

# Computer algebra independent integration tests (Lite version) applied to different Mathematica versions

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# 1 Introduction

This report gives the result of running the computer algebra independent integration problems (Lite version) obtained from from <https://rulebasedintegration.org>.

The following versions of Mathematica were tested.

1. Version 14.1 (August 1, 2024) (on windows 10, 64 bit)
2. Version 14 (January 9, 2024) (on windows 10, 64 bit)
3. Version 13.3 (July 2023) (on windows 10, 64 bit)
4. Version 12.3.1 (on windows 10, 64 bit)
5. Version 12.1 (on windows 10, 64 bit)
6. Version 12 (on windows 10, 64 bit)
7. Version 11.3 (on windows 7, 64 bit)
8. Version 11.2 (on windows 7, 64 bit)
9. Version 10.3 (on windows 7, 64 bit)
10. Version 9 (on windows 7, 64 bit)
11. Version 8 (on windows 7, 64 bit)
12. Version 7 (on windows 7, 64 bit)
13. Version 6.0.1 (on windows 7, 64 bit)
14. Version 5.2 (on windows 7, 64 bit)

The command `AbsoluteTiming[]` was used in Mathematica to obtain the CPU time.

A time limit of 3 minutes is used for all integrals in each CAS. If the integration does not complete within this time limit then the integral is considered to have failed.

The table below gives additional break down of the grading of quality of the antiderivatives generated by each CAS. The grading is given using the letters A,B,C and F with A being the best quality. The grading is accomplished by comparing the antiderivative generated with the optimal antiderivatives included in the test suite. The following table describes the meaning of these grades.

grade	description
A	Integral was solved and antiderivative is optimal in quality and leaf size.
B	Integral was solved and antiderivative is optimal in quality but leaf size is larger than twice the optimal antiderivatives leaf size.
C	Integral was solved and antiderivative is non-optimal in quality. This can be due to one or more of the following reasons <ol style="list-style-type: none"> <li>1. antiderivative contains a hypergeometric function and the optimal antiderivative does not.</li> <li>2. antiderivative contains a special function and the optimal antiderivative does not.</li> <li>3. antiderivative contains the imaginary unit and the optimal antiderivative does not.</li> </ol>
F	Integral was not solved. Either the integral was returned unevaluated within the time limit, or it timed out, or CAS hanged or crashed or an exception was raised.

Based on the above, the following tables summarizes the grading for each test suite for each version

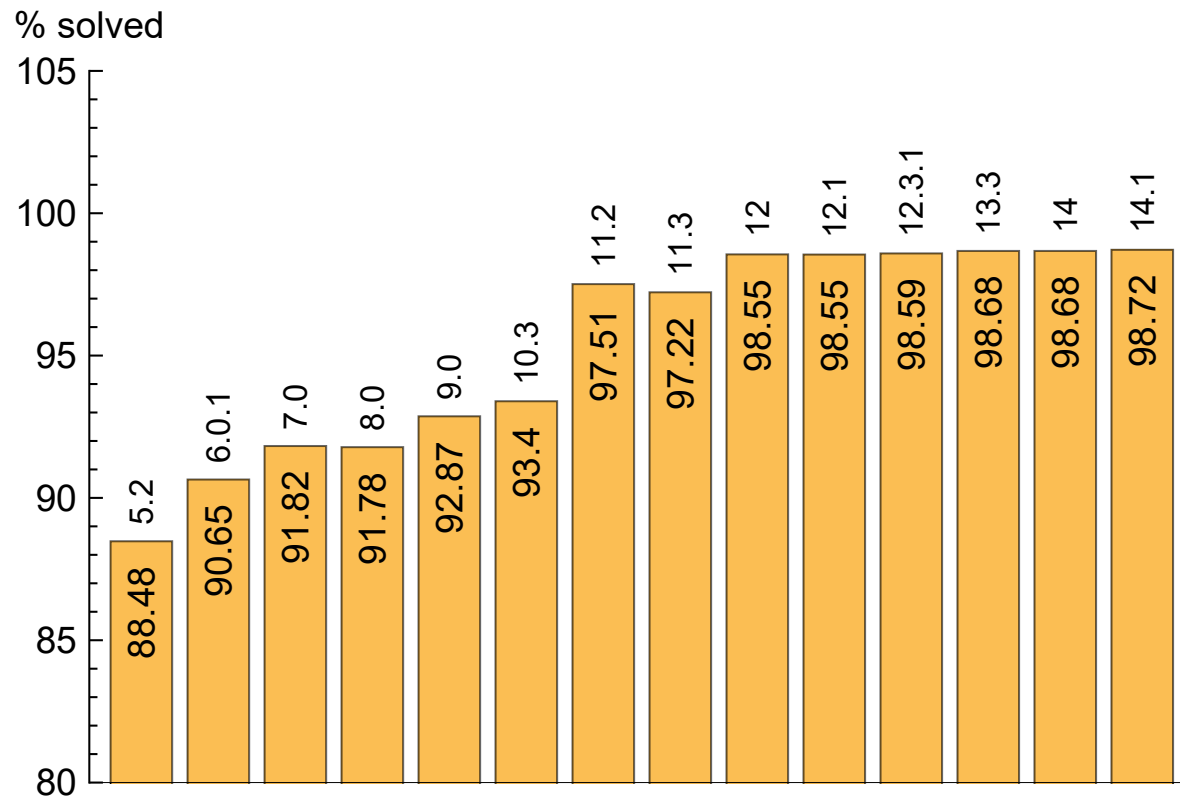
This table shows the percentage and count of solved and non solved integrals for each version. There are a total of [ 14944 ] integrals in the test suite.

Version	percentage solved	number solved	number failed
14.1	98.715	14752	192
14	98.675	14746	198
13.3	98.675	14746	198
12.3.1	98.588	14733	211
12.1	98.548	14727	217
12	98.555	14728	216
11.3	97.223	14529	415
11.2	97.511	14572	372
10.3	93.395	13957	987
9	92.867	13878	1066
8	91.783	13716	1228
7	91.823	13722	1222
6.0.1	90.645	13546	1398
5.2	88.477	13222	1722

Table 1: Solved percentage over versions

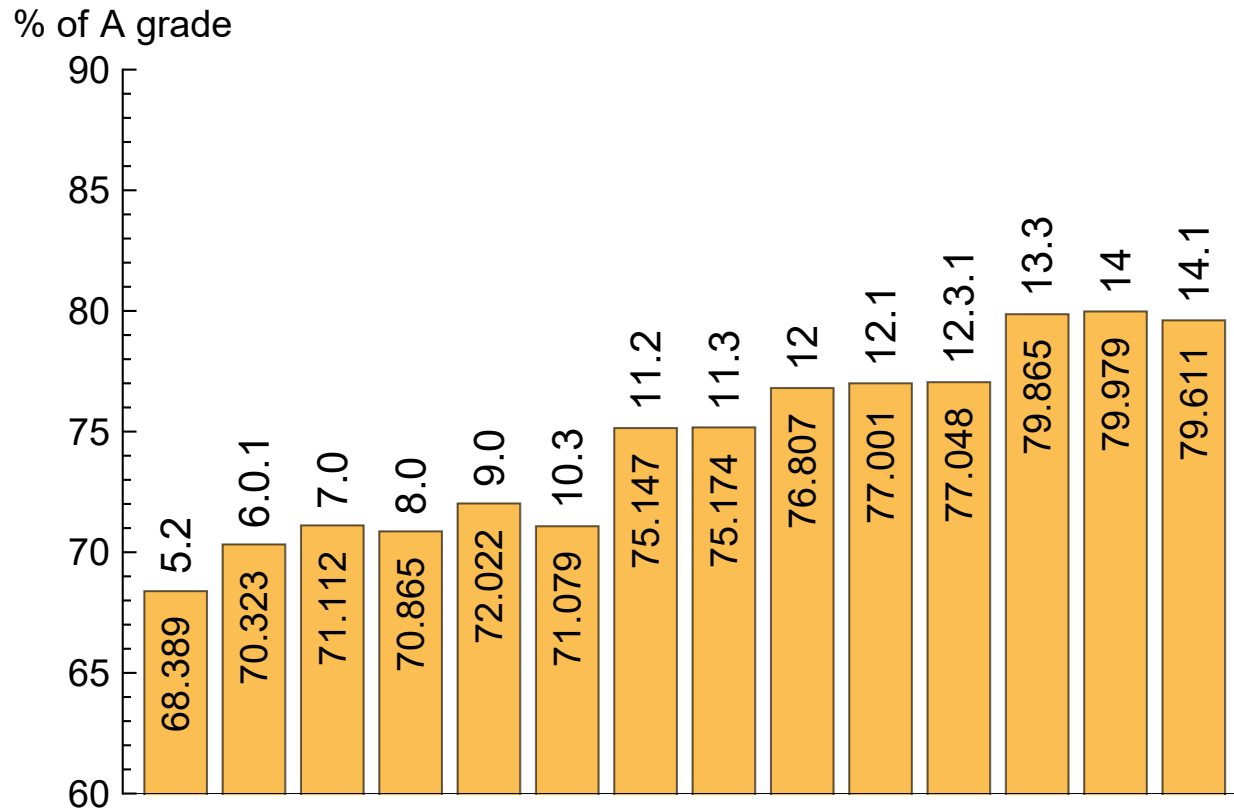
This figure shows the percentage of passed integrals in each version.

## Performance of Mathematica integrate over different versions



This Plot shows the number of A graded result for each version.

### Percentage of A graded result over different versions



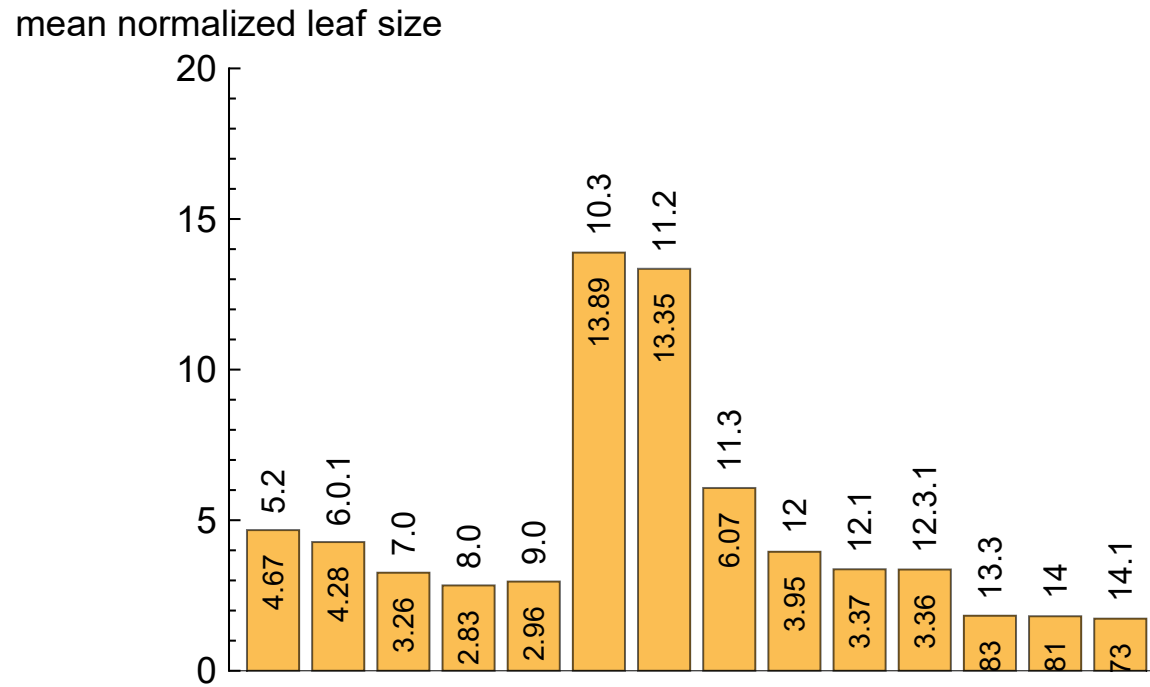
This table shows the grading performance for each version.

Version	%A	%B	%C	%F
14.1	79.611 (11897)	5.567 (832)	13.537 (2023)	1.285 (192)
14	79.979 (11952)	5.179 (774)	13.517 (2020)	1.325 (198)
13.3	79.865 (11935)	5.333 (797)	13.477 (2014)	1.325 (198)
12.3.1	77.048 (11514)	5.822 (870)	15.719 (2349)	1.412 (211)
12.1	77.001 (11507)	5.795 (866)	15.752 (2354)	1.445 (216)
12	76.807 (11478)	5.989 (895)	15.759 (2355)	1.445 (216)
11.3	75.174 (11234)	7.889 (1179)	14.16 (2116)	2.777 (415)
11.2	75.147 (11230)	7.314 (1093)	15.05 (2249)	2.489 (372)
10.3	71.079 (10622)	7.347 (1098)	14.969 (2237)	6.605 (987)
9	72.022 (10763)	7.02 (1049)	13.825 (2066)	7.133 (1066)
8	70.865 (10590)	6.939 (1037)	13.979 (2089)	8.217 (1228)
7	71.112 (10627)	7.515 (1123)	13.196 (1972)	8.177 (1222)
6.0.1	70.323 (10509)	7.194 (1075)	13.129 (1962)	9.355 (1398)
5.2	68.389 (10220)	7.254 (1084)	12.835 (1918)	11.523 (1722)

Table 2: Performance grading summary table over versions

This figure show the normalized mean leaf size for each version. This was normalized to the size of the optimal result.

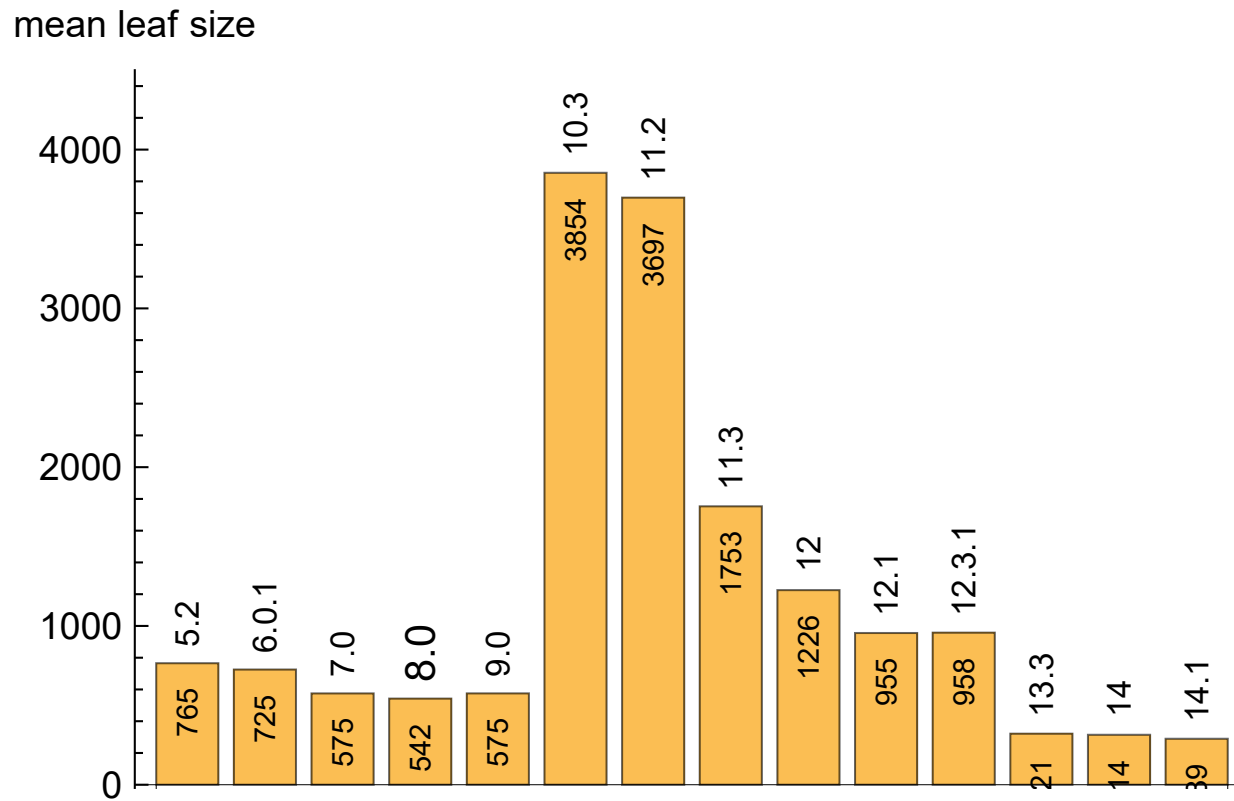
## Mean of normalized leaf size over different versions





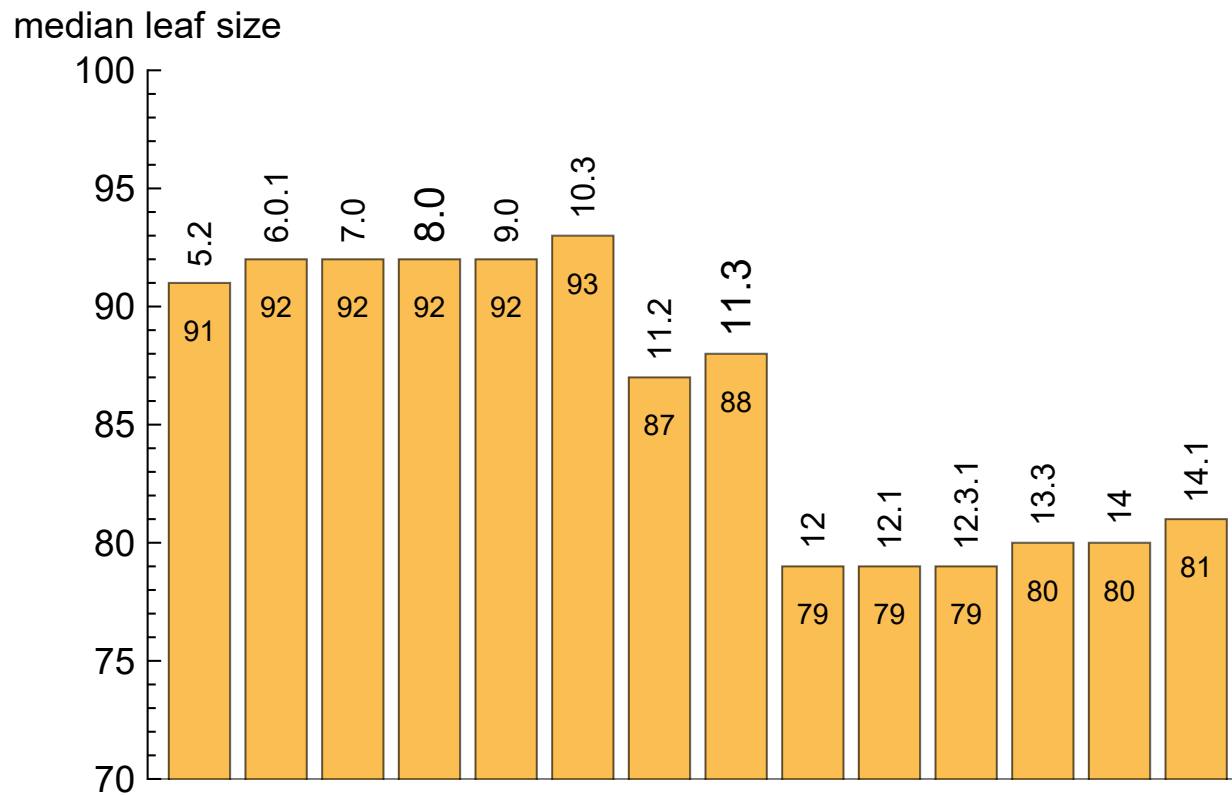
This figure show the mean leaf size for each version.

## Mean leaf size over different versions



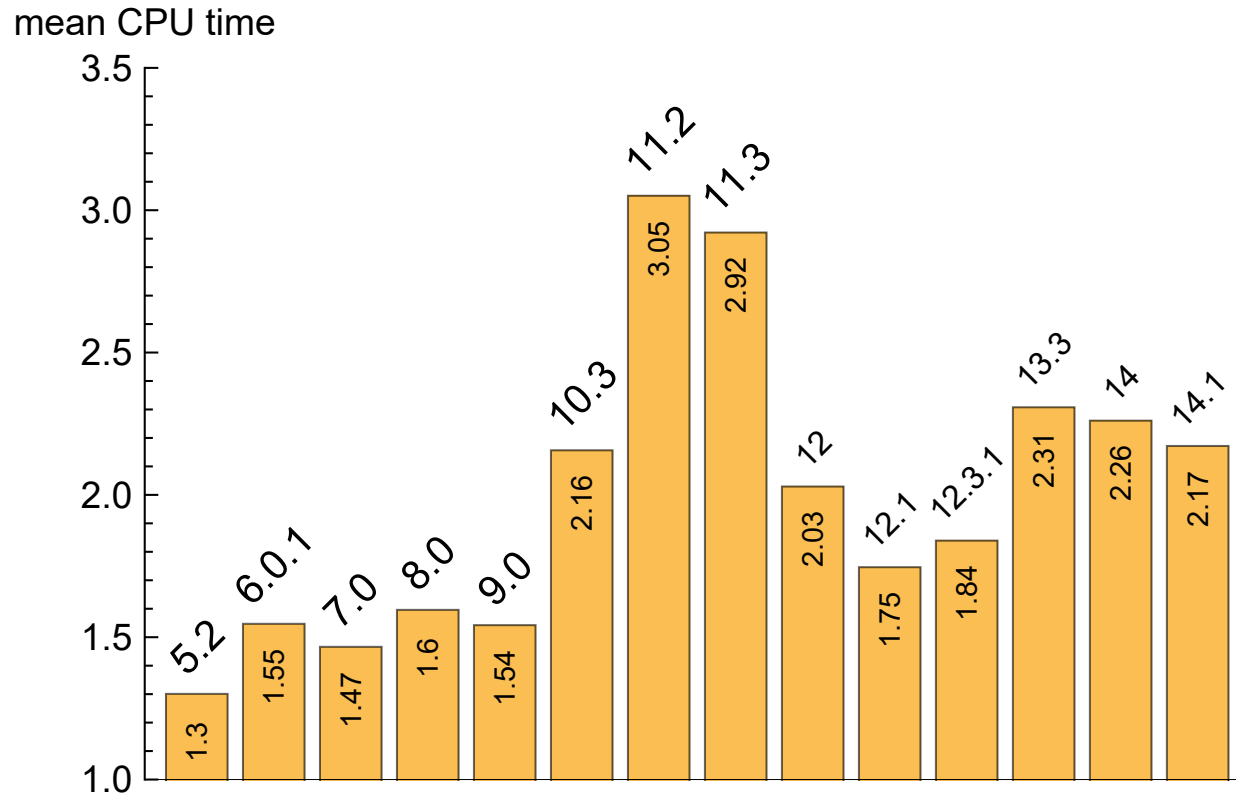
This figure show the median leaf size for each version.

## Median leaf size over different versions



This figure show the mean CPU time (sec) for each version.

### Mean CPU time (sec) over different versions



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## 2 Summary tables for each test case

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### 2.1 Independent\_test\_suites\HebischProblems

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Table 3: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
1	A 0.1 32	A 0. 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.2 32	A 0.1 32	A 0.1 32	A 0.3 32	A 0. 32	A
2	A 0.1 10	A 0. 10	A 0.2 10	A 0.2 10	A 0.1 10	A 0.1 10	A 0.1 10	A 0.2 10	F 0 0	F 0 0	F 0 0	F 0 0	F
3	A 0.3 39	A 0. 39	A 0.4 39	A 0.4 39	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
4	A 0.1 6	A 0. 6	A 0.1 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	F 0 0	F 0 0	F 0 0	F
5	A 0.1 13	A 0. 13	A 0.1 13	A 0.2 13	A 0.2 13	A 0.2 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A
6	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A
7	A 0. 10	A 0. 10	A 0. 10	A 0.1 10	A 0.1 10	A 0.1 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A

## 2.2 Independent\_test\_suites\ApostolProblems

Table 4: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	gr
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	gr
1	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	
2	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	
3	A 0. 26	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	
4	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	
5	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	
6	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	
7	A 0. 16	A 0. 18	A 0. 18	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	
8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0.1 8	A 0. 8	A 0. 8	
9	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	
10	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	
11	A 0. 12	A 0. 12	A 0.1 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0.1 12	A 0. 12	A 0. 12	A 0.1 12	A 0. 12	
12	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	
13	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	
14	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	
15	A 0. 16	A 0. 18	A 0. 18	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	
16	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	
17	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	
18	A 0. 15	A 0. 15	A 0. 15	A 0.1 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	
19	A 0.3 29	A 1.7 32	A 1.7 32	A 0.1 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	
20	A 0.2 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	
21	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	
22	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	
23	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	
24	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	
25	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	
26	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	
27	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	
28	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	
29	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	
30	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	

Table 4 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
32	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
33	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
34	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
35	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
36	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
37	A 0. 11	A 0. 11	A 0. 11	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
38	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
39	A 0.1 61	A 0.1 61	A 0.2 61	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0. 60
40	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
41	C 0. 34	C 9.8 34	C 9.9 34	C 0. 34	C 0. 34	C 0. 34	C 0.3 122	C 0.4 122	C 0.3 122	C 0.3 122	C 0.3 122	C 0.2 122	C 0.2 122
42	A 0. 8	A 0. 8	A 0. 8	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6
43	A 0. 16	A 0. 16	A 0. 16	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
44	C 0. 18	C 0. 18	C 0. 18	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
45	C 0. 22	C 0. 22	C 0. 22	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
46	A 0. 26	A 0.1 26	A 0.1 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
47	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13
48	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11
49	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
50	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43
51	B 0. 140	B 0. 140	B 0. 140	B 0. 140	B 0. 140	B 0. 140	B 0. 140	B 0. 140	B 0. 140	B 0. 140	B 0. 140	B 0. 140	B 0. 140
52	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4
53	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46
54	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10
55	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	B 0.1 49	B 0.3 49	B 0.1 49	B 0.1 49	B 0.1 49	B 0.1 49	B 0.1 49
56	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10
57	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
58	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
59	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28
60	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4
61	A 0. 3	A 0. 3	B 0. 7	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3
62	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
63	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28
64	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3

Table 4 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
65	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
66	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
67	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39
68	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9
69	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
70	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10
71	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
72	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
73	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10
74	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7
75	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11
76	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
77	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
78	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
79	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
80	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28
81	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
82	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
83	B 0. 42	B 0. 64	B 0. 64	B 0.1 64	B 0.1 64	B 0.1 64	B 0.1 64	B 0.1 42	B 0. 42	B 0. 42	B 0. 42	B 0. 42	B 0. 44
84	B 0. 41	B 0. 64	B 0. 64	B 0. 64	B 0. 64	B 0. 64	B 0.1 64	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 43
85	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
86	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 28
87	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
88	B 0. 23	B 0. 23	B 0. 23	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
89	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10
90	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24
91	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
92	A 0. 16	A 0. 16	A 0. 16	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
93	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
94	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
95	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
96	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
97	A 0. 32	A 0. 37	A 0. 37	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20
98	C 0. 37	C 0. 37	C 0. 37	C 0. 37	C 0. 37	C 0. 37	A 0.1 20	A 0.1 20	A 0.1 20	A 0.1 20	A 0.1 20	A 0.1 20	A 0. 20

Table 4 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
99	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0.1 20	A 0.1 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20
100	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
101	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4
102	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24
103	A 0.1 67	A 0.1 67	A 0.1 67	A 0. 83	A 0. 78	A 0. 78	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 78
104	A 0.1 75	A 0.1 75	A 0.1 75	A 0.2 106	A 0.1 106	A 0.2 106	A 0.2 84	A 0.2 84	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 84	A 0.1 84
105	A 0. 55	A 0. 55	A 0. 55	B 0. 72	B 0. 72	B 0. 72	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64
106	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
107	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 21
108	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 25
109	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 25
110	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
111	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0.1 28	A 0. 28	A 0.1 28	A 0. 28	A 0. 28	A 0. 26
112	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0.1 61	A 0. 61	A 0. 61
113	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 24
114	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
115	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9
116	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
117	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 26
118	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 29
119	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24
120	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 14
121	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
122	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11
123	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24
124	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 42
125	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10
126	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 15
127	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 22
128	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
129	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
130	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 25
131	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
132	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 20



Table 4 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	gr
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	gr
133	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	
134	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 29	
135	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	
136	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 23	
137	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	
138	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	
139	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	
140	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	
141	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	
142	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	
143	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	
144	A 0.1 18	A 0.1 18	A 0.1 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	
145	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0.1 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	
146	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	
147	A 0. 22	A 0.1 22	A 0.1 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	
148	A 0. 34	A 0. 41	A 0. 41	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	
149	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	
150	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 50	
151	B 0.1 81	A 0. 42	A 0. 42	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	
152	A 0. 31	A 0. 33	A 0. 33	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	
153	A 0. 33	A 0. 33	A 0. 33	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	
154	B 0. 41	B 0. 39	B 0. 39	B 0. 29	B 0. 29	B 0. 29	B 0. 29	B 0. 29	B 0. 29	B 0. 29	B 0. 29	B 0. 29	
155	A 0.1 76	A 0.1 76	A 0.1 76	A 0. 68	A 0. 68	A 0. 68	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0. 85	
156	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	
157	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	
158	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	
159	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	
160	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	
161	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	
162	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	
163	A 0.1 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	
164	A 0.1 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	
165	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	
166	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	

Table 4 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	gr
167	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	
168	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	
169	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 39	
170	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	
171	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	
172	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0.2 22	A 0.1 22	A 0. 22	
173	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	
174	A 0.1 22	A 0.1 22	A 0.1 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	
175	C 0. 17	C 10. 17	C 10. 17	C 0. 17	C 0. 17	C 0. 17	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0. 88	A 0. 88	

## 2.3 Independent\_test\_suites\BondarenkoProblems

Table 5: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
1	C 0. 77	C 0.1 77	C 0.1 77	C 0.1 77	C 0.1 77	C 0.1 77	C 0.1 77	C 0.1 77	C 0.1 77	C 0.1 77	C 0.1 77	F
2	B 0. 75	A 0.1 49	A 0.1 49	A 0. 24	A 0. 24	A 0. 24	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A
3	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A
4	C 0. 68	C 0. 68	C 0. 68	C 0. 68	C 0. 68	C 0. 68	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A
5	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A
6	C 0. 30	C 0. 30	C 0. 30	C 0. 30	C 0. 30	C 0. 30	A 0. 204	A 0. 204	A 0. 204	A 0. 204	A 0. 204	A
7	A 0.2 310	A 0.2 310	A 0.2 310	A 1. 430	A 0.9 430	A 1. 430	B 1.6 816	B 1.7 816	B 1.6 822	B 1.5 822	B 1.2 822	B
8	A 0.1 326	A 0.1 326	A 0.1 326	B 0.6 654	B 0.5 654	B 0.5 654	B 0.5 654	B 0.5 654	B 0.5 654	B 0.5 654	B 0.4 654	B
9	A 0.9 96	A 0.1 105	A 0.1 105	A 0. 84	A 0. 84	A 0. 84	B 4.4 347	B 4.8 347	B 4.4 347	B 11.3 347	B 4.1 347	B
10	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	B 0.3 147	B 0.4 147	B 0.3 148	B 0.3 148	B 0.3 148	B
11	A 0.5 69	A 0.1 69	A 0.1 69	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 136	A 0.1 136	A 0.1 136	A 0.1 136	A 0.1 136	A
12	A 0.7 52	A 0. 52	A 0. 52	A 0.1 52	A 0.1 52	A 0.1 52	B 0.2 151	B 0.2 151	B 0.2 151	B 0.2 151	B 0.1 151	B
13	C 0.5 217	C 0.2 217	C 0.2 217	A 0.5 357	A 0.4 357	A 0.5 357	B 6.3 1545	B 6.3 2177	B 6.3 2177	B 6.4 2177	B 6.3 2177	B
14	C 0.6 212	C 0.1 212	C 0.1 212	B 6. 2075	B 5.8 2075	B 6.3 2581	B 6.4 2581	B 6.4 2581	B 6.4 2581	B 6.5 2581	B 6.4 2581	B
15	A 10. 74	A 10. 74	A 10. 74	A 0. 74	A 0. 74	A 0. 74	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
16	A 10.1 112	A 10.1 112	A 10.1 112	A 0.1 112	A 0.1 112	A 0.1 112	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
17	A 0.6 77	A 0.1 77	A 0.2 77	A 0. 85	A 0. 85	A 0. 85	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 95	F 0 0	F
18	A 2.3 89	A 0.3 89	A 0.4 89	A 0.2 98	A 0.2 98	A 0.2 98	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
19	B 0.1 65	B 0.1 65	B 0.1 65	B 0.1 112	B 0.1 112	B 0.1 112	B 0.1 112	B 0.1 112	B 0.1 112	B 0.1 112	B 0.1 112	B
20	B 0. 57	B 0.1 57	B 0.1 57	B 0.1 126	B 0.1 126	B 0.1 126	B 0.1 126	B 0.1 126	B 0.1 126	B 0.1 126	B 0.1 126	B
21	A 3.5 213	A 3.9 213	A 4. 213	C 6.3 478	C 6.3 478	C 6.3 478	C 6.5 478	C 6.5 478	C 6.4 478	C 6.4 478	C 6.4 478	C
22	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	C 0.2 72	C
23	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0.1 26	A 0.1 26	A 0.1 26	A 0.1 26	A 0.2 26	B
24	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	B 0.5 444	B 0.4 444	B 0.4 444	B 0.4 444	B 0.3 444	B
25	C 10.8 86	C 10.9 86	C 10.9 86	C 2. 54	C 1.8 54	C 1.9 54	B 2.3 84	B 2.3 84	B 2.1 84	B 2.5 84	B 1.9 84	B
26	C 0.3 920	C 0.4 920	C 0.4 920	C 0.6 910	C 0.5 910	C 0.6 910	F 0 0	C 1. 910	C 0.9 910	F 0 0	F 0 0	F
27	A 0. 102	A 0. 102	A 0. 102	A 0. 102	A 0. 102	A 0. 102	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
28	A 0.1 122	A 0.1 122	A 0.1 122	A 0.1 122	A 0.1 122	A 0.1 122	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
29	A 0.1 389	A 0.2 389	A 0.2 389	A 0.2 347	A 0.2 347	A 0.2 347	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
30	F 0 0	F 0 0	F 0 0	A 0.5 868	A 0.5 868	A 0.6 868	A 0.9 868	A 0.9 868	A 0.8 868	A 0.6 868	F 0 0	F

Table 5 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8						
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade						
31	B	5.5	1280	B	6.9	1280	B	6.9	1280	A	1.5	1076	A	1.5	1076	A	1.6	1076	B	2.9	1283	B	2.8	1283	B	2.9	1283	B	2.8	1283	F	0	0	F			
32	A	0.1	303	A	0.1	303	A	0.1	303	A	0.1	303	A	0.1	303	A	0.1	303	A	0.2	346	A	0.2	346	A	0.2	346	A	0.1	346	F	0	0	F			
33	B	0.2	262	B	0.2	262	B	0.2	262	B	0.3	262	B	0.3	262	B	0.3	262	B	0.4	262	B	0.4	262	B	0.3	262	B	0.3	262	B	0.3	262	B			
34	A	0.	44	A	0.	44	A	0.	44	A	0.1	44	A	0.1	44	A	0.1	44	A	0.1	44	A	0.1	44	A	0.1	44	A	0.1	44	F	0	0	F			
35	A	0.1	131	A	0.1	131	A	0.2	131	A	0.2	131	A	0.2	131	A	0.2	131	A	0.2	131	B	3.4	405	B	2.	402	B	1.8	402	B	1.6	402	F	0	0	F

## 2.4 Independent\_test\_suites\BronsteinProblems

Table 6: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0.
2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0.
3	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0.
4	C 10. 20	C 10. 20	C 10. 20	C 0. 20	C 0. 20	C 0. 20	C 0.1 122	C 0.1 122	C 0.1 122	C 0.1 122	C 0.1 122	C 0.
5	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0.
6	A 5.3 78	A 3.5 78	A 3.5 78	C 2. 1226	C 1.7 1226	C 1.7 1226	C 2.9 1226	C 2.7 1226	C 2.5 1226	C 2.7 1226	C 2. 1226	C 0.9
7	A 0. 13	A 0. 13	A 0. 26	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0.
8	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0.
9	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0.
10	A 0.8 17	A 0.6 17	A 0.6 17	A 0.3 17	A 0.2 17	A 0.2 17	A 0.1 17	A 0.1 17	A 0. 17	A 0. 17	A 0. 17	A 0.
11	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0.
12	A 0.1 13	A 0.2 13	A 0.2 13	A 0.2 13	A 0.2 13	A 0.2 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0.
13	A 0.1 23	A 0.1 23	A 0.1 23	A 0.1 23	A 0.1 23	A 0.1 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0.
14	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0.

## 2.5 Independent\_test\_suites\CharlwoodProblems

Table 7: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52
2	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
3	A 2.2 98	A 0.7 106	A 0.7 106	B 0.7 205	B 0.6 205	B 0.6 205	B 0.8 205	B 0.9 205	B 0.8 205	B 1.8 205	B 0.7 205	B 0.7 205
4	A 0.2 188	A 0.3 188	A 0.3 188	A 0.4 194	A 0.3 194	A 0.4 194	A 0.4 184	A 0.4 184	A 0.4 184	A 0.4 184	A 0.4 184	A 0.6 184
5	C 0.7 159	C 0.8 159	C 0.8 159	C 2.4 159	C 2.1 159	C 2.1 159	C 3.9 159	C 3.7 159	C 3.6 159	C 3.8 159	C 1.3 159	C 1.3 159
6	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 74	C 28.8 7083	C 28.5 7083	C 28.4 6419	C 27.3 6419	C 27.2 7083	C 27.2 7083
7	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	C 11.6 296	C 41.1 37353	C 40.9 37353	C 10.4 296	C 4.2 296	C 4.2 296
8	C 0.2 99	C 0.2 99	C 0.2 99	C 10.4 99	C 10. 99	C 10.1 99	C 31.8 7376	C 31.8 7376	C 31.5 7376	C 31.6 7376	C 36. 3283	C 36. 3283
9	A 0.2 70	A 0.2 70	A 0.2 70	C 4.5 283	C 3.8 285	C 4. 285	C 6.2 285	C 25.5 6968	C 25.3 6968	C 15. 1043	C 5.3 284	C 5.3 284
10	A 0.1 38	A 0.2 38	A 0.2 38	A 0.2 38	A 0.2 38	A 0.2 38	A 0.2 38	A 0.2 38	A 0.2 38	A 0.2 38	A 0.2 38	A 0.2 38
11	A 0. 64	A 0. 64	A 0. 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0. 64	A 0. 64	A 0. 64
12	C 0.1 226	C 0.1 226	C 0.1 226	C 3.9 1822	C 3.4 1822	C 4.8 1822	C 9.1 1822	C 7.7 1822	C 6.4 1822	C 5.9 1822	C 4.9 1822	C 4.9 1822
13	C 2.8 2175	C 3. 2175	C 3. 2175	C 4.5 2180	C 4. 2180	C 6.4 2408	C 6.6 2408	C 6.6 2408	C 6.5 2408	C 6.6 2408	C 5.9 2180	C 5.9 2180
14	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44
15	B 0.1 76	B 0.1 76	B 0.1 76	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64
16	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
17	B 0. 68	B 0.1 89	B 0.1 89	B 0.1 89	B 0.1 89	B 0.1 89	B 0.1 89	B 0.1 68	B 0.1 68	B 0.1 68	B 0.1 68	B 0.1 68
18	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
19	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28
20	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
21	B 0. 85	B 0.1 85	B 0.1 85	B 0.1 85	B 0.1 85	B 0.1 85	B 0.1 85	B 0.1 85	B 0.1 85	B 0.1 85	B 0.1 85	B 0.1 85
22	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.2 88	A 0.2 88	A 0.2 88	A 0.1 88	A 0.1 88	A 0.1 88
23	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58
24	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41
25	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
26	A 0. 119	A 0. 119	A 0. 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 119
27	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 26	A 0. 26	A 0. 26	A 0. 26
28	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
29	A 0. 77	A 0. 77	A 0. 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77
30	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45

Table 7 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33
32	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
33	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
34	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 24	A 0. 24	A 0. 24	A 0. 24
35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0.1 35	A 0.1 35	A 0.1 35	A 0.1 35	A 0.1 35	A 0. 35
36	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40
37	C 0.1 46	C 0.1 46	C 0.1 46	C 0.1 46	C 0.1 46	C 0.1 46	C 0.1 46	C 0.1 46	C 0.1 46	C 0.1 46	C 0.1 46	C 0. 46
38	A 0.5 23	A 0.3 23	A 0.3 23	C 0.1 36	C 0.1 36	C 0.1 36	C 0.1 36	C 1.6 269	C 1.6 283	C 0.1 36	C 0.1 36	C 0.1 36
39	A 0.5 23	A 0.3 23	A 0.3 23	C 0.1 40	C 0.1 40	C 0.1 40	C 0.1 40	C 1.5 266	C 1.5 338	C 0.1 40	C 0. 40	C 0. 40
40	A 0. 39	A 0. 39	A 0. 39	A 0.1 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39
41	B 0.1 87	B 0.1 87	B 0.1 87	B 0.1 87	B 0.1 87	B 0.1 87	B 0.1 87	B 0.1 87	B 0.1 87	B 0.1 87	B 0.1 87	B 0.1 87
42	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.4 43
43	A 0. 55	A 0. 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55
44	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	C 28.1 5825	C 28.2 5825	C 27.9 5825	C 27.5 5825	C 26.9 5825	C 26.9 5825
45	A 2.7 552	A 2.9 552	A 2.9 552	A 2.2 552	A 2.1 552	A 2.2 552	A 2.8 552	A 3. 551	A 2.8 551	A 2.9 551	A 2.1 625	A 2.1 625
46	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58
47	C 0.1 95	C 0.1 95	C 0.1 95	C 0.3 136	C 0.3 136	C 0.4 136	C 0.3 116	C 0.3 116	C 0.2 116	C 0.2 116	C 0.2 116	C 0.2 116
48	A 0.4 31	A 0.1 31	A 0.1 31	A 0.4 39	A 0.4 39	A 0.4 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0. 39	A 0. 39	A 0. 39
49	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
50	A 0.1 106	A 0.1 106	A 0.1 106	A 0.2 106	A 0.2 106	A 0.2 106	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102

## 2.6 Independent\_test\_suites\HearnProblems

Table 8: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	gra
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A
2	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A
3	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A
4	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A
5	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A
6	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A
7	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A
8	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A
9	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A
10	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A
11	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A
12	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A
13	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A
14	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A
15	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A
16	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A
17	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A
18	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A
19	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A
20	C 0. 73	C 0. 73	C 0. 73	C 0.1 73	C 0.1 73	C 0.1 73	C 0.1 73	C 0.1 73	C 0.1 73	C 0.1 73	C 0.1 73	A 0. 63
21	A 0. 18	A 0. 18	A 0. 18	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A
22	A 0.5 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A
23	A 0.3 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A
24	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A
25	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A
26	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A
27	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A
28	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A
29	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A
30	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0.1 35	A 0.1 35	A 0.1 35	A 0.1 35	A 0. 35	A 0. 35







Table 8 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
99	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A
100	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A
101	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A
102	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A
103	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A
104	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A
105	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A
106	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A
107	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A
108	B 0. 21	B 0. 21	B 0. 21	B 0. 21	B 0. 21	B 0. 21	B 0. 21	B 0. 21	B 0. 21	B 0. 21	B 0. 21	B
109	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A
110	A 0. 11	A 0. 11	B 0. 23	A 0. 19	A 0. 19	A 0. 19	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A
111	A 0. 12	A 0. 12	B 0. 38	B 0. 38	B 0. 38	B 0. 38	B 0. 38	B 0. 38	B 0. 38	B 0. 38	B 0. 38	B
112	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	B 0. 68	B 0. 68	B 0. 68	B 0. 68	B 0. 68	B
113	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A
114	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A
115	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A
116	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A
117	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A
118	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A
119	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A
120	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B
121	B 0. 25	B 0. 25	B 0. 25	B 0. 25	B 0. 25	B 0. 25	B 0. 25	B 0. 25	B 0. 25	B 0. 25	B 0. 25	B
122	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0.1 40	A 0.1 40	A 0. 40	A 0. 40	A 0. 40	A
123	A 0. 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A
124	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A
125	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A
126	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.2 47	A 0.2 47	A 0.2 47	A 0.1 47	A 0.1 47	A 0.1 47	A
127	A 0. 14	A 0. 14	A 0. 19	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A
128	A 0.1 101	A 0.1 101	A 0.1 101	A 0.2 101	A 0.1 101	A 0.2 101	A 0.2 101	A 0.2 101	A 0.2 101	A 0.2 101	A 0.2 101	A
129	A 0.2 133	A 0.2 133	A 0.2 133	A 0.4 133	A 0.3 133	A 0.3 133	A 0.5 133	A 0.4 133	A 0.4 133	A 0.4 133	A 0.4 133	A
130	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A
131	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A
132	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A

Table 8 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
133	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6
134	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22
135	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20
136	A	0.	50	A	0.	50	A	0.	50	A	0.1	50	A	0.	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50
137	A	0.	49	A	0.	49	A	0.	49	A	0.1	49	A	0.	49	A	0.	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.	49	A	0.	49
138	A	0.1	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.1	94
139	A	0.1	93	A	0.1	93	A	0.1	93	A	0.1	93	A	0.1	93	A	0.1	93	A	0.1	93	A	0.1	93	A	0.1	93	A	0.1	93	A	0.1	93
140	A	0.1	169	A	0.1	169	A	0.1	169	A	0.2	169	A	0.1	169	A	0.2	169	A	0.3	169	A	0.2	169	A	0.2	169	A	0.2	169	A	0.2	169
141	A	0.1	168	A	0.1	168	A	0.1	168	A	0.1	168	A	0.1	168	A	0.1	168	A	0.2	168	A	0.2	168	A	0.2	168	A	0.2	168	A	0.2	168
142	A	0.	25	A	0.1	25	A	0.1	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25
143	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30
144	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55
145	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
146	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12
147	A	0.3	76	A	0.3	76	A	0.3	76	A	0.3	76	A	0.2	76	A	0.3	76	A	0.4	76	A	0.4	76	A	0.3	76	A	0.3	76	A	0.3	76
148	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
149	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
150	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3
151	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8
152	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9
153	A	0.	4	A	0.	4	A	0.	4	A	0.	4	A	0.	4	A	0.	4	A	0.	4	A	0.	4	A	0.	4	A	0.	4	A	0.	4
154	A	0.	38	A	0.	38	A	0.	38	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24
155	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12
156	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13
157	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31
158	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14
159	A	0.1	102	A	0.1	102	A	0.1	102	A	0.	102	A	0.	102	A	0.	102	A	0.	102	A	0.	102	A	0.	102	A	0.	102	A	0.	102
160	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18
161	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14
162	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
163	A	1.5	43	A	0.2	43	A	0.2	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.	52	A	0.	52	A	0.	52
164	A	0.2	16	A	0.1	16	A	0.1	16	A	0.1	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16
165	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13
166	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11

Table 8 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
167	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9
168	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16
169	A	0.1	25	A	0.1	25	A	0.1	25	A	0.2	25	A	0.2	25	A	0.2	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25
170	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
171	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11
172	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
173	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
174	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16
175	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43
176	A	0.2	95	A	0.2	95	A	0.2	95	A	0.3	118	A	0.3	118	A	0.3	118	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110
177	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16
178	A	0.	34	A	0.	34	A	0.	34	A	0.	24	A	0.	24	A	0.	24	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34
179	A	0.	46	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46
180	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35
181	A	0.	39	A	0.	39	A	0.1	39	A	0.	47	A	0.	47	A	0.	47	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39
182	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14
183	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23
184	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35
185	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23
186	A	0.	41	A	0.	41	A	0.	41	A	0.1	47	A	0.1	47	A	0.1	47	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41
187	A	0.	26	A	0.	26	A	0.	26	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24
188	A	0.3	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38
189	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48
190	A	0.	12	B	0.	38	B	0.	38	B	0.	38	B	0.	38	B	0.	38	B	0.	38	A	0.	12	A	0.	12	A	0.	12	A	0.	12
191	B	0.1	88	A	0.	39	A	0.	39	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31
192	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22
193	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13
194	B	0.1	20	A	0.1	8	A	0.1	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8
195	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	23	A	0.	23
196	A	0.	26	A	0.	26	A	0.	26	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18
197	A	0.3	29	A	0.1	29	A	0.1	29	A	0.	28	A	0.	28	A	0.	28	A	0.	28	C	0.	37	C	0.	37	C	0.	37	A	0.	40
198	A	0.1	17	A	0.1	17	A	0.1	17	A	0.	16	A	0.	16	A	0.	16	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
199	B	0.	12	B	0.	16	B	0.	16	A	0.	2	A	0.	2	A	0.	2	A	0.	2	A	0.	2	A	0.	2	A	0.	2	A	0.	2
200	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30



Table 8 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
235	B	0.	40	B	0.	40	B	0.	40	B	0.	40	B	0.	40	B	0.	40	B	0.	40	B	0.	40	B	0.	40	B	0.	40	B	0.	40
236	B	0.	42	B	0.	42	B	0.	42	B	0.	42	B	0.	42	B	0.	42	B	0.	42	B	0.	42	B	0.	42	B	0.	42	B	0.	42
237	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16
238	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18
239	B	0.	63	A	0.1	17	A	0.1	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
240	A	0.	22	A	0.	22	A	0.	22	A	0.	24	A	0.	24	A	0.	24	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22
241	A	0.1	18	A	0.1	18	A	0.1	18	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12
242	A	0.	32	A	0.	33	A	0.	33	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32
243	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33
244	A	0.	3	A	0.	3	B	0.	7	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3
245	C	0.	22	C	0.	22	C	0.	22	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18
246	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3
247	A	0.	3	A	0.	3	B	0.	7	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3
248	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8
249	A	1.	29	A	1.	29	A	1.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29
250	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
251	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36
252	A	0.1	67	A	0.1	67	A	0.1	67	A	0.2	67	A	0.2	67	A	0.2	67	A	0.2	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67
253	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18
254	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9
255	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40
256	B	0.	23	B	0.	23	B	0.	23	B	0.	23	B	0.	23	B	0.	23	B	0.	23	B	0.	23	B	0.	23	B	0.	23	B	0.	23
257	A	0.2	194	A	0.2	194	A	0.2	194	A	0.3	194	A	0.2	194	A	0.3	194	A	0.3	277	A	0.3	277	A	0.3	277	A	0.2	277	A	0.2	277
258	A	0.	24	A	0.	24	A	0.	24	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30
259	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.	71
260	B	0.	12	B	0.	16	B	0.	16	A	0.	2	A	0.	2	A	0.	2	A	0.	2	A	0.	2	A	0.	2	A	0.	2	A	0.	2
261	A	0.	31	A	0.	33	A	0.	33	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27
262	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10
263	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16
264	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29
265	A	0.1	29	A	0.1	29	A	0.1	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29
266	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14
267	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18
268	A	0.	19	A	0.	20	A	0.	20	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10

Table 8 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
269	A 0. 12	B 0. 16	B 0. 16	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6
270	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
271	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51
272	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49
273	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
274	A 42.3 28	A 37.2 28	A 37.2 28	A 11.2 28	A 10.4 28	A 12.6 28	A 10.2 28	A 10.7 28	A 9.7 28	A 9. 28	A 7.9 28	A 7.9 28
275	A 0.1 136	A 0.1 136	A 0.1 136	A 0.3 136	A 0.2 136	A 0.2 136	A 0.3 136	A 0.2 136	A 0.2 136	A 0.2 136	A 0.2 136	A 0.2 136
276	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
277	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24
278	C 16.1 5141	C 16.2 5141	C 16.1 5141	C 6.5 5137	C 6.4 5137	C 6.5 5137	C 6.1 5137	C 6.1 5137	C 6.1 5137	C 6.1 5137	C 6.1 5137	C 6.1 5137
279	C 3.3 630	C 3.4 630	C 3.4 630	C 1.7 630	C 1.5 630	C 1.7 630	C 2.4 630	C 2.7 630	C 2.4 630	C 2.2 630	C 1.9 630	C 1.9 630
280	A 1.3 31	A 0.6 31	A 0.6 31	B 1.4 97	B 1.2 97	B 1.6 97	B 0.1 97	B 0.1 97	B 0.1 97	B 0.1 97	B 0.1 97	B 0.1 97
281	C 10.1 3168	C 10.5 3168	C 10.4 3168	B 6.1 3168	C 6. 3168	C 6.1 3168	C 6.1 3168	B 6.1 3168	C 6.1 3168	C 6.1 3168	C 6.1 3168	C 6.1 3168
282	A 0.1 181	A 0.1 181	A 0.1 181	A 0.2 181	A 0.1 181	A 0.2 181	A 0.3 181	A 0.3 181	A 0.2 191	A 0.1 191	A 0.1 191	A 0.1 191
283	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4
284	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71



## 2.7 Independent\_test\_suites\JeffreyProblems

Table 9: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A
2	B 0.8 46	B 0.8 46	B 0.9 46	B 0.1 46	B 0.1 46	B 0.1 46	B 0.1 46	B 0. 46	B 0. 46	B 0. 46	B 0. 46	B 0. 46	B
3	A 1.4 19	A 1.6 19	A 1.6 19	A 0.1 19	A 0.1 19	A 0.1 19	A 0.1 19	A 0.1 19	A 0.1 19	A 0. 19	A 0. 19	A 0. 21	B
4	A 0.1 19	A 0.1 19	A 0.1 19	A 0.2 19	A 0.2 19	A 0.2 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 23	A
5	A 3. 61	A 3.3 61	A 3.2 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A
6	B 0.3 63	B 0.4 63	B 0.4 63	B 0.1 63	B 0.1 63	B 0.1 63	B 0.1 63	B 0.1 63	B 0.1 63	B 0.1 63	B 0.1 63	B 0.1 63	A
7	B 0. 79	B 0. 79	B 0. 79	B 0. 79	B 0. 79	B 0. 79	B 0. 79	B 0. 79	B 0. 79	B 0. 79	B 0. 79	B 0. 79	B
8	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A
9	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A

## 2.8 Independent\_test\_suites\MosesProblems

Table 10: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	gr
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	gr
1	C 0. 22	C 0. 22	C 0. 22	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	
2	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	
3	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	
4	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	
5	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	
6	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	
7	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	
8	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	
9	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	
10	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	
11	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	
12	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	
13	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	
14	A 0.1 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	
15	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	
16	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	
17	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	
18	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	
19	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 8	
20	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	
21	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	
22	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	
23	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	
24	A 0. 16	A 0. 18	A 0. 18	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	
25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 23	
26	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	
27	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	
28	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	
29	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	
30	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	

Table 10 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	B 0.1 260	B 0. 260	B 0. 260	B 0.1 260	B 0.1 260	B 0.1 260	B 0.2 260	B 0.2 260	B 0.2 260	B 0.2 260	B 0. 260	B 0. 260	gr
32	A 0.2 142	A 0.2 142	A 0.2 142	A 0.3 142	A 0.3 142	A 0.3 142	A 0.5 142	A 0.5 142	A 0.4 142	A 0.5 142	A 0.4 142	A 0.3 142	
33	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	
34	A 0. 16	A 0. 18	A 0. 18	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	
35	A 0. 32	A 0. 33	A 0. 33	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	
36	A 0.1 75	A 0.1 75	A 0.1 75	A 0. 71	A 0. 71	A 0. 71	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0. 66	
37	A 0. 38	A 0.1 44	A 0.1 44	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	
38	A 0.1 117	A 0.1 52	A 0.1 52	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	
39	A 0. 38	A 0. 44	A 0. 44	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	
40	A 0.1 72	A 0.7 78	A 0.7 78	C 0. 134	C 0. 134	C 0. 134	C 0. 134	C 0. 134	C 0. 134	C 0. 134	C 0. 134	C 0. 134	C 0. 144
41	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	
42	B 0.1 99	B 0.1 99	B 0.1 99	B 0.1 99	B 0.1 99	B 0.1 99	B 0.1 99	B 0.1 99	B 0.1 99	B 0.1 99	B 0.1 99	B 3.1 99	B 2.9 99
43	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	
44	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	
45	A 0.1 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	
46	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	
47	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	
48	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	
49	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	
50	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 73
51	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	
52	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	
53	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	
54	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	
55	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	
56	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	
57	A 0. 2	A 0. 2	A 0. 2	F 0 0	F 0 0	F 0 0	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	
58	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	
59	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	
60	A 0.1 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	
61	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	
62	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	
63	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	
64	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	

Table 10 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
65	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11
66	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3
67	A 0.1 3	A 0.1 3	A 0.1 3	A 0.1 3	A 0.1 3	A 0.1 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3
68	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
69	A 0.1 73	A 0.1 73	A 0.1 73	C 0.1 127	C 0.1 127	C 0.1 127	C 0.1 127	C 0.1 127	C 0.1 127	C 0.1 127	C 0.1 127	C 0.1 127	C 0.1 137
70	B 0.2 35	B 0.2 35	B 0.2 35	B 0.1 35	B 0.1 35	B 0.1 35	B 0.1 35	B 0.1 35	B 0.1 35	B 0.1 35	B 0.1 35	B 0.1 35	B 0.1 35
71	B 0. 35	B 0. 35	B 0. 35	B 0. 35	B 0. 35	B 0. 35	B 0. 35	B 0. 35	B 0. 35	B 0. 35	B 0. 35	B 0. 35	B 0. 35
72	B 0. 35	B 0. 35	B 0. 35	B 0. 35	B 0. 35	B 0. 35	B 0. 35	B 0. 35	B 0. 35	B 0. 35	B 0. 35	B 0. 35	B 0. 35
73	A 0. 38	A 0. 44	A 0. 44	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
74	A 0. 16	A 0. 16	A 0. 16	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
75	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13
76	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7
77	A 0.3 19	A 0.2 19	A 0.2 19	A 0.1 20	A 0.1 20	A 0.1 20	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
78	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9
79	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
80	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
81	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
82	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
83	A 0. 38	A 0. 44	A 0. 44	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
84	A 0. 29	B 0. 35	B 0. 35	A 0. 32	A 0. 32	A 0. 32	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
85	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
86	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2
87	A 0.4 73	A 0.4 73	A 0.5 73	A 0.2 73	A 0.2 73	A 0.2 73	A 0.3 73	A 0.2 73	A 0.2 73	A 0.2 73	A 0.2 73	A 0.2 73	A 0.2 73
88	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
89	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
90	A 0. 31	A 0. 31	A 0. 31	A 0. 25	A 0. 25	A 0. 25	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
91	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
92	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 8
93	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
94	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
95	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
96	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
97	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
98	B 1. 133	A 0. 47	A 0. 47	A 0. 27	A 0. 27	A 0. 27	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 47

Table 10 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
99	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20
100	A 0. 38	A 0. 44	A 0. 44	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
101	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20
102	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33
103	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
104	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
105	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
106	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32
107	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
108	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
109	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
110	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24
111	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
112	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
113	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28

## 2.9 Independent\_test\_suites\StewartProblems

Table 11: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11
2	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3
3	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2
4	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
5	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4
6	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2
7	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2
8	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4
9	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2
10	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4
11	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2
12	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2
13	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5
14	A 0. 3	A 0. 3	B 0. 7	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3
15	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
16	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
17	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
18	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
19	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
20	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
21	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7
22	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
23	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
24	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
26	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
27	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
28	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
29	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
30	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17



Table 11 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
65	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
66	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
67	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20
68	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
69	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
70	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
71	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
72	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
73	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
74	A 0. 34	A 0. 34	A 0. 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
75	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
76	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
77	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
78	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
79	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
80	A 0. 7	A 0. 7	A 0. 7	B 0. 36	B 0. 36	B 0. 36	B 0. 36	B 0. 36	B 0. 36	B 0. 36	B 0. 36	B 0. 36	B 0. 36
81	B 0. 25	B 0. 25	B 0. 25	B 0. 25	B 0. 25	B 0. 25	B 0. 25	B 0. 25	B 0. 25	B 0. 25	B 0. 25	B 0. 25	B 0. 25
82	A 0. 8	A 0. 8	A 0. 8	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6
83	A 0. 16	A 0. 16	A 0. 16	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
84	A 0. 11	A 0. 11	A 0. 11	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
85	A 0. 19	A 0. 19	A 0. 19	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
86	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
87	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
88	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
89	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
90	A 0. 20	A 0. 20	A 0. 22	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20
91	A 0. 24	A 0. 24	A 0. 24	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
92	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
93	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
94	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
95	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
96	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
97	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	B 0.1 42	B 0.1 42	B 0.1 42	B 0.1 42	B 0.1 42	B 0.1 42	B 0.1 42
98	C 0. 18	C 0. 18	C 0. 18	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8



Table 11 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
99	A 0. 14	A 0. 14	A 0. 19	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
100	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0. 37
101	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
102	A 0. 5	A 0. 5	B 0. 17	B 0. 17	B 0. 17	B 0. 17	B 0. 17	B 0. 17	B 0. 17	B 0. 17	B 0. 17	B 0. 17	B 0. 21
103	B 0. 47	B 0. 47	B 0. 47	B 0. 47	B 0. 47	B 0. 47	B 0. 47	B 0. 47	B 0. 47	B 0. 47	B 0. 47	B 0. 47	B 0. 47
104	B 0. 19	B 0. 19	B 0. 19	B 0. 19	B 0. 19	B 0. 19	B 0. 19	B 0. 19	B 0. 19	B 0. 19	B 0. 19	B 0. 19	B 0. 23
105	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
106	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
107	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
108	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
109	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
110	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
111	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
112	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
113	A 0. 15	A 0. 15	A 0. 30	B 0. 61	B 0. 61	B 0. 61	B 0. 61	B 0. 61	B 0. 61	B 0. 61	B 0. 61	B 0. 61	B 0. 65
114	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
115	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
116	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
117	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
118	A 0. 33	A 0. 37	A 0. 37	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
119	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
120	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9
121	A 0. 16	B 0. 46	B 0. 46	B 0. 46	B 0. 46	B 0. 46	B 0. 46	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 18
122	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
123	A 0. 40	A 0.1 40	A 0.1 40	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
124	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
125	A 0. 22	A 0. 27	A 0. 27	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
126	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13
127	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
128	A 0. 36	A 0. 41	A 0. 41	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
129	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
130	A 0. 12	B 0. 16	B 0. 16	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6
131	A 0. 28	A 0. 33	A 0. 33	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
132	A 0. 35	A 0. 35	A 0. 35	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33

Table 11 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
133	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
134	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28
135	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
136	A 0. 34	A 0.1 34	A 0.1 34	A 0. 39	A 0. 39	A 0. 39	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34
137	A 0. 35	A 0. 43	A 0. 43	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
138	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 36
139	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13
140	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
141	A 0. 42	A 0.1 46	A 0.1 46	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33
142	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13
143	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
144	B 0.9 195	A 0. 47	A 0. 47	A 0. 32	A 0. 32	A 0. 32	A 0. 45	A 0. 45	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 61
145	B 0. 20	B 0. 20	B 0. 20	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
146	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 26
147	A 0.3 57	A 0. 55	A 0. 55	A 0.1 47	A 0.1 47	A 0.1 47	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 55
148	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
149	A 0.1 43	A 0.1 43	A 0.1 43	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 33
150	A 0.1 43	A 0.1 45	A 0.1 45	A 0. 32	A 0. 32	A 0. 32	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33
151	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
152	A 0. 14	B 0. 42	B 0. 42	B 0. 42	B 0. 42	B 0. 42	B 0. 42	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 16
153	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 17
154	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
155	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 39
156	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 27
157	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
158	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38
159	A 0. 93	A 0. 93	A 0. 93	A 0.1 93	A 0. 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0. 89
160	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33
161	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
162	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 21
163	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 25
164	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32
165	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47
166	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 19



Table 11 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
201	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28
202	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28
203	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 39
204	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42
205	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
206	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 24
207	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
208	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
209	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39
210	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10
211	A 0.1 17	A 0.1 17	A 0.1 17	B 0.1 26	B 0.1 26	B 0.1 26	B 0.1 26	B 0.1 26	B 0.1 26	B 0. 26	B 0. 26	B 0. 26	B 0. 24
212	B 0.1 82	B 0.1 82	B 0.1 82	B 0.2 82	B 0.2 82	B 0.2 82	B 0.2 82	B 0.2 82	B 0.2 82	B 0.2 82	B 0.2 82	B 0.2 82	B 0.2 82
213	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
214	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 15
215	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
216	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44
217	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57
218	A 0. 67	A 0. 67	A 0. 67	A 0.1 67	A 0. 67	A 0. 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67
219	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 38
220	C 0. 126	C 0. 126	C 0. 126	C 0. 22	C 0. 22	C 0. 22	A 0.2 180	A 0.2 180	A 0.2 180	A 0.2 180	A 0.2 180	A 0.2 180	A 0.1 178
221	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 45
222	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
223	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28
224	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
225	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	B 0. 25	B 0. 25	B 0. 25	B 0. 25	B 0. 25	B 0. 25	B 0. 27
226	A 0. 25	A 0. 25	A 0. 25	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 12
227	A 0. 29	A 0. 29	A 0. 29	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 33
228	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
229	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
230	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
231	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
232	A 0. 19	A 0. 19	A 0. 19	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20
233	A 0. 28	A 0. 28	A 0. 28	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 28
234	A 0. 22	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20

Table 11 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
235	C 0. 127	C 0. 127	C 0. 127	C 0. 29	C 0. 29	C 0. 29	A 0.2 183	A 0.2 183	A 0.2 183	A 0.1 183	A 0.1 183	A 0.1 181	A 0.1 181
236	A 0. 62	A 0. 62	A 0. 62	C 0. 24	C 0. 24	C 0. 24	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62
237	A 0. 130	A 0. 117	A 0. 117	A 0. 130	A 0. 130	A 0. 130	A 0. 130	A 0. 130	A 0. 130	A 0. 130	A 0. 130	A 0. 130	A 0. 130
238	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40
239	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20
240	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
241	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
242	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28
243	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
244	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 24
245	B 0. 24	B 0. 24	B 0. 24	B 0. 24	B 0. 24	B 0. 24	B 0. 24	B 0. 24	B 0. 24	B 0. 24	B 0. 24	B 0. 24	B 0. 28
246	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 47
247	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35
248	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39
249	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	B 0. 54	B 0. 54	B 0. 54	B 0. 54	B 0. 54	B 0. 54	B 0. 58
250	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38
251	A 0. 15	A 0. 15	A 0. 15	A 0.1 15	A 0. 15	A 0. 15	A 0.1 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
252	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10
253	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
254	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
255	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	B 0. 42	B 0.1 42	B 0. 42	B 0.1 42	B 0. 42	B 0. 42
256	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
257	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
258	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 44
259	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
260	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
261	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5
262	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
263	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
264	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13
265	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
266	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24
267	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
268	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16

Table 11 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
269	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 39	A 0. 39
270	B 0. 56	B 0. 56	B 0. 56	A 0. 22	A 0. 22	A 0. 22	B 0. 60	B 0. 60	B 0. 60	B 0. 60	B 0. 60	B 0. 60	B 0. 60
271	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
272	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
273	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28
274	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 36
275	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 17
276	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
277	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20
278	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3
279	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
280	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9
281	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
282	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
283	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
284	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
285	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39
286	A 0.1 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
287	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
288	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 26
289	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
290	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
291	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 21
292	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
293	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
294	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
295	A 0. 23	A 0. 23	A 0. 23	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
296	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
297	A 0. 9	A 0. 9	B 0. 23	B 0. 20	B 0. 20	B 0. 20	B 0. 20	B 0. 20	B 0. 20	B 0. 20	B 0. 20	B 0. 20	B 0. 24
298	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 21
299	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 41
300	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
301	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9
302	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20

Table 11 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	gr
303	A 0. 13	A 0. 13	A 0. 13	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	
304	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 25	
305	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 47	
306	A 0. 25	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	
307	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	
308	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	
309	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 15	
310	A 0.1 29	A 0.1 29	A 0.1 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	
311	A 1.9 5	A 2.7 5	A 2.7 5	A 2.7 5	A 2.5 5	A 2.7 5	A 2.1 5	A 2.1 5	A 1.9 5	A 1.8 5	A 1.5 5	A 1.2 5	
312	B 0. 14	B 0. 20	B 0. 20	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	
313	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	
314	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	B 0. 53	B 0. 53	B 0. 53	B 0. 53	B 0. 53	B 0. 53	
315	A 0. 30	A 0. 30	A 0. 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0. 30	A 0. 30	
316	C 0. 27	C 0. 27	C 0. 27	C 0. 27	C 0. 27	C 0. 27	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	
317	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	
318	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	
319	A 0. 42	A 0. 42	A 0. 42	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	
320	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	
321	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	
322	A 0. 64	A 0.1 65	A 0.1 65	A 0. 62	A 0. 62	A 0. 62	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	
323	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	
324	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	
325	A 0.1 45	A 0.1 45	A 0.1 45	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	
326	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	
327	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	
328	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0. 37	
329	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	
330	B 0. 78	A 0.1 21	A 0.1 21	A 0. 21	A 0. 21	A 0. 21	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	
331	A 0. 18	A 0. 18	A 0. 18	A 0. 16	A 0. 16	A 0. 16	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	
332	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	
333	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	
334	A 0. 12	A 0. 12	A 0. 12	C 0. 19	C 0. 19	C 0. 19	B 0. 32	B 0. 32	B 0. 32	B 0. 32	B 0. 32	B 0. 30	
335	C 0. 23	C 0. 23	C 0. 23	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	
336	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	

Table 11 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
337	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	C 0.1 26	C 0.1 26	C 0.1 26	C 0.1 26	C 0.1 26	C 0.1 26	C 0.1 26
338	A 0. 36	A 0. 46	A 0. 46	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
339	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20
340	A 0. 47	A 0.1 47	A 0.1 47	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38
341	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11
342	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
343	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
344	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41
345	A 0. 34	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 37
346	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 34
347	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
348	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
349	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24
350	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32
351	A 0. 7	A 0. 7	A 0. 5	A 0. 5	A 0. 5	A 0. 5	B 0. 11	B 0. 11	B 0. 11	B 0. 11	B 0. 11	B 0. 11	B 0. 11
352	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
353	A 0.1 45	A 0.1 45	A 0.1 45	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33
354	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 32	A 0. 32	A 0. 32	A 0. 32
355	A 0. 26	A 0. 26	A 0. 26	B 0.1 58	B 0.1 58	B 0.1 58	B 0.2 58	B 0.2 58	B 0.2 58	B 0.2 58	B 0.2 58	B 0.1 58	B 0.1 58
356	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
357	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
358	A 0. 24	A 0. 24	A 0. 24	A 0. 21	A 0. 21	A 0. 21	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 20
359	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 55	A 0.1 51	A 0.1 51	A 0.1 51
360	A 0.3 48	A 0. 46	A 0. 46	A 0. 40	A 0. 40	A 0. 40	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 46
361	A 0. 19	A 0. 19	A 0. 19	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
362	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
363	A 0. 18	A 0.2 18	A 0.2 18	A 0. 18	A 0. 18	A 0. 18	B 0. 42	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 20
364	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
365	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
366	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
367	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
368	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11
369	A 0. 41	A 0.1 50	A 0.1 50	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35
370	B 0. 36	B 0. 36	B 0. 36	B 0. 36	B 0. 36	B 0. 36	B 0. 36	B 0. 36	B 0. 36	B 0. 36	B 0. 36	B 0. 36	B 0. 36



Table 11 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	gr
371	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	
372	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	
373	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	
374	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	
375	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	
376	A 0. 25	A 0. 30	A 0. 30	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	

## 2.10 Independent\_test\_suites\TimofeevProblems

Table 12: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0.
2	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0.
3	A 0. 13	A 0. 13	A 0. 13	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0.
4	A 0. 11	A 0. 11	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0.
5	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	B 0. 55	A 0. 13	A 0. 13	A 0. 13	A 0.
6	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0.
7	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0.
8	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0.
9	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0.
10	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0.
11	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0.
12	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0.
13	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0.
14	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0.
15	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0.
16	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0.
17	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0.
18	A 0.1 19	A 0.1 19	A 0.1 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0.
19	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0.
20	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0.
21	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0.
22	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0.
23	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0.
24	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0.
25	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0.
26	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0.
27	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0.
28	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0.
29	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0.
30	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0.

Table 12 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	A	0.	21	A	0.1	21	A	0.1	21	A	0.1	21	A	0.1	21	A	0.1	21	A	0.1	21	A	0.1	21	A	0.1	21	A	0.1	21	A	0.1	21
32	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14
33	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14
34	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8
35	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	B	0.	57	B	0.	57	B	0.	57	B	0.	57	B	0.	57
36	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6
37	C	0.	28	C	0.	28	C	0.	28	C	0.	28	C	0.	28	C	0.	28	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14
38	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16
39	C	0.	29	C	0.	29	C	0.	29	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10
40	A	0.	14	A	0.	14	A	0.	14	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12
41	B	0.	25	B	0.	25	B	0.	25	B	0.	25	B	0.	25	B	1.5	25	B	0.	25	B	0.	25	B	0.	25	B	0.	25	B	0.	25
42	A	0.1	31	A	0.1	31	A	0.1	31	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21
43	A	0.	33	A	0.	33	A	0.	33	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25
44	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21
45	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14
46	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47
47	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33
48	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29
49	A	0.	22	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20
50	A	0.1	22	C	0.1	28	C	0.1	28	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	33	A	0.	33	A	0.	33	A	0.	33
51	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	C	0.	35	C	0.	35	C	0.	35	C	0.	35
52	B	0.	52	B	0.	53	B	0.	53	A	0.	23	A	0.	23	A	0.	23	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32
53	B	0.	48	B	0.	49	B	0.	49	A	0.	21	A	0.	21	A	0.	21	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30
54	A	0.	21	A	0.	21	A	0.	21	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12
55	A	0.	33	A	0.1	33	A	0.1	33	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18
56	B	0.	42	B	0.	40	B	0.	40	A	0.	12	A	0.	12	A	0.	12	B	0.	38	B	0.	38	B	0.	38	B	0.	38	B	0.	38
57	A	0.1	36	A	0.1	36	A	0.1	36	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27
58	A	0.1	30	A	0.1	30	A	0.1	30	A	0.	32	A	0.	32	A	0.	32	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34
59	A	0.1	21	A	0.1	21	A	0.1	21	A	0.	21	A	0.	21	A	0.	21	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19
60	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.	54
61	A	0.3	17	A	0.3	17	A	0.4	17	A	0.1	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
62	A	0.	16	A	0.	16	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21
63	A	0.	9	A	0.	9	A	0.	9	B	0.	23	B	0.	23	B	0.	23	B	0.	23	B	0.	23	B	0.	23	B	0.	23	B	0.	23
64	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	B	0.3	127	B	0.3	127	B	0.2	127	B	0.2	127	B	0.2	127

Table 12 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
65	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	B	0.2	67	B	0.2	67	B	0.1	67	B	0.1	67	B	0.1	67
66	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
67	A	0.	20	A	0.	22	A	0.	22	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20
68	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12
69	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42
70	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8
71	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28
72	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
73	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38
74	A	0.	19	A	0.	19	A	0.	19	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23
75	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30
76	B	0.	71	B	0.	71	B	0.	71	B	0.	71	B	0.	71	B	0.	71	B	0.	71	B	0.	71	B	0.	71	B	0.	71	B	0.	71
77	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14
78	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22
79	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20
80	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
81	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12
82	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15
83	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26
84	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25
85	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23
86	A	0.	49	A	0.	49	A	0.	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49
87	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25
88	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39
89	A	0.3	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22
90	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27
91	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35
92	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21
93	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32
94	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25
95	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47
96	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25
97	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29
98	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37



Table 12 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8	
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu
133	A	0.1	44	A	0.2	44	A	0.2	44	A	0.	44	A	0.	44	A	0.	44	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.
134	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.
135	A	0.	79	A	0.	79	A	0.	79	A	0.	79	A	0.	79	A	0.	79	A	0.	79	A	0.	79	A	0.	79	A	0.	79	A	0.
136	A	0.1	204	A	0.1	204	A	0.1	204	A	0.2	204	A	0.1	204	A	0.1	204	A	0.3	204	A	0.3	204	A	0.2	204	A	0.2	204	A	0.2
137	A	0.	204	A	0.	204	A	0.	204	A	0.1	204	A	0.	204	A	0.	204	A	0.1	204	A	0.1	204	A	0.1	204	A	0.1	204	A	0.1
138	A	0.1	204	A	0.	204	A	0.	204	A	0.1	204	A	0.1	204	A	0.1	204	A	0.1	204	A	0.1	204	A	0.1	204	A	0.1	204	A	0.1
139	A	0.	204	A	0.	204	A	0.	204	A	0.	204	A	0.	204	A	0.	204	A	0.1	204	A	0.1	204	A	0.1	204	A	0.	204	A	0.
140	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.
141	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.
142	A	0.1	172	A	0.1	172	A	0.1	172	A	0.2	172	A	0.1	172	A	0.1	172	A	0.3	172	A	0.3	172	A	0.3	172	A	0.2	172	A	0.2
143	A	0.1	174	A	0.1	174	A	0.1	174	A	0.1	174	A	0.1	174	A	0.1	174	A	0.3	174	A	0.3	174	A	0.3	174	A	0.2	174	A	0.2
144	A	0.1	175	A	0.1	175	A	0.1	175	A	0.1	175	A	0.1	175	A	0.1	175	A	0.2	175	A	0.2	175	A	0.2	175	A	0.2	175	A	0.1
145	A	0.1	45	A	0.2	45	A	0.2	45	A	0.	45	A	0.	45	A	0.	45	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.
146	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.
147	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.
148	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	37	A	0.	37	A	0.
149	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1
150	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.
151	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.
152	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.
153	A	0.	78	A	0.	78	A	0.	78	A	0.	78	A	0.	78	A	0.	78	A	0.	78	A	0.	78	A	0.	78	A	0.	78	A	0.
154	A	0.2	13	A	0.	13	A	0.	13	A	0.	20	A	0.	20	A	0.	20	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.
155	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.
156	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.
157	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.
158	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.
159	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.
160	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.
161	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.
162	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.
163	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	49	A	0.	49	A	0.
164	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.
165	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.
166	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.1	53	A	0.1	53	A	0.1	53	A	0.	53	A	0.	53	A	0.

Table 12 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8	
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu
167	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.
168	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.	43	A	0.
169	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.1	62	A	0.1	62	A	0.1	62	A	0.1	62	A	0.1	62	A	0.1
170	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	33	A	0.	33	A	0.	33	A	0.
171	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.
172	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.
173	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.
174	A	0.1	134	A	0.1	134	A	0.1	134	A	0.1	134	A	0.1	134	A	0.1	134	A	0.2	134	A	0.2	134	A	0.2	134	A	0.2	134	A	0.1
175	A	0.	75	A	0.	75	A	0.	75	A	0.1	75	A	0.	75	A	0.	75	A	0.1	75	A	0.1	75	A	0.1	99	A	0.	99	A	0.
176	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	39	A	0.	39	A	0.
177	A	0.2	293	A	0.2	293	A	0.2	293	A	0.3	293	A	0.3	293	A	0.3	293	A	0.5	293	A	0.6	293	A	0.5	293	A	0.6	293	A	0.4
178	A	0.1	65	A	0.	65	A	0.	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1
179	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.
180	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.
181	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.1	65	A	0.	65	A	0.	65	A	0.
182	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.
183	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.
184	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.
185	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.
186	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.
187	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.
188	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.
189	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.
190	A	0.	91	A	0.	91	A	0.	91	A	0.	91	A	0.	91	A	0.	91	A	0.	91	A	0.	91	A	0.	91	A	0.	91	A	0.
191	A	0.	167	A	0.	167	A	0.	167	A	0.	167	A	0.	167	A	0.1	167	A	0.1	167	A	0.1	167	A	0.1	167	A	0.	167	A	0.
192	A	0.	263	A	0.	263	A	0.	263	A	0.1	263	A	0.1	263	A	0.1	263	A	0.1	263	A	0.1	263	A	0.1	263	A	0.1	263	A	0.1
193	C	0.6	267	C	0.4	267	C	0.4	267	C	0.5	267	C	0.4	267	C	3.4	471	C	0.8	267	C	0.7	267	C	0.5	239	C	0.5	239	C	0.5
194	A	0.	66	A	0.	66	A	0.	66	A	0.	66	A	0.	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1
195	A	0.1	88	A	0.	88	A	0.	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1
196	A	0.1	127	A	0.1	127	A	0.1	127	A	0.1	127	A	0.1	127	A	0.2	127	A	0.2	127	A	0.2	127	A	0.2	127	A	0.2	127	A	0.2
197	A	0.1	168	A	0.1	168	A	0.1	168	A	0.2	168	A	0.2	168	A	0.2	168	A	0.3	168	A	0.4	168	A	0.3	168	A	0.3	168	A	0.3
198	C	0.8	264	C	0.5	264	C	0.5	264	C	0.3	264	C	0.3	264	C	2.	374	C	0.6	264	C	0.5	264	C	0.5	264	C	0.3	236	C	0.3
199	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.
200	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	79	A	0.1	79	A	0.

Table 12 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8	
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu
201	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.
202	A	0.	87	A	0.	87	A	0.	87	A	0.	87	A	0.	87	A	0.	87	A	0.	87	A	0.	87	A	0.	87	A	0.	87	A	0.
203	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.1	70	A	0.1	70	A	0.	70	A	0.	70	A	0.	70	A	0.
204	A	0.	87	A	0.	87	A	0.	87	A	0.	87	A	0.	87	A	0.	87	A	0.	87	A	0.	87	A	0.	87	A	0.	87	A	0.
205	A	0.	99	A	0.	99	A	0.	99	A	0.1	99	A	0.	99	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	103	A	0.1	103	A	0.1
206	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.
207	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	71	A	0.	71	A	0.
208	A	0.	49	A	0.	43	A	0.	43	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.
209	A	0.	55	A	0.1	55	A	0.1	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.
210	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.
211	A	0.	15	A	0.	18	A	0.	18	A	0.	19	A	0.	19	A	0.	19	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.
212	A	0.	23	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.
213	A	0.	31	A	0.3	31	A	0.3	31	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.
214	A	0.	26	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.
215	A	0.	37	A	0.	36	A	0.	36	C	0.	20	C	0.	20	C	0.	20	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.
216	A	0.1	61	A	0.1	70	A	0.1	70	C	0.	26	C	0.	26	C	0.	26	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1
217	A	0.2	90	A	0.2	90	A	0.2	90	C	0.	22	C	0.	22	C	0.	22	C	0.	63	C	0.	63	C	0.	63	C	0.	63	C	0.
218	A	0.	66	A	0.1	64	A	0.1	64	A	0.	67	A	0.	67	A	0.	67	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.
219	A	0.4	100	A	0.2	99	A	0.2	99	A	0.3	115	A	0.3	115	A	0.2	115	A	0.2	110	A	0.2	110	A	0.2	110	A	0.2	110	A	0.2
220	A	0.3	104	A	0.1	47	A	0.1	47	A	0.1	47	A	0.1	47	A	0.1	47	A	0.1	64	A	0.1	64	A	0.1	64	A	0.1	64	A	0.1
221	A	0.5	159	A	10.7	157	A	10.8	157	C	0.5	153	C	0.5	153	C	0.5	153	C	0.4	165	C	0.4	165	C	0.4	165	C	0.4	163	C	0.2
222	C	30.4	761	C	34.8	455	C	34.8	455	C	0.7	348	C	0.7	348	C	0.7	348	C	1.1	391	C	1.2	391	C	1.1	391	C	1.	391	C	0.8
223	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.
224	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.
225	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.
226	A	0.1	123	A	0.1	123	A	0.1	123	C	0.	49	C	0.	49	C	0.	49	C	0.	49	C	0.	49	C	0.	49	C	0.	49	C	0.
227	A	0.3	204	A	0.1	96	A	0.1	96	A	0.1	114	A	0.1	114	A	0.1	114	A	0.1	112	A	0.1	112	A	0.1	112	A	0.1	112	A	0.1
228	A	0.4	241	A	0.3	229	A	0.3	229	C	0.1	112	C	0.1	112	C	0.2	145	C	0.3	145	C	0.1	112	C	0.1	112	C	0.1	112	C	0.5
229	A	0.1	39	A	0.1	39	A	0.1	39	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.
230	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.
231	A	0.	58	A	0.	58	A	0.	58	C	0.	35	C	0.	35	C	0.	35	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.
232	A	0.1	123	A	0.1	123	A	0.1	123	C	0.	49	C	0.	49	C	0.	49	C	0.	49	C	0.	49	C	0.	49	C	0.	49	C	0.
233	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.
234	A	0.	33	A	0.	33	A	0.	33	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.



Table 12 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8	
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu
235	A	0.	32	A	0.1	32	A	0.1	32	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.
236	B	0.	23	B	0.	23	B	0.1	23	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.
237	B	0.	33	B	0.1	33	B	0.1	33	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.
238	A	0.1	33	A	0.1	33	A	0.1	33	A	0.	31	A	0.	31	A	0.	31	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.
239	A	0.1	40	A	0.1	40	A	0.1	40	A	0.	31	A	0.	31	A	0.	31	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1
240	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.
241	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.
242	A	0.1	57	A	0.1	57	A	0.1	57	C	0.	96	C	0.	96	C	0.	96	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.
243	A	0.1	62	A	0.1	62	A	0.1	62	A	0.	61	A	0.	61	A	0.	61	A	0.	88	A	0.1	88	A	0.	88	A	0.	88	A	0.
244	A	0.2	90	A	0.2	90	A	0.2	90	C	0.3	159	C	0.3	159	C	0.3	159	A	0.1	155	A	0.2	155	A	0.1	155	A	0.1	155	A	0.1
245	C	0.1	102	C	0.1	102	C	0.1	102	C	0.1	114	C	0.1	114	C	0.1	114	C	0.4	426	C	0.5	426	C	0.4	426	C	0.4	426	C	0.3
246	C	0.1	103	C	0.1	103	C	0.1	103	C	0.	80	C	0.	80	C	0.	80	C	0.3	352	C	0.3	352	C	0.3	352	C	0.3	352	C	0.3
247	C	0.1	123	C	0.2	123	C	0.2	123	C	0.5	174	C	0.4	174	C	0.4	174	C	6.4	1102	C	5.7	991	C	5.9	991	C	3.9	991	C	3.
248	C	0.9	124	C	0.8	124	C	0.8	124	C	0.1	94	C	0.1	94	C	0.1	94	C	3.1	1149	C	3.7	1149	C	2.8	1150	C	2.2	1150	C	1.9
249	B	0.3	85	B	0.3	85	B	0.3	85	C	0.	76	C	0.	76	C	0.	76	C	0.6	410	C	0.6	410	C	0.5	412	C	0.4	412	C	0.4
250	A	0.	46	A	0.1	57	A	0.1	57	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.
251	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.
252	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.
253	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.
254	B	0.1	26	B	0.1	26	B	0.1	26	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.
255	A	0.1	48	A	0.1	48	A	0.1	48	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.
256	A	0.1	55	A	0.1	55	A	0.1	55	A	0.3	74	A	0.2	74	A	0.2	74	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.
257	A	0.1	54	A	0.1	54	A	0.1	54	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.
258	A	0.2	47	A	0.1	47	A	0.1	47	A	0.2	85	A	0.1	85	A	0.2	85	A	0.1	47	A	0.1	47	A	0.1	54	A	0.1	54	A	0.1
259	A	0.2	108	A	0.2	108	A	0.2	108	A	0.2	137	A	0.2	137	A	0.2	137	A	0.2	137	A	0.2	137	A	0.2	137	A	0.1	137	A	0.1
260	A	0.3	106	A	0.3	106	A	0.3	106	C	0.9	261	C	0.9	261	C	0.9	261	C	4.2	947	C	4.8	947	C	4.2	947	C	3.1	947	C	2.5
261	B	2.3	1157	A	0.1	68	A	0.1	68	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	66	A	0.1	66	A	0.1	82	A	0.1	82	A	0.
262	A	0.4	74	A	0.1	76	A	0.1	76	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	74	A	0.1	74	A	0.1	90	A	0.1	90	A	0.
263	A	0.4	82	A	0.1	84	A	0.1	84	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	82	A	0.1	82	A	0.1	98	A	0.1	98	A	0.1
264	C	1.9	513	A	0.1	78	A	0.1	78	A	0.	64	A	0.	64	A	0.	64	B	0.1	113	B	0.1	113	B	0.1	113	B	0.1	113	B	0.1
265	B	1.1	299	A	0.2	78	A	0.2	78	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	126	A	0.1	126	A	0.1	126	A	0.1	126	A	0.1
266	A	0.	20	A	0.	20	A	0.	20	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.
267	A	0.	47	A	0.1	47	A	0.1	47	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.
268	A	0.1	19	A	0.1	19	A	0.1	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.

Table 12 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8	
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu
269	A	0.1	17	A	0.1	17	A	0.1	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.
270	A	0.1	47	A	0.1	47	A	0.1	47	A	0.	48	A	0.	48	A	0.	48	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.1
271	A	0.	52	A	0.1	52	A	0.1	52	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.
272	A	0.1	52	A	0.1	52	A	0.1	52	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.
273	A	0.1	62	A	0.2	62	A	0.2	62	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.
274	A	0.1	33	A	0.1	33	A	0.1	33	A	0.	38	A	0.	38	A	0.	38	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.
275	A	0.1	42	A	0.1	42	A	0.1	42	A	0.	43	A	0.	43	A	0.	43	A	0.	45	A	0.	45	A	0.	53	A	0.	53	A	0.
276	A	0.1	45	A	0.1	45	A	0.1	45	A	0.	50	A	0.	50	A	0.	50	A	0.	52	A	0.1	52	A	0.	52	A	0.	52	A	0.
277	A	0.1	52	A	0.1	52	A	0.1	52	A	0.	65	A	0.	65	A	0.	65	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.
278	A	0.1	18	A	0.1	18	A	0.1	18	A	0.	22	A	0.	22	A	0.	22	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.
279	A	0.1	85	A	0.2	85	A	0.2	85	A	0.1	83	A	0.1	83	A	0.1	83	A	0.1	112	A	0.1	112	A	0.1	112	A	0.1	112	A	0.1
280	A	0.1	71	A	0.2	71	A	0.2	71	A	0.1	61	A	0.	61	A	0.	61	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1
281	A	0.4	84	A	0.4	84	A	0.4	84	A	0.4	146	A	0.4	146	A	0.4	146	A	0.4	146	A	0.4	146	A	0.4	146	B	0.2	170	B	0.3
282	A	0.1	26	A	0.1	26	A	0.1	26	A	0.	26	A	0.	26	A	0.	26	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.
283	A	0.3	95	A	0.3	95	A	0.3	95	C	0.2	134	C	0.1	134	C	0.1	134	A	0.2	146	A	0.2	146	A	0.2	146	A	0.2	146	A	0.1
284	A	0.2	39	A	0.2	39	A	0.2	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.
285	A	0.1	33	A	0.1	33	A	0.1	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.
286	A	0.1	33	A	0.1	33	A	0.1	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.
287	A	0.2	43	A	0.2	43	A	0.2	43	A	0.	30	A	0.	30	A	0.	30	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.
288	A	0.1	54	A	0.1	54	A	0.1	54	A	0.	59	A	0.	59	A	0.	59	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.
289	A	0.1	64	A	0.1	64	A	0.1	64	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.
290	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	80	A	0.1	80	A	0.1	80	A	0.	78	A	0.	78	A	0.	78	A	0.	78	A	0.
291	A	6.9	159	A	5.1	159	A	5.1	159	A	0.3	151	A	0.3	151	A	0.3	151	A	0.2	137	A	0.2	137	A	0.1	137	A	0.1	137	A	0.1
292	A	0.	32	A	0.	31	A	0.	31	C	0.	22	C	0.	22	C	0.	22	A	0.	31	A	0.	31	A	0.	36	A	0.	36	A	0.
293	A	0.3	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.
294	A	0.1	85	A	0.1	85	A	0.1	85	C	0.	26	C	0.	26	C	0.	26	C	0.	59	C	0.	59	C	0.	59	C	0.	59	C	0.
295	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.
296	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	C	0.	62	C	0.	62	C	0.	62	C	0.	62	C	0.
297	A	0.8	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.
298	A	0.2	120	A	0.2	120	A	0.2	120	C	0.	34	C	0.	34	C	0.	34	C	0.	72	C	0.	72	C	0.	72	C	0.	72	C	0.
299	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.
300	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.
301	A	0.1	82	A	0.1	82	A	0.	82	A	0.	84	A	0.	84	A	0.	84	A	0.	43	C	0.	43	C	0.	43	C	0.	43	C	0.
302	A	0.1	83	A	0.1	83	A	0.1	83	C	0.	26	C	0.	26	C	0.	26	C	0.	54	C	0.	54	C	0.	54	C	0.	54	C	0.

Table 12 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8	
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu
303	A	0.1	68	A	0.1	68	A	0.1	68	C	0.	27	C	0.	27	C	0.	27	C	0.	46	C	0.	46	C	0.	46	C	0.	46	C	0.
304	A	0.1	82	A	0.2	82	A	0.2	82	C	0.	26	C	0.	26	C	0.	26	C	0.	51	C	0.	51	C	0.	51	C	0.	51	C	0.
305	A	0.1	82	A	0.2	82	A	0.2	82	C	0.	43	C	0.	43	C	0.	43	C	0.	51	C	0.	51	C	0.	51	C	0.	51	C	0.
306	A	0.1	137	A	0.5	137	A	0.5	137	C	0.	40	C	0.	40	C	0.	40	C	0.	56	C	0.	56	C	0.	56	C	0.	56	C	0.
307	A	0.6	69	A	0.1	69	A	0.1	69	A	0.1	83	A	0.	83	A	0.	83	A	0.2	82	A	0.2	82	A	0.1	94	A	0.1	94	A	0.1
308	A	0.1	41	A	0.2	41	A	0.1	41	A	0.	29	A	0.	29	A	0.	29	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.
309	A	0.1	55	A	0.1	55	A	0.1	55	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.
310	A	0.1	57	A	0.1	57	A	0.1	57	A	0.	55	A	0.	55	A	0.	55	A	0.1	59	A	0.1	59	A	0.1	66	A	0.1	66	A	0.1
311	B	0.1	52	B	0.1	52	B	0.1	52	B	0.	57	B	0.	57	B	0.	57	B	0.1	59	B	0.1	61	B	0.1	61	B	0.1	59	B	0.1
312	C	10.	75	C	10.	75	C	10.	75	C	0.1	75	C	0.1	75	C	0.1	75	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.
313	A	0.	40	A	0.	40	A	0.	40	A	0.1	40	A	0.1	40	A	0.1	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.
314	A	0.3	110	A	0.2	110	A	0.2	110	A	0.1	104	A	0.1	104	A	0.1	104	A	0.2	112	C	0.	38	C	0.	38	C	0.	38	C	0.
315	A	0.2	76	A	0.2	76	A	0.2	76	A	0.1	120	A	0.	120	A	0.	120	A	0.1	132	C	0.	40	C	0.	40	C	0.	39	C	0.
316	A	0.3	90	A	0.2	90	A	0.2	90	A	0.	91	A	0.	91	A	0.	91	A	0.1	91	C	0.	42	C	0.	42	C	0.	42	C	0.
317	A	0.3	74	A	0.3	74	A	0.3	74	C	0.	41	C	0.	41	C	0.	41	A	0.2	92	C	0.1	62	C	0.1	62	C	0.	62	C	0.
318	A	1.1	26	A	0.9	26	A	0.9	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.
319	A	0.6	180	A	0.4	180	A	0.4	180	A	0.1	120	A	0.1	120	A	0.1	120	F	0	0	F	0	0	F	0	0	F	0	0	F	0
320	A	0.	23	A	0.	23	A	0.	23	C	0.1	40	C	0.1	40	C	0.1	40	C	0.1	40	C	0.1	266	C	1.5	338	C	0.1	40	C	0.
321	A	0.	23	A	0.	23	A	0.	23	C	0.1	36	C	0.1	36	C	0.1	36	C	0.1	36	C	1.5	269	C	0.4	283	C	0.	36	C	0.
322	B	0.1	41	B	0.1	41	B	0.1	41	A	0.	21	A	0.	21	A	0.	21	A	0.	23	A	0.	23	A	0.	23	A	0.	27	A	0.
323	B	0.1	39	B	0.1	39	B	0.1	39	A	0.	19	A	0.	19	A	0.	19	A	0.	23	A	0.	23	A	0.	23	A	0.	27	A	0.
324	A	0.2	26	A	0.2	26	A	0.2	26	C	1.3	522	C	1.2	522	C	1.2	522	F	0	0	C	1.6	522	C	1.3	494	F	0	0	F	0
325	A	0.2	15	A	0.1	15	A	0.1	15	C	0.1	94	C	0.1	94	C	0.1	94	C	0.1	94	C	1.8	567	C	1.4	545	C	0.1	94	C	0.1
326	A	0.5	16	A	0.3	16	A	0.3	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.
327	A	0.8	65	A	0.6	65	A	0.6	65	C	6.5	17955	C	6.4	17955	C	6.4	17955	C	6.3	17955	C	6.3	17955	C	6.3	17955	C	6.3	17955	C	6.3
328	C	1.1	96	C	0.2	96	C	0.2	96	A	1.1	24	A	1.	24	A	1.	24	A	1.4	24	A	1.4	24	A	1.3	24	A	4.6	24	A	1.
329	A	0.4	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.	26	A	0.	26	A	0.	26	A	0.
330	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.
331	A	0.	11	A	0.	11	A	0.	11	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.
332	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.
333	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.
334	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.
335	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.
336	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.

Table 12 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8				
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size		
337	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.
338	B	0.	95	B	0.	95	B	0.	95	B	0.	95	B	0.	95	B	0.	95	B	0.	95	B	0.	95	B	0.	95	B	0.	95	B	0.	95	B	0.
339	A	0.	41	A	0.	41	A	0.	41	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.
340	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.2	69	C	0.2	68	C	0.2	69	C	0.2	69	C	0.2	69	C	0.2	69	C	0.
341	A	0.	24	A	0.	24	A	0.	24	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.
342	A	0.	16	A	0.	16	A	0.	23	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.
343	C	0.	40	C	0.	40	C	0.	40	C	0.	40	C	0.	40	C	0.	40	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1
344	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.
345	A	0.1	55	A	0.1	55	A	0.1	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.
346	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.
347	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.
348	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.
349	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.
350	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.
351	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.
352	A	0.	58	A	0.	58	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	59	A	0.2	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1
353	A	0.	47	A	0.	47	A	0.1	45	A	0.1	45	A	0.1	45	A	0.	47	B	0.1	71	B	0.1	71	B	0.1	71	B	0.1	71	B	0.1	71	B	0.1
354	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.
355	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	B	0.	57	B	0.	57	B	0.	57	B	0.	57	B	0.	57	B	0.
356	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.
357	B	0.	71	B	0.	71	B	0.	71	B	0.	71	B	0.	71	B	0.	71	B	0.	71	B	0.	71	B	0.	71	B	0.	71	B	0.	71	B	0.
358	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.
359	A	0.	24	A	0.	24	A	0.1	24	A	0.1	24	A	0.	24	A	0.1	24	A	0.1	24	A	0.1	24	A	0.1	24	A	0.1	24	A	0.1	24	A	0.
360	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.
361	B	0.	95	B	0.	95	B	0.	95	B	0.	95	B	0.	95	B	0.	95	B	0.	95	B	0.	95	B	0.	95	B	0.	95	B	0.	95	B	0.
362	A	0.	74	A	0.	74	A	0.1	74	A	0.1	74	A	0.1	74	A	1.3	82	B	1.5	328	B	1.3	328	B	1.4	328	B	1.4	328	B	1.3	328	B	1.3
363	A	2.1	127	A	2.2	127	A	2.2	127	A	1.9	127	A	1.7	127	A	1.8	127	A	3.	127	A	3.3	127	A	3.1	127	A	2.4	127	A	2.4	127	B	0.9
364	A	0.2	74	A	0.2	74	A	0.2	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.
365	C	0.	55	C	0.	55	C	0.	60	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.
366	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.
367	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	B	0.	45	B	0.	45	B	0.	45	B	0.	45	B	0.	45	B	0.
368	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.
369	A	0.	26	A	0.	26	A	0.1	26	A	0.	26	A	0.	26	A	0.	26	B	0.2	58	B	0.2	58	B	0.2	58	B	0.2	58	B	0.2	58	B	0.2
370	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.

Table 12 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8	
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu
371	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.
372	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.
373	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.
374	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.
375	A	0.1	7	A	0.1	7	A	0.1	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.
376	A	0.	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1
377	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.1	22	A	0.1	22	A	0.1	22	A	0.1	22	A	0.1	22	A	0.
378	A	0.1	9	A	0.1	9	A	0.1	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.
379	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.1	41	A	0.1	41	A	0.1	41	A	0.1	41	A	0.1	41	A	0.1
380	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	58	A	0.2	58	A	0.2	58	A	0.1	58	A	0.1	58	A	0.1
381	A	1.1	54	A	1.1	54	A	1.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1
382	C	1.1	58	C	1.2	58	C	1.2	58	A	0.2	70	A	0.2	70	A	0.2	70	A	0.2	70	A	0.3	70	A	0.2	70	A	0.2	70	A	0.2
383	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	B	0.	23	B	0.	23	B	0.	23	B	0.	23	B	0.
384	B	0.1	35	B	0.1	35	B	0.1	35	C	0.4	174	C	0.3	174	C	0.4	174	C	0.6	174	C	0.6	174	C	0.5	174	C	0.5	174	C	0.1
385	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.
386	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.
387	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.
388	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	C	0.5	218	C	0.5	218	C	0.4	218	C	0.4	218	C	0.5
389	B	0.	70	B	0.	70	B	0.	70	C	0.3	218	C	0.3	218	C	0.3	218	C	0.5	218	C	0.5	218	C	0.4	218	C	0.4	218	C	0.4
390	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.
391	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.
392	A	0.	16	A	0.	16	A	0.	16	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.
393	A	0.	19	A	0.	19	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.
394	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.2	61	A	0.2	61	A	0.2	61	A	0.2	61	A	0.1
395	A	0.6	76	A	0.7	76	A	0.7	76	A	0.2	76	A	0.2	76	A	0.2	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1
396	A	0.1	36	A	0.1	36	A	0.1	36	A	0.1	36	A	0.1	36	A	0.1	36	A	0.2	50	A	0.2	50	A	0.2	50	A	0.2	50	A	0.1
397	A	0.	40	A	0.	40	A	0.	40	C	0.	24	C	0.	24	C	0.	24	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1
398	A	0.	69	A	0.	69	A	0.	69	A	0.1	69	A	0.1	69	A	0.	69	B	0.1	121	B	0.1	121	B	0.1	121	B	0.1	121	B	0.1
399	C	0.1	73	C	0.1	73	C	0.1	73	C	0.1	73	C	0.1	73	C	0.1	73	C	0.3	83	C	0.3	83	C	0.3	83	C	0.3	83	C	2.8
400	A	5.1	30	A	5.1	30	A	5.1	30	A	1.3	38	A	1.2	38	A	1.2	38	A	1.4	38	A	1.5	38	A	1.4	38	A	1.4	38	A	1.3
401	C	0.2	62	C	0.2	62	C	0.2	62	C	0.3	62	C	0.3	62	C	0.3	62	A	0.8	155	A	0.8	155	A	0.8	162	A	0.7	162	C	5.8
402	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.
403	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.
404	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.

Table 12 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8				
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu			
405	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	9.1			
406	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	C	0.2
407	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	C	0.2
408	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.
409	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.
410	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.
411	A	7.	111	A	7.1	111	A	7.1	111	C	6.7	150	C	5.9	150	C	5.9	150	C	7.3	150	A	15.2	60	A	15.1	60	C	15.	153	C	4.9			
412	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.
413	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.6
414	A	0.1	63	A	0.1	63	A	0.1	63	A	0.2	63	A	0.2	63	A	0.1	63	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.
415	A	0.	35	A	0.	35	A	0.	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1
416	C	0.3	75	C	0.3	75	C	0.3	75	C	0.3	105	C	0.3	105	C	0.3	105	C	0.4	105	C	0.4	105	C	0.3	105	C	0.3	105	C	0.3	105	C	0.3
417	C	16.	378	C	16.4	378	C	16.4	378	C	11.5	385	C	14.5	475	C	14.6	475	C	20.8	2057	C	39.2	68457	C	39.	68457	C	20.2	2051	C	24.5	1		
418	A	0.6	58	A	0.6	58	A	0.6	58	A	0.4	58	A	0.3	58	A	0.4	58	A	0.5	58	A	0.5	58	A	0.4	58	A	0.5	58	A	0.4	58	A	0.4
419	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.2	61	A	0.2	61	A	0.2	61	A	0.2	61	A	0.2	61	A	0.2
420	A	0.1	48	A	0.	48	A	0.	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1
421	A	0.	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1
422	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1
423	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.3	54	A	0.3	54	A	0.3	54	A	0.2	54	A	0.3
424	C	0.3	63	C	0.3	63	C	0.3	63	C	0.3	63	C	0.3	63	C	0.3	63	C	0.4	63	C	0.4	63	C	0.3	55	C	0.2	53	C	0.2	53	C	0.2
425	A	0.1	28	A	0.1	28	A	0.1	28	A	0.1	28	A	0.1	28	A	0.1	28	A	0.5	59	A	0.5	59	A	0.5	59	A	0.4	59	A	0.4	59	A	0.4
426	C	4.3	295	C	4.6	295	C	4.6	295	C	2.7	338	C	2.2	338	C	2.4	338	C	3.4	338	C	26.6	1033	C	26.2	1033	C	3.8	338	C	10.7	338	C	10.7
427	A	0.2	156	A	0.2	156	A	0.2	156	A	0.4	156	A	0.3	156	A	0.3	156	C	0.3	131	C	0.3	131	C	0.3	131	C	0.3	131	C	0.2	131	C	2.8
428	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.2	64	A	0.2	64	A	0.2	64	A	0.2	64	A	0.1	64	A	0.1
429	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1
430	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1
431	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.
432	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1
433	A	0.2	62	A	0.3	62	A	0.3	62	A	0.2	62	A	0.2	62	A	0.2	62	A	0.2	62	A	0.2	62	A	0.2	62	A	0.2	62	A	0.2	62	A	0.6
434	C	0.1	115	C	0.1	115	C	0.1	115	C	0.2	115	C	0.2	115	C	0.2	115	C	0.3	115	C	0.3	115	C	0.3	115	C	0.3	115	C	0.2	115	C	1.1
435	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	64	A	0.1	64	A	0.1	64	A	0.1	64	A	0.1	64	A	0.1
436	A	0.3	131	A	0.4	131	A	0.4	131	A	0.6	131	A	0.5	131	A	0.5	131	A	0.5	75	A	0.5	75	A	0.5	75	A	0.5	75	A	0.5	75	A	11.
437	A	0.	36	A	0.1	36	A	0.1	36	A	0.1	36	A	0.1	36	A	0.1	36	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1
438	A	3.	129	A	3.3	129	A	3.3	129	B	2.7	255	B	2.5	255	B	2.5	255	B	2.1	234	B	2.2	234	B	2.1	237	B	2.1	237	B	2.1	237	B	17.3

Table 12 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8	
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu
439	B	4.4	116	B	4.5	116	B	4.5	116	B	1.	116	B	0.9	116	B	0.9	116	B	1.3	116	B	1.3	116	B	1.2	116	B	1.2	116	A	1.7
440	C	0.	49	C	0.1	49	C	0.1	49	C	0.1	49	C	0.1	49	C	0.1	49	A	0.5	82	A	0.6	82	A	0.5	82	A	0.5	82	A	0.4
441	A	0.4	71	A	0.4	71	A	0.4	71	A	0.4	71	A	0.4	71	A	0.4	71	A	0.5	71	A	0.5	71	A	0.5	71	A	0.4	71	A	0.4
442	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	105	C	1.5	90	C	1.5	90	C	1.4	90	C	1.5	90	C	1.2
443	A	0.1	69	A	0.1	69	A	0.1	69	C	0.1	42	C	0.1	42	C	0.1	42	C	0.1	42	C	0.1	42	C	0.1	42	C	0.1	42	C	0.1
444	B	0.2	256	B	0.2	256	B	0.2	256	B	0.3	256	B	0.3	256	B	0.3	256	C	0.2	84	C	0.2	84	C	0.2	84	C	0.2	84	C	0.2
445	B	0.2	245	B	0.2	245	B	0.2	245	B	0.3	245	B	0.3	245	B	0.3	245	C	0.2	85	C	0.2	85	C	0.2	85	C	0.2	85	C	0.2
446	C	17.1	785	C	17.8	785	C	17.9	785	C	51.7	4397	C	50.6	4397	C	49.9	4397	C	71.1	4397	C	62.1	1556	C	59.3	1583	C	55.2	1281	A	12.6
447	A	4.6	169	A	4.8	169	A	4.7	169	A	5.1	168	A	4.8	168	A	4.9	168	C	2.6	207	C	4.3	148	C	3.9	148	C	4.5	148	A	2.9
448	C	0.	47	C	0.	47	C	0.	47	C	0.	47	C	0.	47	C	0.	47	C	0.3	71	C	0.3	71	C	0.3	71	C	0.3	71	C	0.3
449	A	0.1	154	A	0.1	154	A	0.1	154	A	0.2	154	A	0.1	154	A	0.1	154	C	25.6	924	C	25.9	924	C	25.4	1148	C	27.7	927	C	17.1
450	A	0.3	30	A	0.4	30	A	0.4	30	A	0.5	30	A	0.5	30	A	0.5	30	A	24.6	30	A	24.1	30	A	18.4	30	A	19.3	30	A	9.6
451	A	0.2	20	A	0.3	20	A	0.3	20	B	0.2	42	B	0.2	42	B	0.2	42	B	0.2	42	B	0.2	42	B	0.2	42	B	0.1	42	B	0.1
452	C	0.4	97	C	0.5	97	C	0.4	97	B	4.6	58	B	4.1	58	B	4.2	58	C	4.7	93	C	4.7	93	C	4.5	93	C	5.4	92	C	1.9
453	A	0.3	89	A	0.3	89	A	0.3	89	A	0.4	89	A	0.4	89	A	0.4	89	C	4.6	158	C	4.5	158	C	4.2	165	C	4.9	165	C	3.2
454	A	0.1	20	A	0.1	20	A	0.1	20	C	0.3	140	C	0.3	140	C	0.3	140	C	0.5	140	C	0.5	140	C	0.4	140	C	0.4	140	C	0.4
455	A	0.1	153	A	0.1	153	A	0.1	153	A	0.1	153	A	0.1	153	A	0.1	153	C	2.7	59	C	2.8	59	C	2.6	59	C	3.3	59	C	1.7
456	B	0.1	45	B	0.1	45	B	0.1	45	B	0.1	45	B	0.1	45	B	0.1	45	B	0.1	45	B	0.1	45	B	0.1	45	B	0.1	45	B	0.5
457	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.9
458	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.
459	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.
460	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	52	A	0.	52	A	0.
461	A	0.	48	A	0.	46	A	0.	46	C	0.	30	C	0.	30	C	0.	30	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1
462	A	0.	47	A	0.	49	A	0.	49	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.
463	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.
464	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.
465	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.
466	A	0.	20	A	0.	25	A	0.	25	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.
467	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.
468	A	0.	24	A	0.	24	A	0.	24	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.
469	A	0.1	26	A	0.2	26	A	0.1	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.
470	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.
471	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.
472	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.1	49	A	0.	49	A	0.	49	A	0.

Table 12 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8				
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size		
473	A	0.	25	A	6.9	25	A	6.6	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.
474	A	0.1	35	A	0.2	35	A	0.2	35	A	0.	35	A	0.	35	A	0.	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1
475	A	0.	30	A	0.1	40	A	0.1	40	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.
476	A	0.	40	A	0.1	46	A	0.1	46	C	0.	24	C	0.	24	C	0.	24	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.
477	A	0.	28	A	0.2	28	A	0.2	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.
478	A	0.1	31	A	0.1	31	A	0.1	31	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.
479	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.
480	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.
481	A	0.2	33	A	0.2	33	A	0.2	33	A	0.1	33	A	0.	33	A	0.1	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.
482	A	0.3	33	A	0.3	33	A	0.3	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.
483	A	0.	67	A	0.	67	A	0.	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1
484	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1
485	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1
486	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.2	39	A	0.2	39	A	0.2	39	A	0.1	39	A	0.1	39	A	0.1
487	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.
488	B	0.1	104	B	0.1	104	B	0.1	104	B	0.1	104	B	0.1	104	B	0.1	104	B	0.2	104	B	0.2	104	B	0.2	104	B	0.2	104	B	0.2	104	B	0.1
489	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.
490	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.
491	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.
492	A	0.2	14	A	0.2	14	A	0.2	14	A	0.3	14	A	0.2	14	A	0.2	14	A	0.1	14	A	0.1	14	A	0.	14	A	0.	14	A	0.	14	A	0.
493	A	0.2	19	A	0.3	19	A	0.3	19	A	0.2	19	A	0.2	19	A	0.2	19	A	0.1	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.
494	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.
495	A	0.	46	A	0.	46	A	0.	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	40	A	0.1	40	A	0.1	40	A	0.	40	A	0.	40	A	0.
496	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.
497	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.
498	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.
499	A	0.	39	A	0.	37	A	0.	37	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.
500	A	0.	45	A	0.1	45	A	0.1	45	A	0.	45	A	0.	45	A	0.	45	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.
501	A	0.3	36	A	0.1	34	A	0.1	34	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.
502	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.
503	A	0.3	53	A	0.	53	A	0.	53	A	0.1	53	A	0.	53	A	0.	53	A	0.1	55	A	0.1	55	A	0.1	55	A	0.	55	A	0.	55	A	0.
504	A	0.3	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1
505	A	0.3	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1
506	A	0.3	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0



Table 12 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
507	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28
508	A	0.3	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.1	53	A	0.1	55	A	0.1	55	A	0.	55	A	0.	55	A	0.	55
509	A	0.3	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66
510	A	0.3	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80
511	A	0.3	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
512	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15
513	A	0.	35	A	0.	35	A	0.	35	A	0.	31	A	0.	31	A	0.	31	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33
514	A	0.	45	A	0.	45	A	0.	45	A	0.	35	A	0.	35	A	0.	35	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41
515	A	0.	53	A	0.	53	A	0.	53	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49
516	A	0.3	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52
517	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16
518	A	0.	35	A	0.	35	A	0.	35	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	33	A	0.	33	A	0.	33
519	A	0.	45	A	0.	45	A	0.	45	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	41	A	0.	41	A	0.	41
520	A	0.	53	A	0.	53	A	0.	53	A	0.	49	A	0.	49	A	0.	49	A	0.	43	A	0.	43	A	0.	49	A	0.	49	A	0.	49
521	A	0.3	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54
522	A	0.	38	A	0.	38	A	0.	38	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24
523	A	0.1	97	A	0.1	97	A	0.1	97	A	0.1	97	A	0.1	97	A	0.1	97	C	0.	36	C	0.	36	C	0.	36	C	0.	36	C	0.	36
524	A	0.	15	A	0.	15	A	0.	15	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12
525	A	0.	45	A	0.	45	A	0.	45	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44
526	A	0.	37	A	0.	37	A	0.	37	C	0.	51	C	0.	51	C	0.	51	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39
527	A	0.3	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30
528	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	C	0.1	70	C	0.1	70	C	0.	70	C	0.	70	C	0.	70
529	A	0.3	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.1	76	A	0.1	76	A	0.	76	A	0.	76	A	0.	76
530	A	0.	18	A	0.	22	A	0.	22	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18
531	A	0.	20	A	0.	24	A	0.	24	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20
532	A	0.3	42	A	0.1	42	A	0.1	42	A	0.	40	A	0.	40	A	0.	40	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55
533	A	0.1	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.1	68	A	0.1	68	A	0.	68	A	0.	68	A	0.	68
534	A	0.1	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44
535	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23
536	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26
537	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29
538	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12
539	A	0.3	31	A	0.1	31	A	0.1	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	39	A	0.	39	A	0.	39
540	A	0.1	15	A	0.2	15	A	0.2	15	A	0.	15	A	0.	15	A	0.	15	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0

Table 12 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8	
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu
541	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.
542	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.
543	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1
544	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.
545	A	0.1	64	A	0.1	64	A	0.1	64	A	0.2	64	A	0.2	64	A	0.2	64	A	0.3	64	A	0.3	64	A	0.3	64	A	0.2	64	A	0.2
546	A	0.1	36	A	0.1	36	A	0.1	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.
547	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.
548	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.
549	A	0.2	97	A	0.2	97	A	0.2	97	A	0.3	97	A	0.2	97	A	0.2	97	A	0.4	97	A	0.3	97	A	0.2	104	A	0.3	104	A	0.2
550	A	0.1	90	A	0.1	90	A	0.1	90	A	0.2	90	A	0.2	90	A	0.2	90	A	0.3	90	A	0.2	90	A	0.2	90	A	0.2	90	A	0.2
551	A	0.	66	A	0.	66	A	0.	66	A	0.1	66	A	0.	66	A	0.	66	A	0.4	66	A	0.3	66	A	0.3	66	A	0.3	66	A	0.3
552	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	B	0.1	89	B	0.1	89	B	0.1	89	B	0.1	89	B	0.1
553	B	0.1	84	B	0.1	84	B	0.1	84	B	0.1	84	B	0.1	84	B	0.1	84	B	0.1	84	B	0.1	84	B	0.1	84	B	0.1	84	B	0.1
554	B	0.5	61	B	0.6	61	B	0.6	61	B	0.6	61	B	0.6	61	B	0.6	61	B	0.5	61	B	0.5	61	B	0.5	61	B	0.4	61	B	0.2
555	B	0.5	61	B	0.6	61	B	0.6	61	B	0.7	61	B	0.6	61	B	0.6	61	B	0.5	61	B	0.6	61	B	0.5	61	B	0.5	61	B	0.3
556	A	0.1	12	A	0.1	12	A	0.1	12	A	0.2	11	A	0.2	11	A	0.2	11	A	0.1	11	A	0.	11	A	0.	11	A	0.	11	A	0.
557	B	0.5	100	B	0.6	100	B	0.6	100	B	0.2	100	B	0.2	100	B	0.2	100	B	0.1	100	B	0.1	100	B	0.1	100	B	0.1	100	B	0.1
558	A	0.1	12	A	0.1	12	A	0.1	12	A	0.2	10	A	0.2	10	A	0.2	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.
559	B	0.3	87	B	0.4	87	B	0.4	87	B	0.2	87	B	0.2	87	B	0.2	87	B	0.1	87	B	0.1	87	B	0.1	87	B	0.1	87	B	0.1
560	A	0.6	72	A	0.7	72	A	0.7	72	A	0.7	72	A	0.7	72	A	0.7	72	A	0.6	72	A	0.6	72	A	0.6	72	A	0.6	72	A	0.3
561	A	0.	13	A	0.	13	A	0.	13	A	0.1	23	A	0.1	23	A	0.1	23	A	0.1	23	A	0.1	23	A	0.	23	A	0.	23	A	0.
562	A	0.2	73	A	0.2	73	A	0.2	73	A	0.2	73	A	0.2	73	A	0.2	73	A	0.2	73	A	0.2	73	A	0.2	73	A	0.2	73	A	0.2
563	A	0.	13	A	0.	13	A	0.	13	A	0.1	23	A	0.1	23	A	0.1	23	A	0.1	23	A	0.	23	A	0.	23	A	0.	23	A	0.
564	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.
565	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.
566	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.
567	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.2	72	A	0.2	72	A	0.2	72	A	0.2	72	A	0.2	72	A	0.2
568	A	0.1	40	A	0.1	40	A	0.1	40	A	0.1	40	A	0.1	40	A	0.1	40	A	0.1	40	A	0.1	40	A	0.1	40	A	0.1	40	A	0.1
569	A	0.1	76	A	0.1	76	A	0.1	76	A	0.2	76	A	0.2	76	A	0.2	76	A	0.3	76	A	0.3	76	A	0.3	76	A	0.2	76	A	0.2
570	A	0.	2	A	0.	2	A	0.	2	A	0.	2	A	0.	2	A	0.	2	A	0.	2	A	0.	2	A	0.	2	A	0.	2	A	0.
571	A	0.	2	A	0.	2	A	0.	2	A	0.	2	A	0.	2	A	0.	2	A	0.	2	A	0.	2	A	0.	2	A	0.	2	A	0.
572	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.
573	A	0.	3	A	0.	3	B	0.	7	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.
574	A	0.	5	A	0.	5	A	0.	3	B	0.	9	B	0.	9	B	0.	9	B	0.	9	B	0.	9	B	0.	9	B	0.	9	B	0.

Table 12 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8	
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu
575	A	0.	5	A	0.	5	B	0.	17	A	0.	7	A	0.	7	A	0.	7	B	0.	17	B	0.	17	B	0.	17	B	0.	17	B	0.
576	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.
577	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.
578	A	0.	16	A	0.	16	A	0.	16	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.
579	B	0.	47	B	0.	47	B	0.	47	B	0.	36	B	0.	36	B	0.	36	B	0.	47	B	0.	47	B	0.	47	B	0.	47	B	0.
580	A	0.	26	A	0.	26	A	0.	26	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.
581	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.
582	A	0.1	27	A	0.1	27	A	0.1	27	A	0.1	27	A	0.1	27	A	0.	27	A	0.1	27	A	0.1	27	A	0.1	27	A	0.1	27	A	0.1
583	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.
584	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.
585	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	29	A	0.1	29	A	0.1	29	A	0.1	29	A	0.1	29	A	0.1	29	A	0.1	29	A	0.1
586	A	0.4	31	A	0.5	31	A	0.4	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.
587	A	0.1	35	A	0.1	35	A	0.1	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.
588	A	0.2	24	A	0.3	24	A	0.3	24	A	0.1	24	A	0.1	24	A	0.1	24	A	0.1	24	A	0.1	24	A	0.1	24	A	0.	24	A	0.
589	A	5.	37	A	5.	37	A	5.	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1
590	A	0.1	30	A	0.1	30	A	0.1	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.
591	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.
592	B	17.8	160	B	20.5	160	B	18.5	160	C	30.3	392	C	29.4	392	C	29.5	392	C	30.8	487	C	52.2	5173	C	50.1	5173	C	9.9	490	C	20.7
593	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1
594	A	0.	21	A	0.	21	A	0.	21	A	0.1	21	A	0.1	21	A	0.	21	A	0.4	36	A	0.4	36	A	0.3	36	A	0.3	36	A	0.2
595	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.1	15	A	0.1	15	A	0.1	15	A	0.1	15	A	0.1
596	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.
597	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.
598	A	0.	23	A	0.	23	A	0.	23	A	0.1	23	A	0.1	23	A	0.1	23	A	0.1	23	A	0.1	23	A	0.	25	A	0.	25	A	0.
599	A	0.1	20	A	0.1	20	A	0.1	20	A	0.1	20	A	0.1	20	A	0.1	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.
600	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.
601	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	B	0.	32	B	0.	32	B	0.	32	B	0.	32	B	0.
602	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.
603	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.
604	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.
605	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	20	A	0.	20	A	0.	25	A	0.	25	A	0.
606	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.
607	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.
608	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.

Table 12 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8				
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size		
609	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.
610	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.
611	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.
612	A	0.	81	A	0.	81	A	0.	81	A	0.	81	A	0.	81	A	0.	81	A	0.	68	A	0.	68	A	0.	68	A	0.	68	A	0.	68	A	0.
613	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.
614	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.
615	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.
616	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.
617	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	33	A	0.	33	A	0.	33	A	0.
618	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.
619	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.
620	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.
621	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.
622	A	0.	16	B	0.	46	B	0.	46	B	0.	46	B	0.	46	B	0.	46	B	0.	46	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.
623	A	0.	18	B	0.	50	B	0.	50	B	0.	50	B	0.	50	B	0.	50	B	0.	50	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.
624	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.
625	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.
626	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.
627	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	C	0.	38	C	0.	38	C	0.	38	C	0.	38	C	0.
628	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.
629	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.
630	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.
631	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.
632	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.
633	A	0.	4	A	0.	4	A	0.	4	A	0.	4	A	0.	4	A	0.	4	A	0.	4	A	0.	4	A	0.	4	A	0.	4	A	0.	4	A	0.
634	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.
635	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.
636	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.
637	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.
638	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.
639	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	30	A	0.	30	A	0.
640	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1
641	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.
642	A	0.	29	A	0.	29	A	0.1	29	A	0.1	29	A	0.1	29	A	0.1	29	A	0.1	29	A	0.1	29	A	0.1	29	A	0.1	29	A	0.1	29	A	0.1

Table 12 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8	
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu
643	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1
644	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.2	56	A	0.2	56	A	0.2	56	A	0.2	56	A	0.1	56	A	0.1
645	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.
646	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.
647	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.
648	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.
649	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.
650	A	0.	92	A	0.	92	A	0.	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1
651	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.
652	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.
653	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.
654	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.
655	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.
656	A	0.	47	A	0.	47	A	0.	47	A	0.1	47	A	0.	47	A	0.1	47	A	0.1	47	A	0.	47	A	0.	47	A	0.	47	A	0.
657	A	0.2	119	A	0.2	119	A	0.2	119	A	0.3	119	A	0.2	119	A	0.2	119	A	0.3	119	A	0.3	119	A	0.3	119	A	0.3	119	A	0.2
658	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.1	36	A	0.1	36	A	0.1	36	A	0.1	36	A	0.	36	A	0.
659	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.
660	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.
661	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.	32	A	0.
662	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.	32	A	0.	32	A	0.
663	A	0.	45	A	0.	45	A	0.	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1
664	A	0.	40	A	0.	40	A	0.	40	A	0.1	40	A	0.	40	A	0.1	40	A	0.1	40	A	0.1	40	A	0.1	40	A	0.1	40	A	0.1
665	A	0.1	112	A	0.2	112	A	0.2	112	A	0.2	112	A	0.2	112	A	0.2	112	A	0.3	112	A	0.2	112	A	0.2	112	A	0.2	112	A	0.2
666	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.
667	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.1	50	A	0.1	50	A	0.	50	A	0.
668	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.
669	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.
670	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.
671	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.
672	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.1	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.
673	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.
674	A	0.	64	A	0.	64	A	0.	64	A	0.1	64	A	0.1	64	A	0.1	64	A	0.	64	A	0.	64	A	0.	64	A	0.	64	A	0.
675	A	0.1	70	A	0.1	70	A	0.1	70	A	0.2	70	A	0.2	70	A	0.2	70	A	0.2	70	A	0.2	70	A	0.2	70	A	0.2	70	A	0.2
676	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.

Table 12 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8					
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size			
677	C	0.	59	C	0.	59	C	0.	59	C	0.	59	C	0.	59	C	0.	59	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39
678	C	0.	81	C	0.	81	C	0.	81	C	0.	81	C	0.	81	C	0.	81	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60
679	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28
680	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38
681	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56
682	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47
683	A	0.1	116	A	0.2	116	A	0.1	116	A	0.2	116	A	0.1	116	A	0.1	116	A	0.2	116	A	0.2	116	A	0.2	116	A	0.2	116	A	0.2	116	A	0.2	116
684	A	0.2	86	A	0.2	86	A	0.2	86	A	0.2	86	A	0.3	86	A	0.3	86	A	0.3	86	A	0.4	86	A	0.4	86	A	0.4	86	A	0.4	86	A	0.3	86
685	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.1	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48
686	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.2	67	A	0.2	67	A	0.2	67	A	0.2	67	A	0.2	67	A	0.2	67
687	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61
688	A	0.3	75	A	0.2	75	A	0.2	75	A	0.2	72	A	0.2	72	A	0.1	72	A	0.2	72	A	0.2	72	A	0.2	84	A	0.2	84	A	0.2	84	A	0.2	84
689	B	1.1	383	B	1.2	383	B	1.2	383	B	1.9	383	B	1.6	383	B	1.7	383	B	2.9	383	B	2.3	383	B	2.1	383	B	1.9	383	B	1.9	383	B	1.3	383
690	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35
691	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.2	79	A	0.2	79	A	0.2	79	A	0.2	79	A	0.2	79	A	0.2	79
692	A	0.	76	A	0.	76	A	0.	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76
693	A	0.2	84	A	0.2	84	A	0.2	84	A	0.3	84	A	0.2	84	A	0.2	84	A	0.3	84	A	0.3	84	A	0.3	84	A	0.3	84	A	0.3	84	A	0.3	84
694	A	0.	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92
695	A	0.1	99	A	0.1	99	A	0.1	99	A	0.2	99	A	0.1	99	A	0.1	99	A	0.2	99	A	0.2	99	A	0.2	99	A	0.2	99	A	0.2	99	A	0.2	99
696	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.	71	A	0.	71	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75
697	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35
698	A	0.	105	A	0.	105	A	0.	105	A	0.	105	A	0.	105	A	0.	105	A	0.	105	B	0.3	256	B	0.3	256	B	0.3	256	B	0.2	256	B	0.2	256
699	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28
700	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31
701	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70
702	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72
703	C	0.1	66	C	0.1	66	C	0.1	66	C	0.3	66	C	0.2	66	C	0.2	66	C	0.3	66	C	0.3	66	C	0.3	66	C	0.3	66	C	0.3	66	C	0.3	66
704	C	0.1	144	C	0.1	144	C	0.1	144	A	0.2	40	A	0.2	40	A	0.2	40	A	0.2	144	C	0.2	144	C	0.2	144	C	0.2	144	C	0.2	144	C	0.2	144
705	C	0.3	109	C	0.4	109	C	0.4	109	B	0.9	64	B	0.8	64	B	0.7	64	B	0.8	64	B	0.8	64	B	0.8	64	B	0.8	64	B	0.8	64	B	0.8	64

## 2.11 Independent\_test\_suites\WelzProblems

Table 13: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
2	C 0. 37	C 0. 37	C 0. 37	C 0. 37	C 0. 37	C 0. 37	C 0. 37	C 0. 37	C 0. 37	C 0. 37	C 0. 37	C 0. 37
3	A 0.1 60	A 0.2 60	A 0.2 60	A 0.1 99	A 0.1 69	A 0.1 69	A 0.2 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 119
4	A 0.1 71	A 0.1 71	A 0.1 71	C 3.5 167	C 3.3 167	C 2.8 167	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
5	A 0.1 118	A 0.1 73	A 0.1 73	A 0.2 126	A 0.1 126	A 0.1 126	A 0.1 65	A 0.1 65	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67
6	A 0.1 70	A 0.2 70	A 0.2 70	A 0.1 59	A 0.1 59	A 0.1 59	B 0.2 165	B 0.2 165	B 0.2 165	B 0.2 165	B 0.2 165	B 0.1 165
7	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90
8	A 0.4 26	A 0.2 26	A 0.2 26	A 0.1 30	A 0. 30	A 0. 30	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
9	A 7.4 276	A 6.3 195	A 6.2 195	A 0.8 340	A 0.7 340	A 0.7 340	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
10	A 10.5 311	A 6.5 195	A 6.4 195	A 0.6 311	A 0.6 311	A 0.7 311	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
11	A 4.1 126	A 3.7 126	A 3.7 126	A 0.2 125	A 0.2 125	A 0.2 125	B 0.4 403	B 0.4 403	B 0.4 403	B 0.4 403	B 0.4 403	B 0.4 403
12	B 4.8 272	B 2.4 272	B 2.4 272	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
13	B 2.2 205	B 1.1 205	B 1.1 205	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
14	A 0.5 44	A 0.2 44	A 0.1 44	A 0. 31	A 0. 31	A 0. 31	B 2.3 145	B 1.8 231	B 1.6 231	B 5.9 231	B 1.4 231	B 1.4 231
15	A 0.5 33	C 0.2 57	C 0.2 57	A 0. 33	A 0. 33	A 0. 33	B 1.4 162	B 1.4 162	B 0.5 162	B 0.6 162	B 1. 162	B 1. 162
16	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
17	A 0.1 43	A 0.1 43	A 0.1 43	A 0. 43	A 0. 43	A 0. 43	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36
18	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39
19	A 0.3 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
20	A 0.3 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20
21	A 0. 39	A 0. 39	A 0. 39	A 0. 36	A 0. 36	A 0. 36	A 0.1 37	A 0.1 37	A 0.1 37	A 0.1 37	A 0. 37	A 0. 37
22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
23	A 0.2 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0. 62	A 0. 62	A 0. 62	A 0. 62
24	C 0.3 239	C 0.3 239	C 0.3 239	C 2.7 961	C 2.3 961	C 2.6 961	C 4.2 961	C 4.5 961	C 3.8 961	C 3.8 961	C 2.7 961	C 2.7 961
25	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	C 0.1 42	C 0.1 42	C 0.1 42
27	A 0.9 56	A 0.1 56	A 0.1 56	A 0.2 56	A 0.2 56	A 0.2 56	A 0.2 85	A 0.3 85	A 0.2 85	A 0.5 85	A 0.2 85	A 0.2 85
28	A 0. 82	A 0. 82	A 0. 82	A 0.1 127	A 0.1 127	A 0.1 127	A 0.1 161	A 0.1 161	A 0.1 161	A 0.1 161	A 0.1 161	A 0.1 161
29	A 0.2 412	A 0.2 412	A 0.2 412	A 0.3 412	A 0.2 412	A 0.2 412	A 0.3 412	A 0.3 412	A 0.3 412	A 0.2 412	A 0.2 412	A 0.2 412
30	A 0.3 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17

Table 13 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8					
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size			
31	A	0.1	46	A	0.2	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36
32	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.	33	A	0.	33	A	0.	33
33	A	0.	77	A	0.	77	A	0.	77	A	0.	57	A	0.	57	A	0.	57	C	0.	41	C	0.	41	C	0.	41	C	0.	41	C	0.	41	C	0.	41
34	A	0.	77	A	0.	77	A	0.	77	A	0.	81	A	0.	81	A	0.	81	C	0.	41	C	0.	41	C	0.	41	C	0.	41	C	0.	41	C	0.	41
35	A	0.1	86	A	0.	86	A	0.	86	A	0.	86	A	0.	86	A	0.	86	A	0.1	86	C	0.1	101	C	0.1	101	C	0.1	101	C	0.1	101	C	0.1	101
36	A	0.	79	A	0.	79	A	0.	79	A	0.	55	A	0.	55	A	0.	55	C	0.	39	C	0.	39	C	0.	39	C	0.	39	C	0.	39	C	0.	39
37	A	1.2	148	A	1.	148	A	1.	148	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
38	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
39	A	0.2	162	A	0.2	162	A	0.2	162	C	0.	59	C	0.	59	C	0.	59	C	0.2	109	C	0.	59	C	0.	59	C	0.	59	C	0.	59	C	0.1	52
40	A	0.3	132	C	0.	85	C	0.	85	C	0.	85	C	0.	85	C	0.	85	C	0.	85	C	0.	85	C	0.	85	C	0.	85	C	0.	85	C	0.	85
41	A	0.1	130	A	0.6	130	A	0.6	130	A	0.1	127	A	0.1	127	A	0.1	127	C	0.	49	C	0.	49	C	0.	49	C	0.	49	C	0.	49	C	0.	49
42	A	1.6	145	A	0.7	145	A	0.7	145	A	0.2	140	A	0.1	140	A	0.1	140	C	0.1	61	C	0.1	61	C	0.1	61	C	0.1	61	C	0.1	61	C	0.	61
43	A	2.8	189	A	2.1	189	A	2.1	189	C	0.2	55	C	0.2	55	C	0.2	55	C	0.2	72	C	0.2	72	C	0.2	72	C	0.2	72	C	0.2	72	C	0.2	72
44	A	15.3	128	A	15.2	128	A	15.2	128	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
45	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
46	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
47	C	4.1	178	C	4.4	178	C	4.3	178	C	2.3	198	C	2.	198	C	2.	198	C	2.1	206	C	2.2	206	C	2.1	206	C	6.1	372	C	1.7	206	C	1.7	206
48	C	6.6	253	C	7.2	253	C	6.8	253	C	6.1	610	C	6.1	291	C	6.1	610	C	6.1	662	C	6.1	662	C	6.1	662	C	4.2	497	C	4.7	465	C	4.7	465
49	C	36.1	1242	C	36.1	1242	C	16.7	1100	C	6.2	1100	C	6.2	1100	C	6.2	1100	C	6.2	1242	C	6.2	1242	C	6.2	1242	C	4.3	907	C	6.2	1242	C	6.2	1242
50	C	2.6	733	C	2.9	733	C	2.7	733	C	5.7	342	C	5.4	342	C	5.2	342	C	6.4	1236	C	6.4	1236	C	6.4	1236	C	6.9	1236	C	6.4	1236	C	6.4	1236
51	C	21.4	1431	C	21.4	1431	C	21.4	1431	C	11.6	1431	C	11.5	1431	C	11.5	1431	C	6.7	1431	C	6.7	1431	C	6.7	1431	C	7.9	1431	C	6.7	1431	C	6.7	1431
52	A	0.5	120	A	1.4	99	A	1.4	99	C	1.1	213	C	1.1	213	C	1.1	213	C	0.6	213	C	0.6	213	C	0.5	213	C	0.5	213	C	0.5	213	C	0.5	213
53	C	11.2	145	C	10.2	145	C	10.2	145	C	0.2	145	C	0.2	145	C	0.4	205	C	0.5	205	C	0.1	53	C	0.	53	C	0.1	50	C	0.1	50	C	0.1	50
54	C	11.9	153	C	10.2	153	B	10.	1072	C	0.2	153	C	0.2	153	C	0.3	220	C	0.4	220	C	0.1	54	C	0.1	54	C	0.1	54	C	0.1	54	C	0.1	54
55	A	0.2	168	A	0.2	168	A	0.2	168	C	0.1	111	C	0.1	111	C	0.1	111	C	0.8	273	C	0.1	111	C	0.1	111	C	0.1	111	C	0.1	111	C	0.2	114
56	A	0.2	99	A	0.2	99	A	0.2	99	C	0.	20	C	0.	20	C	0.	20	C	0.	34	C	0.	34	C	0.	34	C	0.	34	C	0.	34	C	0.	34
57	A	0.	88	A	0.	88	A	0.	88	A	0.	90	A	0.	90	A	0.	90	C	0.	48	C	0.	48	C	0.	48	C	0.	48	C	0.	48	C	0.	48
58	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
59	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
60	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25
61	C	0.	86	C	0.	86	C	0.	86	C	0.	86	C	0.	86	C	0.	86	C	0.	86	C	0.	86	C	0.	86	C	0.	86	C	0.	86	C	0.	86
62	C	0.	99	C	0.	99	C	0.	99	C	0.	99	C	0.	99	C	0.	99	C	0.	99	C	0.	99	C	0.	99	C	0.	99	C	0.	99	C	0.	99
63	C	0.2	57	C	0.2	57	C	0.2	57	C	0.1	110	C	0.1	110	C	0.1	110	C	0.1	110	C	0.	21	C	0.	21	C	0.	21	C	0.	21	C	0.	21
64	A	0.2	44	A	0.2	44	A	0.2	44	C	0.1	108	C	0.1	108	C	0.1	108	C	0.1	108	C	0.	21	C	0.	21	C	0.	21	C	0.	21	C	0.	21



Table 13 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
65	A	0.9	79	A	0.3	79	A	0.3	79	C	7.	5727	C	7.	5727	C	7.	5727	F	0	0	C	6.1	10603	C	6.1	10603	F	0	0	F	0	0
66	C	0.9	92	C	0.3	92	C	0.2	92	C	0.4	322	C	0.4	322	C	0.4	322	C	0.4	322	C	6.2	10200	C	6.2	10200	C	0.3	322	C	0.3	322
67	C	15.1	157	C	10.2	157	C	10.2	157	C	0.3	157	C	0.3	157	C	0.4	203	C	0.5	203	C	0.1	70	C	0.1	70	C	0.1	70	C	0.1	70
68	C	15.1	162	C	10.2	162	C	10.2	162	C	0.3	162	C	0.3	162	C	0.4	221	C	0.5	221	C	0.1	74	C	0.1	74	C	0.1	74	C	0.1	74
69	C	11.2	144	C	10.2	144	C	10.1	144	C	0.2	144	C	0.2	144	C	0.3	205	C	0.4	205	C	0.	50	C	0.	50	C	0.	50	C	0.1	50
70	C	11.6	152	C	10.1	152	C	10.1	152	C	0.1	152	C	0.1	152	C	0.3	219	C	0.3	219	C	0.	57	C	0.	57	C	0.	54	C	0.1	54

## 2.12 Independent\_test\_suites\WesterProblems

Table 14: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A
2	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A
3	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A
4	B 0. 34	B 0. 34	B 0. 34	B 0. 34	B 0. 34	B 0. 34	B 0. 34	B 0. 34	B 0. 34	B 0. 34	B 0. 34	B 0. 34	A
5	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A
6	B 0.1 26	B 0.1 26	B 0.1 26	B 0. 26	B 0. 26	B 0. 26	B 0. 26	B 0. 26	B 0. 26	B 0. 26	B 0. 26	B 0. 26	B
7	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A
8	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A

## 2.13 1\_Algebraic\_functions\1.1Binomialproducts\1.1.1Linear\1.1.1.2(a+bx)^m(c+dx)^n

Table 15: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
1	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A
2	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A
3	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A
4	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A
5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A
6	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A
7	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A
8	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A
9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A
10	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A
11	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A
12	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A
13	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A
14	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A
15	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A
16	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A
17	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A
18	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A
19	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A
20	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A
21	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A
22	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A
23	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A
24	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A
25	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A
26	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A
27	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A
28	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A
29	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A
30	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A

Table 15 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade c
31	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A
32	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A
33	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A
34	B 0. 87	B 0. 87	B 0. 87	B 0. 87	B 0. 87	B 0. 87	B 0. 87	B 0. 87	B 0. 87	B 0. 87	B 0. 87	B
35	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A
36	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A
37	A 0. 115	A 0. 115	A 0. 115	A 0. 115	A 0. 115	A 0. 115	A 0. 115	A 0. 115	A 0. 115	A 0. 115	A 0. 115	A
38	A 0. 124	A 0. 124	A 0. 124	A 0. 124	A 0. 124	A 0. 124	A 0. 124	A 0. 124	A 0. 124	A 0. 124	A 0. 124	A
39	B 0. 114	B 0. 114	B 0. 114	B 0. 114	B 0. 114	B 0. 114	B 0. 114	B 0. 114	B 0. 114	B 0. 114	B 0. 114	B
40	A 0. 128	A 0. 128	A 0. 128	A 0. 128	A 0. 128	A 0. 128	A 0. 128	A 0. 128	A 0. 128	A 0. 128	A 0. 128	A
41	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A
42	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A
43	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A
44	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A
45	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A
46	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0.1 35	A 0.1 35	A 0.1 35	A 0. 35	A 0. 35	A
47	A 0. 53	A 0. 53	A 0. 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A
48	A 0. 66	A 0. 66	A 0. 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A
49	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A
50	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A
51	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0. 40	A
52	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A
53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A
54	A 0.1 101	A 0. 101	A 0. 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A
55	A 0. 104	A 0. 104	A 0. 104	A 0. 104	A 0. 104	A 0. 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A
56	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 84	A 0. 84	A 0. 84	A
57	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A
58	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A
59	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0.2 97	A 0.1 97	A 0.1 97	A 0.1 97	A
60	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A
61	A 0.1 156	A 0.1 156	A 0.1 156	A 0.1 156	A 0.1 156	A 0.1 156	A 0.2 156	A 0.2 156	A 0.1 169	A 0.2 169	A 0.1 169	A
62	B 0. 96	B 0. 96	B 0. 96	B 0. 96	B 0. 96	B 0. 96	B 0. 96	B 0. 96	B 0. 96	B 0. 96	B 0. 96	B
63	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A
64	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A

Table 15 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade c
65	A 0.1 134	A 0.1 134	A 0.1 134	A 0.1 134	A 0.1 134	A 0.1 134	A 0.2 134	A 0.2 134	A 0.1 134	A 0.1 134	A 0.1 134	A
66	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A
67	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A
68	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A
69	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A
70	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 67	A 0. 67	A 0. 67	A
71	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 14	A 0. 14	A
72	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A
73	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A
74	A 0. 46	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A
75	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A
76	A 0. 39	A 0. 39	A 0. 39	A 0. 47	A 0. 47	A 0. 47	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A
77	A 0.1 67	A 0.1 67	A 0.1 67	C 0. 35	C 0. 35	C 0. 35	A 0.1 67	A 0.1 67	A 0. 71	A 0. 71	A 0. 71	A
78	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A
79	A 0.1 60	A 0.1 60	A 0.1 60	C 0. 33	C 0. 33	C 0. 33	A 0.1 58	A 0.1 58	A 0.1 58	A 0. 58	A 0. 58	A
80	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0. 46	A
81	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A
82	A 0.1 82	A 0.1 82	A 0.1 82	C 0. 33	C 0. 33	C 0. 33	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A
83	A 0.2 86	A 0.2 86	A 0.2 86	A 0. 101	A 0. 101	A 0. 101	A 0.1 86	A 0.1 86	A 0.1 95	A 0.1 95	A 0.1 95	A
84	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A
85	A 0. 42	A 0. 42	A 0. 42	A 0. 52	A 0. 52	A 0. 52	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A
86	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A
87	A 0. 41	A 0. 41	A 0. 41	A 0.1 47	A 0.1 47	A 0.1 47	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A
88	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A
89	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A
90	A 0. 45	A 0. 47	A 0. 47	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A
91	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A
92	A 0. 42	A 0. 42	A 0. 42	C 0. 33	C 0. 33	C 0. 33	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A
93	A 0.1 82	A 0.1 82	A 0.1 82	C 0. 38	C 0. 38	C 0. 38	A 0.2 82	A 0.2 82	A 0.1 82	A 0.1 82	A 0.1 82	A
94	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A
95	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A
96	A 0.2 140	A 0.1 160	A 0.1 160	C 0. 38	C 0. 38	C 0. 38	C 0.1 81	C 0.1 81	C 0. 81	C 0. 81	C 0. 81	C
97	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A
98	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A

Table 15 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade c
99	A 0.1 93	A 0.1 93	A 0.1 93	A 0. 93	A 0. 93	A 0. 93	C 0. 48	C 0. 48	C 0. 48	C 0. 48	C 0. 48	C
100	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A
101	A 0.1 101	A 0.1 101	A 0.1 101	A 0. 68	A 0. 68	A 0. 68	A 0.1 103	A 0.1 103	A 0.1 103	A 0. 103	A 0. 103	A
102	A 0.1 102	A 0.1 102	A 0.1 102	A 0. 108	A 0. 108	A 0. 108	A 0.1 108	A 0.1 108	A 0. 108	A 0. 108	A 0. 108	A
103	A 0.1 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A
104	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A
105	A 0.1 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A
106	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A
107	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A
108	A 0. 38	A 0. 39	A 0. 39	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A
109	A 0.1 56	A 0.1 54	A 0.1 54	C 0. 25	C 0. 25	C 0. 25	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0. 54	A
110	A 0.1 70	A 0.1 70	A 0.1 70	C 0. 25	C 0. 25	C 0. 25	A 0.1 70	A 0.1 70	A 0. 82	A 0. 82	A 0. 82	A
111	A 0.1 81	A 0.1 81	A 0.1 81	C 0. 27	C 0. 27	C 0. 27	A 0.1 81	A 0.1 81	A 0.1 94	A 0. 94	A 0. 94	A
112	A 0. 65	A 0.1 56	A 0.1 56	C 0. 26	C 0. 26	C 0. 26	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0. 56	A
113	A 0. 46	A 0.1 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A
114	A 0.1 62	A 0.1 60	A 0.1 60	C 0. 26	C 0. 26	C 0. 26	A 0.1 60	A 0.1 60	A 0. 71	A 0. 71	A 0. 71	A
115	A 0.1 60	A 0.1 60	A 0.1 60	C 0. 24	C 0. 24	C 0. 24	A 0. 60	A 0.1 60	A 0. 74	A 0. 74	A 0. 74	A
116	B 0.4 227	A 0.1 57	A 0.1 57	A 0.1 69	A 0.1 69	A 0.1 69	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A
117	B 0.2 157	A 0.1 46	A 0. 46	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A
118	B 0.2 171	A 0.1 56	A 0.1 56	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A
119	B 0.3 244	A 0.1 57	A 0.1 57	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A
120	A 0.6 97	A 0.4 107	A 0.4 107	A 0.2 107	A 0.2 107	A 0.2 107	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A
121	B 0.8 414	A 0.1 62	A 0.1 62	A 0.1 69	A 0.1 69	A 0.1 69	A 0. 62	A 0.1 62	A 0. 68	A 0. 68	A 0. 68	A
122	B 2.1 1133	A 0.3 74	A 0.2 74	A 0. 60	A 0. 60	A 0. 60	A 0.1 60	A 0.1 60	A 0. 63	A 0. 63	A 0. 63	A
123	A 0.4 72	A 0.2 83	A 0.2 83	C 0. 49	C 0. 49	C 0. 49	A 0.1 72	A 0.1 72	A 0.1 77	A 0.1 77	A 0. 77	A
124	A 0.6 90	A 0.5 100	A 0.5 100	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 87	A 0.1 87	A 0.1 87	A
125	B 2. 670	A 0.2 70	A 0.2 70	C 0. 28	C 0. 28	C 0. 28	A 0.1 56	A 0.1 56	A 0. 62	A 0. 62	A 0. 62	A
126	A 0.5 76	A 0.3 86	A 0.3 86	A 0. 71	A 0. 71	A 0. 71	A 0.1 71	A 0.1 71	A 0.1 72	A 0.1 72	A 0. 72	A
127	B 2.2 730	A 0.2 72	A 0.2 72	C 0. 28	C 0. 28	C 0. 28	A 0. 57	A 0.1 57	A 0. 63	A 0. 63	A 0. 63	A
128	A 0.4 29	A 0.1 29	A 0.1 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A
129	A 0.4 40	A 0.1 40	A 0.1 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A
130	A 0.4 73	A 0.3 82	A 0.3 82	C 0. 51	C 0. 51	C 0. 51	A 0.2 72	A 0.2 72	A 0.1 91	A 0.1 91	A 0.1 91	A
131	A 0.4 60	A 0.2 70	A 0.2 70	A 0.2 82	A 0.2 82	A 0.2 82	A 0.1 60	A 0.1 60	A 0.1 80	A 0.1 80	A 0.1 80	A
132	A 0.4 41	A 0.1 41	A 0.1 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A

Table 15 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade c
133	B 2. 1123	A 0.2 74	A 0.2 74	A 0. 60	A 0. 60	A 0. 60	A 0.1 60	A 0.1 60	A 0. 63	A 0. 63	A 0. 63	A
134	B 0.4 302	A 0.1 50	A 0.1 50	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A
135	B 3.2 753	A 0.1 21	A 0.1 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A
136	A 0.4 39	A 0.1 39	A 0.1 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A
137	A 0.3 58	A 0.1 58	A 0.1 58	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 70	A 0.1 70	A 0.1 70	A
138	B 6.8 1408	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A
139	B 2. 1157	A 0.2 76	A 0.2 76	A 0. 61	A 0. 61	A 0. 61	A 0.1 61	A 0.1 61	A 0.1 65	A 0. 65	A 0. 65	A
140	B 3.1 865	A 0.3 75	A 0.2 75	C 0. 30	C 0. 30	C 0. 30	A 0.1 60	A 0.1 60	A 0.1 75	A 0.1 75	A 0. 75	A
141	B 0.3 334	A 0.1 60	A 0.1 60	A 0. 45	A 0. 45	A 0. 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0. 45	A
142	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A
143	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A
144	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A
145	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A
146	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A
147	A 0. 103	A 0.1 103	A 0.1 103	A 0. 103	A 0. 103	A 0. 103	A 0. 103	A 0. 103	A 0. 103	A 0. 103	A 0. 103	A
148	A 0.1 127	A 0.1 127	A 0.1 127	C 0. 25	C 0. 25	C 0. 25	A 0.1 127	A 0.1 127	A 0.1 127	A 0.1 127	A 0. 127	A
149	A 0.2 179	A 0.2 134	A 0.2 134	C 0. 27	C 0. 27	C 0. 27	A 0.1 134	A 0.1 134	A 0.1 134	A 0.1 134	A 0.1 134	A
150	A 0.2 246	A 0.2 142	A 0.2 142	C 0. 27	C 0. 27	C 0. 27	A 0.1 154	A 0.1 154	A 0.1 154	A 0.1 154	A 0.1 154	A
151	A 0.2 142	A 0.1 142	A 0.2 142	C 0. 27	C 0. 27	C 0. 27	A 0.1 153	A 0.1 153	A 0.1 153	A 0.1 153	A 0.1 153	A
152	A 0.1 58	A 0.1 58	A 0.1 58	A 0. 58	A 0. 58	A 0. 58	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A
153	A 0.3 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A
154	A 0.2 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	B 0.2 125	B 0.2 125	B 0.1 125	B 0.2 125	B 0.1 125	B
155	A 0.3 46	A 0.1 46	A 0.1 46	A 0. 46	A 0. 46	A 0. 46	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A
156	A 0.3 48	A 0.1 48	A 0.1 48	A 0. 48	A 0. 48	A 0. 48	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A
157	A 0.3 48	A 0.1 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A
158	A 0.3 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A
159	A 0.3 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A
160	A 0.3 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A
161	A 0.3 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A
162	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A
163	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A
164	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 23	A
165	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A
166	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A

Table 15 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8		
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade	
167	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A	
168	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A	
169	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 18	A
170	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A
171	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A
172	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A
173	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A
174	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A
175	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A
176	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A
177	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A
178	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A
179	A 0. 39	A 0.1 39	A 0.1 39	A 0. 37	A 0. 37	A 0. 37	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A
180	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A
181	A 0. 47	A 0.1 51	A 0.1 51	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A
182	A 0.1 53	A 0.1 53	A 0.1 53	A 0. 50	A 0. 50	A 0. 50	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A
183	A 0. 25	A 0. 25	A 0. 25	A 0. 23	A 0. 23	A 0. 23	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A
184	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A
185	A 0.1 40	A 0.1 40	A 0.1 40	A 0. 40	A 0. 40	A 0. 40	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A
186	A 0.1 46	A 0.1 46	A 0.1 46	A 0. 54	A 0. 54	A 0. 54	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A
187	A 0.1 49	A 0.1 49	A 0.1 49	C 0. 37	C 0. 37	C 0. 37	A 0. 45	A 0. 45	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A
188	A 0. 42	A 0.1 42	A 0. 42	C 0. 37	C 0. 37	C 0. 37	A 0. 38	A 0. 38	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A
189	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A
190	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A
191	A 0. 46	A 0.1 46	A 0.1 46	A 0.1 49	A 0.1 49	A 0.1 49	A 0. 42	A 0. 42	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A
192	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A
193	A 0. 23	A 0. 24	A 0. 24	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A
194	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A
195	A 0.3 114	A 0.3 114	A 0.3 114	A 0.1 114	A 0.1 114	A 0.1 114	A 0.2 91	A 0.2 91	A 0.2 91	A 0.2 91	A 0.2 91	A 0.1 91	A
196	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A
197	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A
198	A 0.2 68	A 0.2 68	A 0.2 68	A 0. 76	A 0. 76	A 0. 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A
199	A 0. 24	B 0. 27	B 0. 27	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A
200	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A



Table 15 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			grade
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade			
201	A	0.1	21	A	0.1	21	A	0.1	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A
202	C	0.	70	C	0.	70	C	0.	70	C	0.	70	C	0.	70	C	0.	70	C	0.1	103	C	0.1	103	C	0.1	103	C	0.1	103	C	0.1	103	C
203	A	2.3	31	A	2.5	31	A	2.4	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A
204	C	0.	70	C	0.	70	C	0.	70	C	0.	70	C	0.	70	C	0.	70	C	0.1	93	C	0.1	93	C	0.1	93	C	0.1	93	C	0.1	93	C
205	C	0.	70	C	0.	70	C	0.	70	C	0.	70	C	0.	70	C	0.	70	C	0.1	73	C	0.1	73	C	0.	73	C	0.	73	C	0.	73	C
206	C	0.	70	C	0.	70	C	0.	70	C	0.	70	C	0.	70	C	0.	70	C	0.1	76	C	0.1	76	C	0.1	76	C	0.1	76	C	0.1	76	C
207	C	0.	70	C	0.	70	C	0.	70	C	0.	70	C	0.	70	C	0.	70	C	0.1	103	C	0.1	103	C	0.1	103	C	0.1	103	C	0.1	103	C
208	C	0.	68	C	0.	68	C	0.	68	C	0.	68	C	0.	68	C	0.	68	C	0.1	79	C	0.1	79	C	0.1	79	C	0.1	79	C	0.1	79	C
209	C	1.	70	C	1.1	70	C	1.1	70	C	0.	70	C	0.	70	C	0.	70	C	0.1	72	C	0.1	72	C	0.1	72	C	0.1	72	C	0.	72	C
210	C	0.7	70	C	0.7	70	C	0.7	70	C	0.	70	C	0.	70	C	0.	70	C	0.1	71	C	0.1	71	C	0.	71	C	0.	71	C	0.	71	C
211	C	0.	70	C	0.	70	C	0.	70	C	0.	70	C	0.	70	C	0.	70	C	0.1	84	C	0.1	84	C	0.1	84	C	0.1	84	C	0.1	84	C
212	A	0.6	77	A	0.1	77	A	0.1	77	A	0.	77	A	0.	77	A	0.	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.	77	A
213	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A
214	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A
215	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A
216	B	0.	217	B	0.	217	B	0.	217	B	0.	217	B	0.	217	B	0.	217	B	0.1	217	B	0.1	217	B	0.	217	B	0.	217	B	0.	217	B
217	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A
218	A	0.	97	A	0.	97	A	0.	97	A	0.	97	A	0.	97	A	0.	97	A	0.1	97	A	0.1	97	A	0.1	97	A	0.	97	A	0.	97	A
219	A	0.	97	A	0.	97	A	0.	97	A	0.	97	A	0.	97	A	0.	97	A	0.	97	A	0.1	97	A	0.	97	A	0.	97	A	0.	97	A
220	B	0.1	785	B	0.1	785	B	0.1	785	B	0.1	785	B	0.1	785	B	0.1	785	B	0.2	785	B	0.2	785	B	0.2	785	B	0.1	785	B	0.1	785	B
221	B	0.	473	B	0.	473	B	0.	473	B	0.1	473	B	0.1	473	B	0.1	473	B	0.1	473	B	0.1	473	B	0.1	473	B	0.1	473	B	0.1	473	B
222	A	0.1	304	A	0.1	304	A	0.1	304	A	0.1	304	A	0.1	304	A	0.2	304	A	0.3	304	A	0.3	304	A	0.2	304	A	0.2	304	A	0.1	304	A
223	B	0.1	388	B	0.1	388	B	0.1	388	B	0.1	388	B	0.1	388	B	0.1	388	B	0.2	388	B	0.2	388	B	0.2	388	B	0.2	388	B	0.2	388	B
224	B	0.1	353	B	0.1	353	B	0.1	353	B	0.1	353	B	0.1	353	B	0.2	353	B	0.3	353	B	0.3	353	B	0.3	353	B	0.2	353	B	0.1	353	B
225	B	0.1	371	B	0.1	371	B	0.1	371	B	0.1	371	B	0.1	371	B	0.2	371	B	0.3	371	B	0.3	371	B	0.3	371	B	0.2	371	B	0.1	371	B
226	B	0.1	1397	B	0.1	1397	B	0.1	1397	B	0.2	1397	B	0.2	1397	B	0.2	1397	B	0.3	1397	B	0.3	1397	B	0.4	1397	B	0.3	1397	B	0.3	1397	B
227	A	0.1	265	A	0.1	265	A	0.1	265	A	0.2	265	A	0.2	265	A	0.3	265	A	0.4	265	A	0.5	265	A	0.4	265	A	0.4	265	A	0.3	265	A
228	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.1	74	A	0.	74	A	0.	74	A	0.	74	A
229	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A
230	A	0.	67	A	0.	67	A	0.	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	82	A	0.1	82	A	0.1	82	A
231	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A
232	B	0.1	474	B	0.1	474	B	0.1	474	B	0.2	474	B	0.2	474	B	0.2	474	B	0.4	474	B	0.4	474	B	0.4	474	B	0.3	474	B	0.3	474	B
233	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A
234	A	0.1	213	A	0.1	213	A	0.1	213	A	0.2	213	A	0.2	213	A	0.2	213	A	0.4	213	A	0.4	213	A	0.4	213	A	0.4	213	A	0.5	213	A

Table 15 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			grade
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade			
235	A	0.2	69	A	0.2	69	A	0.2	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A
236	A	0.5	131	A	0.6	131	A	0.6	131	C	0.	52	C	0.	52	C	0.	52	A	0.2	130	A	0.2	130	A	0.2	130	A	0.2	130	A	0.1	130	A
237	A	1.1	224	A	1.3	224	A	1.2	224	C	0.	52	C	0.	52	C	0.	52	A	0.3	171	A	0.4	171	A	0.4	162	A	0.5	162	A	0.3	162	A
238	A	0.1	217	A	0.1	217	A	0.1	217	A	0.1	123	A	0.2	123	A	0.2	123	A	0.2	217	A	0.3	217	A	0.2	217	A	0.2	217	A	0.2	217	A
239	A	0.7	173	A	0.9	171	A	0.8	171	C	0.	52	C	0.	52	C	0.	52	A	0.2	149	A	0.3	149	A	0.4	140	A	0.4	140	A	0.3	140	A
240	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	79	A	0.1	79	A	0.1	79	A	0.2	102	A	0.2	102	A	0.1	102	A	0.1	102	A	0.1	102	A
241	A	0.9	224	A	1.2	222	A	1.2	222	C	0.	52	C	0.	52	C	0.	52	A	0.3	171	A	0.4	171	A	0.6	162	A	0.6	162	A	0.4	162	A
242	A	0.	43	A	0.1	43	A	0.1	43	C	0.	28	C	0.	28	C	0.	28	A	0.	42	A	0.	42	A	0.	47	A	0.	47	A	0.	47	A
243	A	0.1	214	A	0.1	214	A	0.1	214	A	0.1	123	A	0.1	123	A	0.1	123	A	0.2	214	A	0.2	214	A	0.2	214	A	0.2	214	A	0.1	214	A
244	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	99	A
245	A	0.3	90	A	0.3	90	A	0.3	90	C	0.	48	C	0.	48	C	0.	48	A	0.2	90	A	0.2	90	A	0.2	90	A	0.2	90	A	0.2	90	A
246	A	0.1	217	A	0.1	217	A	0.1	217	A	0.1	123	A	0.1	123	A	0.1	123	A	0.3	157	A	0.3	157	A	0.3	157	A	0.2	157	A	0.2	157	A
247	A	0.1	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.1	64	A	0.1	64	A	0.1	61	A	0.1	61	A	0.	61	A
248	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A
249	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A
250	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A
251	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A
252	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A
253	A	0.2	154	A	0.2	154	A	0.2	154	A	0.1	154	A	0.1	154	A	0.1	154	C	0.	46	C	0.	46	C	0.	46	C	0.	46	C	0.	46	C
254	A	0.	95	A	0.	95	A	0.	95	A	0.1	118	A	0.3	118	A	0.3	118	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A
255	A	0.1	46	A	0.1	46	A	0.1	46	A	0.	46	A	0.	46	A	0.	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A
256	A	0.2	118	A	0.2	118	A	0.2	118	A	0.1	118	A	0.1	118	A	0.1	118	A	0.2	118	A	0.2	118	A	0.2	118	A	0.1	118	A	0.1	118	A
257	A	0.2	86	A	0.2	86	A	0.2	86	C	0.1	71	C	0.1	71	C	0.1	71	A	0.2	101	A	0.2	101	A	0.2	101	A	0.1	101	A	0.1	101	A
258	A	0.1	81	A	0.1	81	A	0.1	81	C	0.	73	C	0.	73	C	0.	73	A	0.2	93	A	0.2	93	A	0.1	93	A	0.1	93	A	0.1	93	A
259	A	0.2	124	A	0.2	124	A	0.2	124	C	0.1	71	C	0.1	71	C	0.1	71	A	0.2	138	A	0.2	138	A	0.2	138	A	0.1	138	A	0.1	138	A
260	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A
261	A	0.1	45	A	0.1	45	A	0.1	45	A	0.	46	A	0.	46	A	0.	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.	46	A	0.	46	A
262	A	0.1	66	A	0.1	66	A	0.1	66	A	0.4	95	A	0.3	95	A	0.4	95	A	0.1	78	A	0.1	78	A	0.1	78	A	0.	78	A	0.	78	A
263	A	0.2	114	A	0.2	114	A	0.2	114	A	0.	114	A	0.	114	A	0.	114	A	0.2	112	A	0.2	112	A	0.2	112	A	0.2	112	A	0.1	112	A
264	A	0.	25	A	0.	25	A	0.	25	B	0.	39	B	0.	39	B	0.	39	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A
265	B	0.1	54	B	0.	44	B	0.	44	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A
266	A	0.	25	A	0.	25	A	0.	25	B	0.	39	B	0.	39	B	0.	39	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A
267	A	0.	25	A	0.	25	A	0.	25	B	0.	39	B	0.	39	B	0.	39	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A
268	A	0.	25	A	0.	25	A	0.	25	A	0.	15	A	0.	15	B	0.	35	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A

Table 15 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			grade
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade			
269	A	0.	25	A	0.	25	A	0.	25	A	0.	15	A	0.	15	B	0.	35	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A
270	A	0.	25	A	0.	25	A	0.	25	A	0.	41	A	0.	41	A	0.	41	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A
271	A	0.	33	A	0.	33	A	0.	33	B	0.	53	B	0.	53	B	0.	53	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A
272	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	67	A	0.1	67	A	0.	67	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.	45	A
273	C	0.	71	C	0.	71	C	0.	71	C	0.	71	C	0.	71	C	0.	71	C	0.1	83	C	0.1	83	C	0.1	83	C	0.1	83	C	0.1	83	C
274	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.2	102	C	0.2	102	C	0.2	102	C	0.2	102	C	0.2	102	C
275	A	0.3	209	A	0.3	209	A	0.3	209	C	0.	71	C	0.	71	C	0.	71	C	0.1	74	C	0.1	74	C	0.1	74	C	0.1	74	C	0.1	74	C
276	A	0.6	249	A	0.5	249	A	0.5	249	C	0.	73	C	0.	73	C	0.	73	C	0.2	107	C	0.2	107	C	0.2	107	C	0.2	107	C	0.2	107	C
277	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.3	137	C	0.3	137	C	0.3	137	C	0.3	137	C	0.2	137	C
278	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.2	106	C	0.2	106	C	0.2	106	C	0.2	106	C	0.1	106	C
279	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.2	76	C	0.2	76	C	0.2	76	C	0.1	76	C	0.1	76	C
280	A	0.5	247	A	0.5	247	A	0.5	247	C	0.1	73	C	0.1	73	C	0.1	73	C	0.4	95	C	0.4	95	C	0.3	95	C	0.3	95	C	0.3	95	C
281	A	0.2	209	A	0.2	209	A	0.2	209	C	0.	73	C	0.	73	C	0.	73	C	0.2	90	C	0.2	90	C	0.2	90	C	0.1	90	C	0.1	90	C
282	C	0.	73	C	0.1	73	C	0.	73	C	0.1	73	C	0.1	73	C	0.1	73	C	0.3	131	C	0.3	131	C	0.3	131	C	0.3	131	C	0.2	131	C
283	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.1	87	C	0.2	87	C	0.1	87	C	0.1	87	C	0.1	87	C
284	B	0.1	158	B	0.1	158	B	0.1	158	C	0.	48	C	0.	48	C	0.	48	C	0.	50	C	0.	50	C	0.	50	C	0.	50	C	0.	50	C
285	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.2	110	C	0.2	110	C	0.2	110	C	0.2	110	C	0.2	110	C
286	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.2	107	C	0.2	107	C	0.2	107	C	0.2	107	C	0.2	107	C
287	C	0.	71	C	0.	71	C	0.	71	C	0.	71	C	0.	71	C	0.	71	C	0.1	83	C	0.1	83	C	0.1	83	C	0.1	83	C	0.1	83	C
288	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.2	102	C	0.3	102	C	0.2	102	C	0.2	102	C	0.2	102	C
289	C	0.	71	C	0.	71	C	0.	71	C	0.	71	C	0.	71	C	0.	71	C	0.1	81	C	0.1	81	C	0.1	81	C	0.1	81	C	0.1	81	C
290	C	0.	73	C	0.	73	C	0.	73	C	0.1	73	C	0.1	73	C	0.1	73	C	0.3	131	C	0.3	131	C	0.3	131	C	0.2	131	C	0.2	131	C
291	C	0.	73	C	0.1	73	C	0.	73	C	0.1	73	C	0.1	73	C	0.1	73	C	0.3	181	C	0.4	181	C	0.4	166	C	0.4	166	C	0.3	166	C
292	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.3	139	C	0.3	139	C	0.3	139	C	0.3	139	C	0.2	139	C
293	C	0.	71	C	0.	71	C	0.	71	C	0.1	71	C	0.	71	C	0.1	71	C	0.2	115	C	0.2	115	C	0.2	115	C	0.2	115	C	0.2	115	C
294	C	0.	71	C	0.	71	C	0.	71	C	0.	71	C	0.	71	C	0.1	71	C	0.2	111	C	0.2	111	C	0.2	111	C	0.2	111	C	0.2	111	C
295	A	0.4	143	A	0.3	143	A	0.3	143	C	0.	73	C	0.	73	C	0.	73	C	0.2	108	C	0.2	108	C	0.2	108	C	0.2	108	C	0.2	108	C
296	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.2	102	C	0.2	102	C	0.2	102	C	0.2	102	C	0.2	102	C
297	A	0.7	116	A	0.8	116	A	0.8	116	A	0.	116	A	0.	116	A	0.	116	A	0.2	95	A	0.2	95	A	0.2	97	A	0.2	97	A	0.1	97	A
298	A	0.3	140	A	0.3	140	A	0.3	140	C	0.	73	C	0.	73	C	0.	73	C	0.4	99	C	0.4	99	C	0.4	99	C	0.3	99	C	0.3	99	C
299	A	0.6	116	A	0.6	116	A	0.6	116	A	0.	116	A	0.	116	A	0.	116	A	0.3	97	A	0.3	97	A	0.2	97	A	0.2	97	A	0.2	97	A
300	C	0.	71	C	0.	71	C	0.	71	C	0.	71	C	0.	71	C	0.	71	C	0.3	102	C	0.3	102	C	0.3	103	C	0.3	103	C	0.2	103	C
301	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.	73	C	0.3	139	C	0.3	139	C	0.3	139	C	0.3	139	C	0.2	139	C
302	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.2	84	A	0.2	84	A	0.2	84	A	0.1	84	A	0.1	84	A

Table 15 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
303	C 0. 73	C 0. 73	C 0. 73	C 0. 73	C 0. 73	C 0. 73	C 0.2 110	C 0.2 110	C 0.2 110	C 0.2 110	C 0.2 110	C
304	C 0. 71	C 0. 71	C 0. 71	C 0. 71	C 0. 71	C 0. 71	C 0.1 74	C 0.1 74	C 0.1 74	C 0.1 74	C 0.1 74	C
305	C 0. 71	C 0. 71	C 0. 71	C 0. 71	C 0. 71	C 0. 71	C 0.1 84	C 0.1 84	C 0.1 84	C 0.1 84	C 0.1 84	C
306	C 0. 73	C 0. 73	C 0. 73	C 0.1 73	C 0.1 73	C 0.1 73	C 0.3 132	C 0.4 132	C 0.3 132	C 0.3 132	C 0.2 132	C
307	A 1. 294	A 0.9 294	A 0.8 294	C 0. 73	C 0. 73	C 0. 73	C 0.2 76	C 0.2 76	C 0.2 76	C 0.2 76	C 0.2 76	C
308	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A
309	A 0.7 274	A 0.6 274	A 0.6 274	C 0.1 73	C 0.1 73	C 0.1 73	C 0.2 90	C 0.2 90	C 0.2 89	C 0.1 89	C 0.1 89	C
310	A 0.3 46	A 0.3 46	A 0.3 46	A 0. 46	A 0. 46	A 0. 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A
311	A 1.6 118	A 1.7 118	A 1.6 118	A 0.1 118	A 0.1 118	A 0.1 118	A 0.2 118	A 0.2 118	A 0.2 118	A 0.1 118	A 0.1 118	A
312	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0.2 87	A 0.2 87	A 0.2 87	A 0.1 87	A 0.1 87	A
313	A 0. 73	A 0. 73	A 0. 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.3 99	A 0.3 99	A 0.3 99	A 0.3 99	A 0.2 99	A
314	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0.2 108	A 0.2 108	A 0.2 107	A 0.2 107	A 0.2 107	A
315	A 1. 317	A 1. 317	A 1. 317	C 0. 73	C 0. 73	C 0. 73	C 0.2 108	C 0.2 108	C 0.2 108	C 0.2 108	C 0.2 108	C
316	A 1. 318	A 1. 318	A 0.9 318	C 0. 73	C 0. 73	C 0. 73	C 0.4 99	C 0.4 99	C 0.4 99	C 0.3 99	C 0.3 99	C
317	A 0.2 46	A 0.2 46	A 0.2 46	A 0. 46	A 0. 46	A 0. 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A
318	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A
319	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0.3 145	A 0.3 145	A 0.3 158	A 0.2 158	A 0.2 158	A
320	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0.3 117	A 0.3 117	A 0.2 117	A 0.2 117	A 0.2 117	A
321	A 0.3 77	A 0.4 77	A 0.3 77	A 0. 77	A 0. 77	A 0. 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A
322	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0.3 102	A 0.4 102	A 0.3 103	A 0.3 103	A 0.2 103	A
323	A 0.3 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
324	A 0.3 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 42	A 0. 42	A 0. 42	A
325	A 0.3 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
326	A 0.3 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A
327	A 0.3 35	A 0.1 35	A 0.1 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A
328	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A
329	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A
330	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A
331	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A
332	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A
333	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A
334	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A

## 2.14 1\_Algebraic\_functions\1.1Binomialproducts\1.1.1Linear\1.1.1.3(a+bx)^m(c+dx)^n(e+fx)^p

Table 16: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47
2	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48
3	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41
4	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42
5	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42
6	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47
7	A 0. 87	A 0. 87	A 0. 87	A 0. 87	A 0. 87	A 0. 87	A 0. 87	A 0. 87	A 0. 87	A 0. 87	A 0. 87
8	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73
9	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0. 79
10	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73
11	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68
12	B 0. 112	B 0. 112	B 0. 112	B 0. 112	B 0. 112	B 0. 112	B 0. 112	B 0. 112	B 0. 112	B 0. 112	B 0. 112
13	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
14	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 35
15	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
16	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 44	A 0. 44	A 0. 44
17	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50
18	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75
19	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69
20	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69
21	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69
22	A 0. 106	A 0. 106	A 0. 106	A 0. 106	A 0. 106	A 0. 106	A 0.1 106	A 0.1 106	A 0.1 109	A 0.1 109	A 0. 109
23	A 0. 107	A 0. 107	A 0. 107	A 0. 107	A 0. 107	A 0. 107	A 0.1 107	A 0.1 107	A 0. 107	A 0. 107	A 0. 107
24	A 0.1 209	A 0.1 209	A 0.1 209	A 0.1 209	A 0.1 209	A 0.1 209	A 0.2 209	A 0.2 209	A 0.1 219	A 0.1 219	A 0.1 219
25	A 0.1 206	A 0.1 206	A 0.1 206	A 0.1 206	A 0.1 206	A 0.1 206	A 0.2 206	A 0.2 206	A 0.1 216	A 0.1 216	A 0.1 216
26	A 0.1 210	A 0. 210	A 0. 210	A 0.1 210	A 0.1 210	A 0.1 210	A 0.2 210	A 0.2 210	A 0.1 207	A 0.1 207	A 0.1 207
27	A 0.1 210	A 0.1 210	A 0.1 210	A 0.1 210	A 0.1 210	A 0.1 210	A 0.2 210	A 0.2 210	A 0.1 207	A 0.1 207	A 0.1 207
28	B 0. 199	B 0. 199	B 0. 199	B 0.1 199	B 0.1 199	B 0.1 199	B 0.1 199	B 0.1 199	B 0.1 199	B 0.1 199	B 0.1 199
29	A 0. 222	A 0. 222	A 0. 222	A 0.1 222	A 0.1 222	A 0.1 222	A 0.1 222	A 0.1 222	A 0.1 202	A 0.1 202	A 0.1 202
30	B 0. 355	B 0. 355	B 0. 355	B 0.1 355	B 0.1 355	B 0.1 355	B 0.1 355	B 0.1 355	B 0.1 355	B 0.1 355	B 0.1 355

Table 16 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	B	0.	42	B	0.	42	B	0.	42	B	0.	42	B	0.	42	B	0.	42	B	0.	42	B	0.	42	B	0.	42	B	0.	42	B	0.	42
32	A	0.	80	A	0.	80	A	0.	80	A	0.	80	A	0.	80	A	0.	80	A	0.1	80	A	0.1	80	A	0.	80	A	0.	80	A	0.	80
33	A	0.1	100	A	0.	100	A	0.	100	A	0.1	100	A	0.1	100	A	0.1	100	A	0.1	100	A	0.1	100	A	0.1	106	A	0.1	106	A	0.	106
34	A	0.	87	A	0.	87	A	0.	87	A	0.1	87	A	0.1	87	A	0.1	87	A	0.1	87	A	0.1	87	A	0.1	87	A	0.1	87	A	0.1	87
35	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.	56
36	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.2	106	A	0.2	106	A	0.1	106	A	0.1	106	A	0.1	106
37	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75
38	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42
39	A	0.1	127	A	0.1	127	A	0.1	127	A	0.1	127	A	0.1	127	A	0.1	127	A	0.1	127	A	0.2	127	A	0.1	133	A	0.1	133	A	0.1	133
40	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.1	74	A	0.	74	A	0.	74	A	0.	74
41	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59
42	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	86	A	0.1	86	A	0.1	86
43	A	0.	133	A	0.	133	A	0.	133	A	0.1	133	A	0.1	133	A	0.1	133	A	0.1	133	A	0.1	133	A	0.1	135	A	0.1	135	A	0.1	135
44	A	0.	105	A	0.	105	A	0.	105	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	109	A	0.1	109	A	0.1	109
45	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38
46	A	0.	77	A	0.	77	A	0.	77	A	0.	77	A	0.	77	A	0.	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77
47	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53
48	A	0.1	114	A	0.	114	A	0.	114	A	0.1	114	A	0.1	114	A	0.1	114	A	0.1	114	A	0.2	114	A	0.1	114	A	0.1	114	A	0.1	114
49	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60
50	A	0.	100	A	0.	100	A	0.	100	A	0.1	100	A	0.1	100	A	0.1	100	A	0.1	100	A	0.1	100	A	0.1	100	A	0.1	100	A	0.1	100
51	A	0.1	79	A	0.	79	A	0.	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79
52	A	0.2	173	A	0.1	173	A	0.1	173	A	0.2	173	A	0.2	173	A	0.3	173	A	0.4	173	A	0.5	173	A	0.4	173	A	0.4	173	A	0.3	173
53	A	0.1	160	A	0.1	160	A	0.1	160	A	0.1	160	A	0.1	160	A	0.1	160	A	0.1	160	A	0.2	160	A	0.1	160	A	0.1	160	A	0.1	160
54	A	0.1	138	A	0.1	138	A	0.1	138	A	0.2	138	A	0.2	138	A	0.2	138	A	0.3	138	A	0.3	138	A	0.2	138	A	0.2	138	A	0.2	138
55	A	0.3	241	A	0.2	241	A	0.2	241	A	0.4	241	A	0.4	241	A	0.5	241	A	0.8	241	A	0.9	241	A	0.7	241	A	0.7	241	A	0.5	241
56	A	0.2	213	A	0.2	213	A	0.2	213	A	0.4	213	A	0.4	213	A	0.4	213	A	0.6	213	A	0.7	213	A	0.5	213	A	0.4	213	A	0.3	213
57	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70
58	A	0.2	120	A	0.2	120	A	0.2	120	A	0.1	120	A	0.1	120	A	0.1	120	A	0.2	120	A	0.2	120	A	0.1	123	A	0.1	123	A	0.1	123
59	A	0.	49	A	0.1	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.1	49	A	0.1	49	A	0.	49	A	0.	49	A	0.	49
60	A	0.1	83	A	0.1	83	A	0.1	83	C	0.	44	C	0.	44	C	0.	44	A	0.1	83	A	0.1	83	A	0.1	90	A	0.1	90	A	0.1	90
61	A	0.1	67	A	0.1	67	A	0.1	67	C	0.	59	C	0.	59	C	0.	59	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67
62	A	0.1	112	A	0.1	112	A	0.1	112	C	0.	64	C	0.	64	C	0.	64	A	0.2	112	A	0.2	112	A	0.2	112	A	0.2	112	A	0.1	112
63	A	0.2	129	A	0.2	129	A	0.2	129	C	0.	61	C	0.	61	C	0.	61	A	0.2	129	A	0.2	129	A	0.2	129	A	0.2	129	A	0.1	129
64	A	0.2	110	A	0.2	110	A	0.2	110	C	0.	61	C	0.	61	C	0.	61	A	0.2	110	A	0.2	110	A	0.2	110	A	0.2	110	A	0.1	110

Table 16 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
65	A	0.1	93	A	0.1	93	A	0.1	93	C	0.	59	C	0.	59	C	0.	59	A	0.1	93	A	0.1	93	A	0.1	93	A	0.1	93	A	0.1	93
66	A	0.2	133	A	0.2	133	A	0.2	133	C	0.	61	C	0.	61	C	0.	61	A	0.2	133	A	0.2	133	A	0.2	133	A	0.2	133	A	0.1	133
67	A	0.4	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65
68	A	0.1	63	A	0.1	63	A	0.1	63	A	0.	63	A	0.	63	A	0.	63	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60
69	A	0.1	71	A	0.1	71	A	0.1	71	A	0.	71	A	0.	71	A	0.	71	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60
70	A	0.7	216	A	0.5	216	A	0.5	216	A	0.2	216	A	0.2	216	A	0.2	216	A	0.3	217	A	0.4	217	A	0.3	217	A	0.3	217	A	0.2	217
71	A	0.4	169	A	0.2	169	A	0.2	169	A	0.2	169	A	0.2	169	A	0.2	169	C	0.4	142	C	0.1	40	C	0.1	40	C	0.1	40	A	0.1	129
72	A	0.3	77	A	0.1	77	A	0.1	77	A	0.	77	A	0.	77	A	0.	77	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52
73	A	0.2	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90
74	A	0.4	87	A	0.1	87	A	0.1	87	A	0.	87	A	0.	87	A	0.	87	C	0.3	144	C	0.1	40	C	0.1	40	C	0.1	40	A	0.1	104
75	A	0.4	87	A	0.1	87	A	0.1	87	A	0.	87	A	0.	87	A	0.	87	C	0.4	144	C	0.1	40	C	0.1	40	C	0.1	40	A	0.2	137
76	A	0.3	112	A	0.1	112	A	0.1	112	A	0.	112	A	0.	112	A	0.	112	A	0.1	112	A	0.1	112	A	0.1	112	A	0.1	112	A	0.1	112
77	A	0.	50	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.1	49	A	0.	49	A	0.	49	A	0.	49
78	A	0.2	94	A	0.2	92	A	0.2	92	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	93	A	0.2	93	A	0.1	93	A	0.1	95	A	0.1	95
79	A	0.2	128	A	0.2	128	A	0.2	128	C	0.	57	C	0.	57	C	0.	57	A	0.2	128	A	0.2	128	A	0.2	133	A	0.1	133	A	0.1	133
80	A	0.1	91	A	0.1	88	A	0.1	88	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	91	A	0.1	91	A	0.1	94	A	0.1	94	A	0.1	94
81	A	0.	50	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48
82	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29
83	A	0.1	86	A	0.	86	A	0.1	86	A	0.1	86	A	0.1	86	A	0.1	86	A	0.1	86	A	0.1	86	A	0.1	86	A	0.1	86	A	0.1	86
84	A	0.	63	A	0.	63	A	0.	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63
85	A	0.1	62	A	0.1	64	A	0.1	64	C	0.	56	C	0.	56	C	0.	56	A	0.2	63	A	0.2	63	A	0.2	63	A	0.2	63	A	0.1	63
86	A	0.2	107	A	0.2	107	A	0.2	107	C	0.	56	C	0.	56	C	0.	56	A	0.2	107	A	0.2	107	A	0.2	107	A	0.2	107	A	0.1	107
87	A	0.3	151	A	0.3	151	A	0.3	151	C	0.	58	C	0.	58	C	0.	58	A	0.4	151	A	0.5	151	A	0.4	151	A	0.3	151	A	0.3	151
88	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	62	A	0.1	62	A	0.1	62	A	0.1	62	A	0.1	62
89	A	0.5	196	A	0.3	196	A	0.3	196	A	0.4	197	A	0.4	197	A	0.4	197	A	0.3	196	A	0.3	196	A	0.3	196	A	0.3	196	A	0.2	196
90	A	0.3	114	A	0.3	114	A	0.3	114	A	0.1	114	A	0.1	114	A	0.1	114	A	0.1	115	A	0.2	115	A	0.1	115	A	0.1	115	A	0.1	115
91	A	0.7	139	A	0.7	139	A	0.7	139	A	0.2	127	A	0.2	127	A	0.2	127	A	0.4	140	A	0.5	140	A	0.3	141	A	0.3	141	A	0.3	141
92	A	0.6	179	A	0.7	179	A	0.7	179	A	0.3	192	A	0.3	192	A	0.3	192	A	0.4	164	A	0.4	164	A	0.3	164	A	0.4	164	A	0.3	164
93	A	0.6	96	A	0.4	105	A	0.4	105	A	0.2	106	A	0.2	106	A	0.2	106	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	99
94	A	0.3	36	A	0.1	36	A	0.1	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.1	36	A	0.	36	A	0.	36	A	0.	36
95	A	0.4	95	A	0.2	95	A	0.2	95	A	0.	95	A	0.	95	A	0.	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95
96	A	0.4	76	A	0.3	76	A	0.3	76	A	0.	76	A	0.	76	A	0.	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76
97	A	0.7	135	A	0.7	175	A	0.7	175	A	0.3	145	A	0.3	145	A	0.3	145	A	0.2	138	A	0.2	138	A	0.2	138	A	0.1	138	A	0.1	138
98	A	0.4	114	A	0.1	114	A	0.1	114	A	0.1	114	A	0.	114	A	0.1	114	A	0.2	114	A	0.2	114	A	0.2	114	A	0.1	114	A	0.1	114

Table 16 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
99	B	0.4	178	A	0.1	67	A	0.1	67	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59
100	A	0.6	135	A	0.6	145	A	0.6	145	A	0.2	151	A	0.2	151	A	0.2	151	A	0.2	138	A	0.2	138	A	0.2	138	A	0.2	138	A	0.2	138
101	A	0.7	133	A	0.2	133	A	0.2	133	A	0.1	133	A	0.1	133	A	0.1	133	A	0.2	133	A	0.2	133	A	0.2	133	A	0.1	133	A	0.1	133
102	A	0.6	133	A	0.6	143	A	0.5	143	C	0.1	80	C	0.1	80	C	0.1	80	A	0.2	136	A	0.2	136	A	0.2	136	A	0.2	136	A	0.1	136
103	A	1.4	258	A	0.8	258	A	0.8	258	A	1.1	282	A	1.1	282	A	1.2	282	A	0.3	264	A	0.3	264	A	0.3	264	A	0.2	271	A	0.2	271
104	A	0.2	127	A	0.2	127	A	0.2	127	A	0.4	152	A	0.4	152	A	0.4	152	A	0.1	140	A	0.1	140	A	0.1	140	A	0.1	140	A	0.1	140
105	A	0.3	168	A	0.3	168	A	0.3	168	A	0.6	191	A	0.6	191	A	0.6	191	A	0.2	181	A	0.2	181	A	0.1	181	A	0.1	181	A	0.1	181
106	A	0.5	109	A	0.5	129	A	0.5	129	A	0.3	126	A	0.3	126	A	0.3	126	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	125
107	A	0.5	84	A	0.2	83	A	0.2	83	A	0.1	83	A	0.1	83	A	0.1	83	A	0.3	119	A	0.3	119	A	0.3	119	A	0.2	119	A	0.2	119
108	A	0.6	130	A	0.2	130	A	0.2	130	A	0.1	130	A	0.1	130	A	0.1	130	A	0.2	173	A	0.2	173	A	0.2	173	A	0.2	173	A	0.2	173
109	A	0.8	192	A	0.4	192	A	0.4	192	A	1.1	249	A	1.2	249	A	1.2	249	A	0.4	164	A	0.4	164	A	0.3	164	A	0.3	164	A	0.3	164
110	A	0.5	103	A	0.1	102	A	0.1	102	A	0.6	164	A	0.6	164	A	0.6	164	A	0.2	114	A	0.2	114	A	0.2	114	A	0.1	114	A	0.1	114
111	A	1.1	177	A	0.4	177	A	0.4	177	A	1.4	299	A	1.4	299	A	1.4	299	A	0.2	194	A	0.2	194	A	0.2	190	A	0.2	190	A	0.1	190
112	A	10.3	173	A	0.4	161	A	0.4	161	A	0.5	173	A	0.5	173	A	0.5	173	A	0.3	215	A	0.3	215	A	0.2	212	A	0.2	212	A	0.2	212
113	A	1.4	382	A	0.9	382	A	0.9	382	A	3.1	369	A	3.4	369	A	3.5	369	A	0.4	395	A	0.4	395	A	0.3	395	A	0.3	395	A	0.3	395
114	A	0.6	126	A	0.6	144	A	0.6	144	A	0.4	169	A	0.4	169	A	0.4	169	A	0.1	132	A	0.2	132	A	0.1	132	A	0.1	138	A	0.1	138
115	A	0.2	86	A	0.2	86	A	0.2	86	C	0.1	73	C	0.1	73	C	0.1	73	A	0.2	101	A	0.2	101	A	0.2	101	A	0.1	101	A	0.1	101
116	A	0.5	91	C	10.6	1648	C	10.5	1648	A	0.1	91	A	0.1	91	A	0.1	91	A	0.4	128	A	0.4	128	A	0.3	128	A	0.2	128	A	0.2	128
117	A	0.4	82	A	0.2	82	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1	82	A	0.2	109	A	0.3	109	A	0.2	109	A	0.2	109	A	0.2	109
118	A	0.4	167	A	0.4	167	A	0.4	167	A	0.6	190	A	0.5	190	A	0.5	190	A	0.2	180	A	0.2	180	A	0.2	180	A	0.1	180	A	0.1	180
119	A	1.1	193	A	0.5	193	A	0.5	193	A	0.8	242	A	0.8	242	A	0.8	242	A	0.1	233	A	0.1	233	A	0.1	233	A	0.1	233	A	0.1	233
120	A	1.2	250	A	0.7	250	A	0.6	250	A	1.1	300	A	1.1	300	A	1.1	300	A	0.2	290	A	0.2	290	A	0.2	290	A	0.2	290	A	0.1	290
121	A	10.6	208	A	0.5	169	A	0.5	169	A	0.5	208	A	0.5	208	A	0.7	208	A	0.4	270	A	0.4	270	A	0.3	264	A	0.3	264	A	0.3	264
122	A	1.4	363	A	0.8	363	A	0.8	363	A	3.1	377	A	3.2	377	A	3.1	377	A	0.5	376	A	0.5	376	A	0.5	376	A	0.4	376	A	0.3	376
123	A	0.7	132	A	0.2	132	A	0.2	132	A	0.2	142	A	0.2	142	A	0.2	142	A	0.2	173	A	0.2	173	A	0.2	167	A	0.2	167	A	0.2	167
124	A	0.8	214	A	11.1	282	A	10.9	282	A	1.4	282	A	1.5	282	A	1.6	282	A	0.3	220	A	0.4	220	A	0.3	220	A	0.3	226	A	0.3	226
125	A	10.5	255	A	10.5	255	A	10.5	255	A	0.8	255	A	0.8	255	A	0.8	255	A	0.6	351	A	0.7	351	A	0.6	351	A	0.7	363	A	0.5	363
126	A	0.5	109	A	0.5	126	A	0.5	126	A	0.3	121	A	0.3	121	A	0.3	121	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	126	A	0.1	126
127	B	0.3	278	A	0.1	63	A	0.1	63	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49
128	B	0.2	223	A	0.1	54	A	0.1	54	A	0.1	42	A	0.1	42	A	0.1	42	A	0.1	40	A	0.1	40	A	0.1	40	A	0.1	40	A	0.1	40
129	B	0.2	140	A	0.1	54	A	0.1	54	A	0.1	64	A	0.1	64	A	0.1	64	B	0.1	96	B	0.1	96	B	0.1	96	B	0.1	96	B	0.1	96
130	B	0.2	198	A	0.1	54	A	0.1	54	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	46	A	0.1	46	A	0.1	51	A	0.1	51	A	0.1	51
131	B	0.2	253	A	0.1	59	A	0.1	59	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	47	A	0.1	47	A	0.1	56	A	0.1	56	A	0.1	56
132	A	1.1	155	A	0.4	155	A	0.4	155	A	0.7	188	A	0.8	188	A	0.8	188	A	0.1	161	A	0.2	161	A	0.1	161	A	0.1	168	A	0.1	168



Table 16 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
133	A	0.7	76	A	0.1	75	A	0.1	75	A	0.2	110	A	0.2	110	A	0.2	110	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90
134	A	0.	42	A	0.	42	A	0.	42	A	0.1	77	A	0.1	77	A	0.1	77	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54
135	A	0.7	77	A	0.1	77	A	0.1	77	A	0.2	110	A	0.2	110	A	0.2	110	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89
136	A	0.7	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.2	104	A	0.2	104	A	0.2	104	A	0.2	104	A	0.1	104
137	A	0.9	158	A	0.3	158	A	0.3	158	A	0.4	198	A	0.4	198	A	0.4	198	A	0.8	174	A	0.9	174	A	0.7	174	A	0.7	174	A	0.5	174
138	A	0.5	86	A	0.1	88	A	0.1	88	A	0.	92	A	0.	88	A	0.	88	A	0.	88	C	0.2	107	C	0.2	107	C	0.2	107	C	0.2	107
139	A	0.6	123	A	0.7	142	A	0.7	142	A	0.4	134	A	0.4	134	A	0.4	134	A	0.1	130	A	0.2	130	A	0.1	130	A	0.1	136	A	0.1	136
140	A	0.8	160	A	0.4	160	A	0.4	160	A	0.6	175	A	0.6	175	A	0.7	175	A	0.2	173	A	0.2	173	A	0.2	173	A	0.2	173	A	0.2	173
141	A	0.	124	A	0.	124	A	0.	124	C	0.	71	C	0.	71	C	0.1	71	A	0.2	138	A	0.2	138	A	0.1	138	A	0.1	138	A	0.1	138
142	A	0.7	148	A	0.4	146	A	0.4	146	C	1.5	274	C	1.4	274	C	2.	274	A	0.4	184	A	0.5	184	A	0.4	184	A	0.3	184	A	0.3	184
143	A	0.7	151	A	0.3	151	A	0.3	151	C	3.3	934	C	3.3	934	C	3.8	934	A	0.5	199	A	0.6	199	A	0.4	199	A	0.4	199	A	0.3	199
144	A	1.2	233	A	0.4	234	A	0.4	234	A	0.7	285	A	0.7	285	A	0.7	285	A	0.8	182	A	0.9	182	A	1.	182	A	0.7	182	A	0.5	182
145	A	0.9	158	A	0.2	150	A	0.2	150	A	5.3	160	A	5.3	160	A	5.3	160	A	0.6	160	A	0.6	160	A	0.6	160	A	0.4	160	A	0.3	160
146	A	0.7	82	A	0.1	71	A	0.1	71	A	0.	82	A	0.	82	A	0.	82	A	0.2	82	A	0.2	82	A	0.2	81	A	0.1	81	A	0.1	81
147	A	0.1	78	A	0.1	78	A	0.1	78	A	0.	78	A	0.	78	A	0.	78	A	0.1	78	A	0.1	78	A	0.1	77	A	0.1	77	A	0.1	77
148	A	10.4	214	A	0.5	328	A	0.5	328	A	5.6	214	A	5.6	214	A	5.6	214	A	1.	214	A	1.1	214	A	1.	214	A	0.9	214	A	0.7	214
149	A	0.8	125	A	0.1	92	A	0.1	92	A	0.1	125	A	0.1	125	A	0.1	125	A	0.3	125	A	0.3	125	A	0.2	125	A	0.2	125	A	0.2	125
150	A	1.	233	A	0.3	200	A	0.3	200	A	0.6	265	A	0.6	265	A	0.6	265	A	1.2	209	A	1.2	209	A	1.4	209	A	1.3	209	A	1.	209
151	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36
152	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
153	B	0.3	242	A	0.1	54	A	0.1	54	A	0.	67	A	0.	67	A	0.	67	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.	54
154	B	1.	202	A	0.1	34	A	0.1	34	A	0.	36	A	0.	36	A	0.	36	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34
155	B	0.	18	B	0.	18	B	0.	18	B	0.	18	B	0.	18	B	0.	18	B	0.	16	B	0.	16	B	0.	16	B	0.	16	B	0.	16
156	C	0.8	104	A	0.	18	A	0.	18	B	0.	34	B	0.	34	B	0.	34	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18
157	B	0.8	107	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18
158	A	0.	38	A	0.	38	A	0.	38	A	0.	51	A	0.	51	A	0.	51	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36
159	B	1.	173	A	0.1	33	A	0.1	33	C	0.	31	C	0.	31	C	0.	31	A	0.1	33	A	0.1	33	A	0.1	49	A	0.1	49	A	0.	49
160	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15
161	C	1.8	63	C	0.8	63	C	0.7	63	C	0.	63	C	0.	63	C	0.	63	A	0.2	66	A	0.2	66	A	0.2	66	A	0.2	66	A	0.1	66
162	C	0.	23	C	10.	23	C	10.	23	C	0.	23	C	0.	23	C	0.	23	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43
163	C	0.	26	C	10.	26	C	10.	26	C	0.	26	C	0.	26	C	0.	26	A	0.1	50	A	0.1	50	A	0.	50	A	0.	50	A	0.	50
164	C	0.9	40	C	0.5	40	C	0.5	40	C	0.	40	C	0.	40	C	0.	40	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38
165	A	4.4	72	A	2.2	72	A	2.2	72	A	0.2	72	A	0.2	72	A	0.2	72	A	0.3	72	A	0.3	72	A	0.3	72	A	0.3	72	A	0.2	72
166	C	21.	84	C	21.1	84	C	21.1	84	C	0.1	84	C	0.1	84	C	0.3	225	C	0.5	225	C	0.1	84	C	0.1	84	C	0.1	84	C	0.2	127

Table 16 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
167	A	1.5	295	C	10.5	233	C	10.4	233	C	0.7	233	C	0.7	233	C	0.7	233	C	0.4	221	C	0.5	221	C	0.4	221	C	0.4	221	C	0.3	221
168	C	10.1	155	C	10.1	155	C	10.1	155	C	0.1	155	C	0.1	155	C	0.1	155	C	0.6	260	C	0.2	190	C	0.3	187	C	0.3	187	C	0.3	155
169	A	0.2	78	A	0.4	76	A	0.4	76	C	0.	62	C	0.	62	C	0.	62	C	0.2	119	C	0.1	85	C	0.1	85	C	0.1	85	A	0.3	117
170	A	1.3	228	A	0.9	228	A	0.8	228	C	0.6	231	C	0.6	231	C	0.6	231	C	0.3	168	C	0.4	168	C	0.3	168	C	0.3	168	C	0.3	168
171	A	0.	40	A	0.1	35	A	0.1	35	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40
172	C	0.	25	C	10.	25	C	10.	25	C	0.	25	C	0.	25	C	0.	25	C	0.	51	C	0.1	51	C	0.	51	C	0.	51	C	0.	51
173	A	0.3	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72
174	A	0.3	41	A	0.1	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	42	A	0.	42	A	0.	42
175	A	0.3	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.2	160	A	0.2	160	A	0.2	160	A	0.1	160	A	0.1	160
176	A	0.3	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.3	119	A	0.3	119	A	0.3	149	A	0.3	149	A	0.3	149
177	A	0.3	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.	94	A	0.	94	A	0.1	135	A	0.1	135	A	0.1	135	A	0.1	135	A	0.1	135
178	A	0.4	132	A	0.1	132	A	0.1	132	A	0.1	132	A	0.1	132	A	0.1	132	A	0.3	296	A	0.3	296	A	0.3	296	A	0.2	296	A	0.2	296
179	A	0.3	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.3	195	A	0.3	195	A	0.2	195	A	0.2	195	A	0.2	195
180	A	0.4	100	A	0.1	100	A	0.1	100	A	0.1	100	A	0.1	100	A	0.1	100	A	0.4	164	A	0.4	164	A	0.3	169	A	0.3	169	A	0.2	169
181	A	0.3	85	A	0.1	85	A	0.1	85	A	0.	85	A	0.	85	A	0.	85	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	105
182	A	0.3	115	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	115	C	0.3	126	C	0.1	51	C	0.1	51	C	0.1	50	C	0.1	50
183	A	0.3	83	A	0.1	83	A	0.1	83	A	0.	83	A	0.	83	A	0.	83	C	0.3	126	C	0.1	51	C	0.1	51	C	0.1	50	C	0.1	50
184	A	0.5	146	A	0.2	146	A	0.2	146	A	0.2	146	A	0.1	146	A	0.1	146	A	0.1	100	A	0.1	100	A	0.1	100	A	0.1	100	A	0.1	100
185	B	1.6	133	B	0.7	133	B	0.7	133	B	0.1	133	B	0.1	133	B	0.7	345	B	1.2	345	B	0.2	133	B	0.2	133	B	0.2	133	B	0.4	223
186	A	0.4	178	A	0.2	178	A	0.2	178	A	0.2	178	A	0.2	178	A	0.2	178	C	0.4	136	C	0.1	70	C	0.1	70	C	0.1	68	C	0.1	68
187	A	0.3	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73
188	A	0.3	99	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	99	C	0.4	146	C	0.1	74	C	0.1	74	C	0.1	74	C	0.1	74
189	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	128	C	0.2	79	C	0.	18	C	0.	18	C	0.	18	C	0.	18
190	A	0.5	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40
191	A	0.1	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	C	0.3	140	C	0.	44	C	0.	44	C	0.	44	C	0.	44
192	A	0.2	115	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	115	A	0.2	117	A	0.2	117	A	0.2	117	A	0.1	117	A	0.1	117
193	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.1	27	A	0.1	27	A	0.1	27	A	0.1	27	A	0.1	27
194	A	0.	96	A	0.	96	A	0.	96	A	0.	96	A	0.	96	A	0.	96	A	0.	96	A	0.1	96	A	0.	96	A	0.	96	A	0.	96
195	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46
196	A	0.1	138	A	0.	138	A	0.	138	A	0.1	138	A	0.1	138	A	0.1	138	A	0.1	138	A	0.2	138	A	0.1	138	A	0.1	138	A	0.1	138
197	A	0.	126	A	0.	126	A	0.	126	A	0.1	126	A	0.1	126	A	0.1	126	A	0.1	126	A	0.1	126	A	0.1	126	A	0.1	126	A	0.1	126
198	A	0.1	244	A	0.1	244	A	0.1	244	A	0.1	244	A	0.1	244	A	0.1	244	A	0.2	244	A	0.2	244	A	0.2	244	A	0.2	244	A	0.1	244
199	B	0.3	1385	B	0.3	1385	B	0.3	1385	B	0.5	1385	B	0.5	1385	B	0.6	1385	B	1.	1385	B	1.1	1385	B	1.	1385	B	0.6	1385	B	0.5	1385
200	B	0.3	615	B	0.3	615	B	0.3	615	B	0.4	615	B	0.4	615	B	0.9	615	B	1.5	615	B	3.2	615	B	2.9	615	B	0.6	615	B	0.5	615

Table 16 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
201	B	0.2	603	B	0.2	603	B	0.2	603	B	0.3	603	B	0.3	603	B	0.4	603	B	0.7	603	B	0.9	603	B	0.9	603	B	0.4	603	B	0.3	603
202	B	0.9	3320	B	0.9	3320	B	0.8	3320	B	1.4	3320	B	1.3	3320	B	1.8	3320	B	3.	3320	B	3.2	3320	B	2.9	3320	B	1.9	3320	B	1.3	3320
203	B	0.5	2307	B	0.5	2307	B	0.5	2307	B	0.9	2307	B	0.8	2307	B	1.	2307	B	1.8	2307	B	1.8	2307	B	1.7	2307	B	1.	2307	B	0.7	2307
204	B	0.3	614	B	0.2	614	B	0.2	614	B	0.4	614	B	0.4	614	B	0.7	614	B	0.9	614	B	1.2	614	B	1.1	614	B	0.5	614	B	0.4	614
205	A	0.3	814	A	0.3	814	A	0.3	814	A	0.5	814	A	0.5	814	A	0.6	814	A	0.9	814	A	1.1	814	A	0.9	814	A	0.8	814	A	0.6	814
206	A	0.3	686	A	0.3	686	A	0.2	686	A	0.5	686	A	0.5	686	A	0.6	686	A	0.9	686	A	1.	686	A	0.9	686	A	0.8	686	A	0.6	686
207	B	0.5	1460	B	0.6	1460	B	0.5	1460	B	1.	1460	B	0.9	1460	B	1.2	1460	B	1.9	1460	B	2.1	1460	B	1.9	1460	B	1.3	1460	B	1.	1460
208	B	0.7	1443	B	0.7	1443	B	0.8	1443	B	1.3	1443	B	1.2	1443	B	5.1	1443	B	6.4	1992	B	4.8	1443	B	6.4	1992	B	1.5	1443	B	1.3	1443
209	B	0.5	1431	B	0.5	1431	B	0.5	1431	B	0.8	1431	B	0.8	1431	B	1.8	1431	B	2.9	1431	B	3.2	1431	B	2.9	1431	B	1.1	1431	B	0.9	1431
210	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25
211	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50
212	A	0.1	250	A	0.1	250	A	0.1	250	A	0.1	250	A	0.1	250	A	0.1	250	A	0.2	250	A	0.2	250	A	0.2	250	A	0.2	250	A	0.2	250
213	A	0.1	153	A	0.	153	A	0.	153	A	0.1	153	A	0.1	153	A	0.1	153	A	0.1	153	A	0.1	153	A	0.1	153	A	0.1	153	A	0.1	153
214	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31
215	A	0.1	188	A	0.1	188	A	0.1	188	A	0.2	188	A	0.2	188	A	0.2	188	A	0.2	188	A	0.3	188	A	0.2	188	A	0.3	188	A	0.2	188
216	A	0.1	185	A	0.1	185	A	0.1	185	A	0.2	185	A	0.2	185	A	0.2	185	A	0.2	185	A	0.3	185	A	0.2	185	A	0.2	185	A	0.2	185
217	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48
218	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47
219	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35
220	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25
221	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18
222	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21
223	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51
224	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31
225	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23
226	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26
227	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67
228	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46
229	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47
230	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31
231	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37
232	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22
233	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40
234	A	0.	85	A	0.	85	A	0.	85	A	0.	85	A	0.	85	A	0.	85	A	0.1	85	A	0.1	85	A	0.1	85	A	0.	85	A	0.	85

Table 16 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
235	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26
236	A	0.	77	A	0.	77	A	0.	77	A	0.	77	A	0.	77	A	0.	77	A	0.1	77	A	0.	77	A	0.	77	A	0.	77	A	0.	77
237	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33
238	A	0.	77	A	0.	77	A	0.	77	A	0.	77	A	0.	77	A	0.	77	A	0.	77	A	0.	77	A	0.	77	A	0.	77	A	0.	77
239	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67
240	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48
241	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28
242	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41
243	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26
244	A	0.	69	A	0.	69	A	0.	69	A	0.	69	A	0.	69	A	0.	69	A	0.	69	A	0.	69	A	0.	69	A	0.	69	A	0.	69
245	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55
246	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52
247	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41
248	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67
249	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36
250	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57
251	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42
252	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27
253	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22
254	A	0.	55	A	0.	55	A	0.	55	A	0.1	55	A	0.	55	A	0.	55	A	0.1	55	A	0.1	55	A	0.1	59	A	0.1	59	A	0.1	59
255	A	0.	84	A	0.	84	A	0.	84	A	0.1	84	A	0.1	84	A	0.1	84	A	0.1	84	A	0.1	84	A	0.1	88	A	0.1	88	A	0.1	88
256	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61
257	A	0.	62	A	0.	62	A	0.	62	A	0.1	62	A	0.1	62	A	0.1	62	A	0.1	62	A	0.1	62	A	0.1	66	A	0.1	66	A	0.1	66
258	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48
259	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.1	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59
260	A	0.	79	A	0.	79	A	0.	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79
261	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67
262	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62
263	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32
264	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31
265	A	0.	87	A	0.	87	A	0.	87	A	0.	87	A	0.	87	A	0.	87	A	0.	87	A	0.	87	A	0.	87	A	0.	87	A	0.	87
266	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.	71
267	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56
268	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.1	49	A	0.	49	A	0.	49	A	0.	49

Table 16 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
269	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.	51	A	0.	51
270	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42
271	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56
272	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51
273	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42
274	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.1	51	A	0.	51	A	0.	51	A	0.	51
275	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.1	70	A	0.1	70	A	0.	70	A	0.	70	A	0.	70
276	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	99	A	0.2	99	A	0.2	99	A	0.1	99	A	0.2	99	A	0.1	99
277	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47
278	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27
279	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	49	A	0.	49	A	0.	49
280	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	54	A	0.	54	A	0.	54
281	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.1	50	A	0.1	50	A	0.	59	A	0.1	59	A	0.	59
282	A	0.	60	A	0.	60	A	0.	60	A	0.1	60	A	0.	60	A	0.	60	A	0.1	60	A	0.1	60	A	0.1	69	A	0.1	69	A	0.1	69
283	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32
284	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	49	A	0.	49	A	0.	49
285	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32
286	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	54	A	0.	54	A	0.	54
287	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	63	A	0.	63	A	0.	63
288	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49
289	A	0.	55	A	0.	55	A	0.	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	58	A	0.1	58	A	0.1	58
290	A	0.	60	A	0.	60	A	0.	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	63	A	0.1	63	A	0.1	63
291	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	40	A	0.	40	A	0.	40
292	A	0.	95	A	0.	95	A	0.	95	A	0.1	95	A	0.	95	A	0.	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.	95
293	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	49	A	0.	49	A	0.	49
294	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	49	A	0.	49	A	0.	49
295	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60
296	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40
297	A	0.	67	A	0.	67	A	0.	67	A	0.1	67	A	0.	67	A	0.	67	A	0.1	67	A	0.1	67	A	0.	91	A	0.	91	A	0.	91
298	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	66	A	0.	66	A	0.	66
299	A	0.	79	A	0.	79	A	0.	79	A	0.	79	A	0.	79	A	0.	79	A	0.	79	A	0.	79	A	0.	79	A	0.	79	A	0.	79
300	A	0.	69	A	0.	69	A	0.	69	A	0.	69	A	0.	69	A	0.	69	A	0.	69	A	0.	69	A	0.	69	A	0.	69	A	0.	69
301	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54
302	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36

Table 16 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
303	A	0.	69	A	0.	69	A	0.	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69
304	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52
305	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.1	56	A	0.	72	A	0.	72	A	0.	72	A	0.	72
306	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.	74
307	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.1	47	A	0.1	47	A	0.1	47	A	0.	47	A	0.	47
308	A	0.	60	A	0.	60	A	0.	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60
309	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46
310	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33
311	A	0.	64	A	0.	64	A	0.	64	A	0.1	64	A	0.	64	A	0.1	64	A	0.1	64	A	0.1	64	A	0.1	64	A	0.1	64	A	0.1	64
312	A	0.	69	A	0.	69	A	0.	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69
313	A	0.	64	A	0.	64	A	0.	64	A	0.1	64	A	0.1	64	A	0.1	64	A	0.1	64	A	0.1	64	A	0.1	64	A	0.1	64	A	0.1	64
314	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.	55	A	0.	55
315	A	0.	57	A	0.	57	A	0.	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	61	A	0.1	61	A	0.1	61
316	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.1	48	A	0.1	48	A	0.	48	A	0.	48	A	0.	48
317	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.1	48	A	0.	48	A	0.	48	A	0.	48
318	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62
319	A	0.	68	A	0.	68	A	0.	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68
320	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.1	50	A	0.1	50	A	0.	70	A	0.	70	A	0.	70
321	A	0.	76	A	0.	76	A	0.	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76
322	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1	82	A	0.2	82	A	0.2	82	A	0.1	94	A	0.1	94	A	0.1	94
323	A	0.2	653	A	0.1	653	A	0.1	653	A	0.3	653	A	0.2	653	A	0.3	653	A	0.4	653	A	0.5	653	A	0.4	653	A	0.3	653	A	0.3	653
324	A	0.1	241	A	0.1	241	A	0.1	241	A	0.1	241	A	0.1	241	A	0.1	241	A	0.1	241	A	0.2	241	A	0.1	241	A	0.1	241	A	0.1	241
325	A	0.3	232	A	0.3	232	A	0.3	232	A	0.6	232	A	0.8	232	A	0.8	232	A	1.3	232	A	1.5	232	A	1.4	232	A	1.1	232	A	0.9	232
326	A	0.7	490	A	0.7	490	A	0.6	490	A	1.5	490	A	1.7	490	A	1.7	490	A	2.7	490	A	3.2	490	A	2.8	490	A	2.6	490	A	1.8	490
327	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	69	A	0.1	69	A	0.1	69
328	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	69	A	0.1	69	A	0.1	69
329	A	0.1	138	A	0.1	138	A	0.1	138	A	0.1	107	A	0.1	107	A	0.2	107	A	0.3	138	A	0.3	138	A	0.3	138	A	0.2	138	A	0.2	138
330	A	0.1	137	A	0.1	137	A	0.1	137	A	0.1	107	A	0.1	107	A	0.1	107	A	0.2	137	A	0.2	137	A	0.2	137	A	0.1	137	A	0.1	137
331	A	0.1	135	A	0.1	135	A	0.1	135	A	0.1	107	A	0.1	107	A	0.1	107	A	0.2	135	A	0.2	135	A	0.2	134	A	0.1	134	A	0.1	134
332	A	0.2	222	A	0.1	222	A	0.1	222	A	0.2	145	A	0.1	145	A	0.2	145	A	0.2	222	A	0.2	222	A	0.2	222	A	0.2	222	A	0.2	222
333	A	0.2	223	A	0.2	223	A	0.2	223	A	0.1	145	A	0.1	145	A	0.2	145	A	0.4	152	A	0.4	152	A	0.3	152	A	0.3	152	A	0.3	152
334	A	0.2	129	A	0.2	129	A	0.2	129	A	0.2	109	A	0.2	109	A	0.2	109	A	0.2	129	A	0.2	129	A	0.2	129	A	0.2	129	A	0.2	129
335	A	0.3	102	A	0.3	102	A	0.3	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102
336	A	0.6	289	A	0.7	289	A	0.7	289	C	0.	94	C	0.	94	C	0.	94	A	0.7	191	A	0.8	191	A	0.7	191	A	0.9	191	A	0.6	191

Table 16 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
337	A	0.6	213	A	0.6	213	A	0.6	213	C	0.1	97	C	0.1	97	C	0.1	97	A	0.5	171	A	0.6	171	A	0.5	171	A	0.4	171	A	0.4	171
338	A	0.4	295	A	0.4	295	A	0.4	295	A	0.5	175	A	0.5	175	A	0.5	175	A	0.6	295	A	0.6	295	A	0.6	295	A	0.7	295	A	0.5	295
339	A	0.4	253	A	0.4	253	A	0.4	253	C	0.1	103	C	0.1	103	C	0.1	103	A	0.5	166	A	0.6	166	A	0.6	168	A	0.8	168	A	0.5	168
340	A	0.3	157	A	0.2	157	A	0.2	157	A	0.2	184	A	0.2	184	A	0.2	184	A	0.3	157	A	0.3	157	A	0.2	157	A	0.2	157	A	0.2	157
341	A	0.4	241	A	0.4	241	A	0.4	241	C	0.1	165	C	0.1	165	C	0.2	165	A	0.7	156	A	0.8	156	A	0.7	156	A	0.8	156	A	0.5	156
342	A	0.8	513	A	0.8	513	A	0.8	513	C	0.1	166	C	0.1	166	C	0.2	166	A	1.2	246	A	1.4	246	A	1.2	263	A	2.	263	A	0.9	263
343	A	0.	53	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48
344	A	0.	38	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38
345	A	0.1	48	A	0.1	55	A	0.1	55	A	0.	55	A	0.	55	A	0.	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55
346	A	0.2	58	A	0.2	58	A	0.2	58	C	0.	42	C	0.	42	C	0.	42	A	0.1	58	A	0.1	58	A	0.1	65	A	0.1	65	A	0.1	65
347	A	0.2	68	A	0.2	68	A	0.2	68	C	0.	42	C	0.	42	C	0.	42	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68
348	A	0.	48	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43
349	A	0.	43	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.	38
350	A	0.	38	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.1	33	A	0.1	33	A	0.	33	A	0.	33	A	0.	33
351	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33
352	A	0.	28	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28
353	A	0.	53	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48
354	A	0.	48	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.	43
355	A	0.1	58	A	0.1	56	A	0.1	56	A	0.	58	A	0.	58	A	0.	58	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56
356	A	0.1	63	A	0.1	63	A	0.1	63	A	0.	63	A	0.	63	A	0.	63	A	0.1	63	A	0.1	63	A	0.1	68	A	0.1	68	A	0.1	68
357	A	0.3	78	A	0.4	80	A	0.4	80	C	0.	52	C	0.	52	C	0.	52	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78
358	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41
359	A	0.3	83	A	0.3	83	A	0.3	83	A	0.1	83	A	0.1	83	A	0.1	83	A	0.2	83	A	0.2	83	A	0.2	92	A	0.1	92	A	0.1	92
360	A	0.1	68	A	0.1	69	A	0.1	69	A	0.1	69	A	0.	69	A	0.	69	A	0.1	69	A	0.1	69	A	0.1	83	A	0.1	83	A	0.1	83
361	A	0.1	82	A	0.2	83	A	0.2	83	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	85	A	0.2	85	A	0.1	85	A	0.1	85	A	0.1	85
362	A	0.2	99	A	0.3	99	A	0.3	99	A	0.1	99	A	0.1	99	A	0.1	99	A	0.2	99	A	0.2	99	A	0.1	99	A	0.1	99	A	0.1	99
363	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33
364	A	0.1	63	A	0.2	65	A	0.2	65	C	0.	42	C	0.	42	C	0.	42	A	0.1	63	A	0.1	63	A	0.1	70	A	0.1	70	A	0.1	70
365	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43
366	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.	33
367	A	0.	58	A	0.1	56	A	0.1	56	A	0.	56	A	0.	56	A	0.	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56
368	A	0.1	68	A	0.3	70	A	0.3	70	C	0.	47	C	0.	47	C	0.	47	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68
369	A	0.2	73	A	0.3	75	A	0.3	75	C	0.	47	C	0.	47	C	0.	47	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73
370	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33

Table 16 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
371	A	0.2	78	A	0.4	80	A	0.4	80	C	0.	52	C	0.	52	C	0.	52	A	0.2	78	A	0.2	78	A	0.1	78	A	0.1	78	A	0.1	78
372	A	0.1	75	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78
373	A	0.2	90	A	0.3	90	A	0.2	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.2	90	A	0.2	90	A	0.2	90	A	0.2	90	A	0.1	90
374	A	0.2	100	A	0.4	100	A	0.3	100	A	0.2	100	A	0.1	100	A	0.1	100	A	0.2	100	A	0.2	100	A	0.2	100	A	0.1	100	A	0.1	100
375	A	0.1	63	A	0.2	63	A	0.2	63	A	0.1	63	A	0.	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	70	A	0.1	70	A	0.1	70
376	A	0.2	78	A	0.2	78	A	0.2	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.2	78	A	0.2	78	A	0.2	78	A	0.1	92	A	0.1	92
377	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23
378	A	0.1	65	A	0.1	63	A	0.1	63	A	0.	63	A	0.	63	A	0.	63	A	0.1	63	A	0.1	63	A	0.1	68	A	0.1	68	A	0.1	68
379	A	0.1	68	A	0.2	68	A	0.2	68	C	0.	54	C	0.	54	C	0.	54	A	0.1	68	A	0.1	68	A	0.1	75	A	0.1	75	A	0.1	75
380	A	0.1	68	A	0.2	70	A	0.2	70	C	0.	47	C	0.	54	C	0.	54	A	0.1	68	A	0.1	68	A	0.1	75	A	0.1	75	A	0.1	75
381	A	0.2	68	A	0.3	70	A	0.3	70	A	0.1	84	A	0.1	84	A	0.1	84	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68
382	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48
383	A	0.1	68	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66
384	A	0.1	80	A	0.2	80	A	0.2	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.2	80	A	0.2	80	A	0.2	80	A	0.1	92	A	0.1	92
385	A	0.3	88	A	0.4	88	A	0.4	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.2	88	A	0.2	88	A	0.2	88	A	0.1	88	A	0.1	88
386	A	0.1	60	A	0.1	58	A	0.1	58	C	0.	30	C	0.	30	C	0.	30	A	0.1	58	A	0.1	58	A	0.1	63	A	0.1	63	A	0.1	63
387	A	0.2	100	A	0.3	100	A	0.3	100	A	0.2	100	A	0.1	100	A	0.1	100	A	0.2	100	A	0.2	100	A	0.2	100	A	0.2	100	A	0.1	100
388	A	0.1	70	A	0.2	68	A	0.2	68	A	0.1	68	A	0.	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	75	A	0.1	75	A	0.1	75
389	A	0.1	82	A	0.2	81	A	0.2	81	A	0.1	81	A	0.1	81	A	0.1	81	A	0.2	81	A	0.2	81	A	0.2	81	A	0.1	92	A	0.1	92
390	A	0.2	98	A	0.3	98	A	0.3	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.2	98	A	0.2	98	A	0.2	98	A	0.1	98	A	0.1	98
391	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28
392	A	0.1	63	A	0.2	65	A	0.2	65	C	0.	47	C	0.	47	C	0.	47	A	0.1	63	A	0.1	63	A	0.1	70	A	0.1	70	A	0.1	70
393	A	0.2	70	A	0.2	70	A	0.2	70	C	0.	47	C	0.	47	C	0.	47	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68
394	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.	48
395	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.1	38	A	0.	38	A	0.1	38	A	0.	38
396	A	0.	51	A	0.1	51	A	0.1	51	A	0.	51	A	0.	51	A	0.	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51
397	A	0.4	149	A	0.4	149	A	0.4	149	A	0.2	132	A	0.2	132	A	0.2	132	A	0.4	122	A	0.4	122	A	0.4	122	A	0.4	122	A	0.3	122
398	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56
399	A	0.	51	A	0.1	51	A	0.1	51	A	0.	51	A	0.	51	A	0.	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51
400	A	0.	46	A	0.1	46	A	0.1	46	A	0.	46	A	0.	46	A	0.	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.	46
401	A	0.2	82	A	0.2	82	A	0.2	82	A	0.1	82	A	0.1	82	A	0.1	82	A	0.2	82	A	0.2	82	A	0.2	82	A	0.1	95	A	0.1	95
402	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	78	A	0.1	78	A	0.1	78
403	A	0.1	48	A	0.1	48	A	0.1	48	A	0.	48	A	0.	48	A	0.	48	A	0.1	48	A	0.1	48	A	0.1	53	A	0.1	53	A	0.1	53
404	A	0.1	68	A	0.2	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	75	A	0.1	75	A	0.1	75



Table 16 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
405	A	0.2	96	A	0.2	95	A	0.2	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.2	95	A	0.2	95	A	0.2	95	A	0.2	95	A	0.2	95
406	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25
407	A	0.1	56	A	0.1	53	A	0.1	53	C	0.	46	C	0.	46	C	0.	46	A	0.1	56	A	0.1	56	A	0.1	64	A	0.1	64	A	0.1	64
408	A	0.1	63	A	0.2	63	A	0.2	63	C	0.	42	C	0.	42	C	0.	42	A	0.1	63	A	0.1	63	A	0.1	82	A	0.1	82	A	0.1	82
409	A	0.1	68	A	0.2	70	A	0.2	70	C	0.	42	C	0.	42	C	0.	42	A	0.2	68	A	0.2	68	A	0.1	87	A	0.1	87	A	0.1	87
410	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.1	38	A	0.1	38	A	0.	38	A	0.1	38	A	0.	38
411	A	0.1	68	A	0.2	70	A	0.2	70	C	0.	60	C	0.	60	C	0.	60	A	0.2	68	A	0.2	68	A	0.1	87	A	0.1	87	A	0.1	87
412	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48
413	A	0.1	87	A	0.2	84	A	0.2	84	C	0.	70	C	0.	70	C	0.	70	A	0.2	87	A	0.2	87	A	0.2	100	A	0.1	100	A	0.1	100
414	A	0.1	71	A	0.1	68	A	0.1	68	C	0.1	96	C	0.1	96	C	0.1	96	A	0.1	71	A	0.2	71	A	0.1	79	A	0.1	79	A	0.1	79
415	A	0.1	58	A	0.1	63	A	0.1	63	C	0.	30	C	0.	30	C	0.	30	A	0.1	56	A	0.1	56	A	0.1	64	A	0.1	64	A	0.1	64
416	A	0.1	58	A	0.2	58	A	0.1	58	A	0.1	83	A	0.	58	A	0.	58	A	0.1	58	A	0.1	58	A	0.1	77	A	0.1	77	A	0.1	77
417	A	0.2	88	A	0.2	88	A	0.2	88	C	0.	73	C	0.	73	C	0.	73	A	0.4	88	A	0.4	88	A	0.2	107	A	0.2	107	A	0.2	107
418	A	0.1	46	A	0.1	46	A	0.1	46	C	0.	38	C	0.	38	C	0.	38	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52
419	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48
420	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.	43
421	A	0.1	58	A	0.1	70	A	0.1	70	C	0.	55	C	0.	55	C	0.	55	A	0.1	58	A	0.1	58	A	0.1	77	A	0.1	77	A	0.1	77
422	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.1	53	A	0.1	53	A	0.1	53	A	0.1	53	A	0.1	53
423	A	0.1	66	A	0.2	65	A	0.2	65	C	0.	62	C	0.	62	C	0.	62	A	0.1	66	A	0.1	66	A	0.1	76	A	0.1	76	A	0.1	76
424	A	0.1	61	A	0.1	61	A	0.1	61	C	0.	55	C	0.	55	C	0.	55	A	0.2	61	A	0.2	61	A	0.1	75	A	0.1	75	A	0.1	75
425	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	85	A	0.1	85	A	0.1	85	A	0.2	77	A	0.2	77	A	0.1	95	A	0.1	95	A	0.1	95
426	A	0.2	99	A	0.3	99	A	0.3	99	C	0.1	71	C	0.	71	C	0.	71	A	0.2	99	A	0.2	99	A	0.2	99	A	0.2	99	A	0.2	99
427	A	0.1	63	A	0.1	79	A	0.1	79	C	0.1	89	C	0.	89	C	0.1	89	A	0.2	63	A	0.2	63	A	0.1	82	A	0.1	82	A	0.1	82
428	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	70	A	0.	75	A	0.	75	A	0.1	58	A	0.1	58	A	0.1	77	A	0.1	77	A	0.1	77
429	A	0.1	58	A	0.1	58	A	0.1	58	C	0.	55	C	0.	55	C	0.	55	A	0.1	58	A	0.1	58	A	0.1	77	A	0.1	77	A	0.1	77
430	A	0.1	58	A	0.1	60	A	0.1	60	C	0.	46	C	0.	46	C	0.	46	A	0.1	58	A	0.1	58	A	0.1	77	A	0.1	77	A	0.1	77
431	A	0.1	71	A	0.2	68	A	0.2	68	C	0.1	100	C	0.1	100	C	0.1	100	A	0.1	71	A	0.1	71	A	0.1	81	A	0.1	81	A	0.1	81
432	A	0.1	109	A	0.3	106	A	0.3	106	C	0.1	78	C	0.	78	C	0.1	78	A	0.2	109	A	0.2	109	A	0.2	109	A	0.2	109	A	0.1	109
433	A	0.2	111	A	0.3	109	A	0.3	109	C	0.1	83	C	0.1	83	C	0.1	83	A	0.2	111	A	0.2	111	A	0.2	111	A	0.2	111	A	0.2	111
434	A	1.	160	A	0.4	160	A	0.4	160	A	1.2	201	A	1.2	201	A	1.1	201	A	0.2	173	A	0.2	173	A	0.2	173	A	0.2	173	A	0.2	173
435	A	0.9	481	A	0.4	341	A	0.4	341	A	0.3	160	A	0.3	160	A	0.3	160	A	0.5	256	A	0.6	256	A	0.5	256	A	0.5	256	A	0.4	256
436	A	0.4	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.2	66	A	0.3	66	A	0.2	66	A	0.2	66	A	0.2	66
437	A	0.8	343	A	0.4	270	A	0.4	270	A	0.4	135	A	0.4	135	A	0.4	135	A	0.5	254	A	0.6	254	A	0.5	254	A	0.5	254	A	0.4	254
438	A	0.6	135	A	0.2	134	A	0.2	134	A	0.1	135	A	0.1	135	A	0.1	135	A	0.4	135	A	0.5	135	A	0.4	135	A	0.4	135	A	0.3	135

Table 16 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
439	A	0.7	229	A	0.3	199	A	0.3	199	A	0.3	114	A	0.3	114	A	0.4	114	A	0.6	255	A	0.7	255	A	0.6	255	A	0.5	255	A	0.4	255
440	A	0.7	84	A	0.2	83	A	0.2	83	A	0.2	118	A	0.2	118	A	0.2	118	A	0.1	100	A	0.1	100	A	0.1	100	A	0.1	100	A	0.1	100
441	A	0.6	65	A	0.1	65	A	0.1	65	A	0.	65	A	0.	65	A	0.	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65
442	A	0.7	133	A	0.1	134	A	0.1	134	A	0.1	133	A	0.1	133	A	0.1	133	A	0.2	131	A	0.2	131	A	0.2	131	A	0.2	131	A	0.2	131
443	A	0.7	133	A	0.1	133	A	0.1	133	A	0.1	133	A	0.1	133	A	0.1	133	A	0.4	99	A	0.5	99	A	0.4	99	A	0.4	99	A	0.3	99
444	A	0.5	116	A	0.2	116	A	0.2	116	C	0.2	114	C	0.2	114	C	0.2	114	A	0.2	128	A	0.2	128	A	0.2	128	A	0.2	128	A	0.2	128
445	A	0.7	125	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125	A	0.4	100	A	0.5	100	A	0.4	100	A	0.3	100	A	0.3	100
446	B	1.6	408	A	0.2	83	A	0.2	83	A	0.2	79	A	0.2	79	A	0.2	79	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70
447	C	1.8	566	A	0.2	81	A	0.2	81	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	82	A	0.2	82	A	0.1	82	A	0.1	82	A	0.1	82
448	A	0.2	64	A	0.1	64	A	0.1	64	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.	60
449	C	1.4	509	A	0.2	74	A	0.2	74	A	0.1	74	A	0.	74	A	0.1	74	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77
450	A	1.4	79	A	0.2	88	A	0.2	88	A	0.1	84	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75
451	C	1.5	481	A	0.2	114	A	0.2	114	A	0.1	113	A	0.1	92	A	0.1	92	A	0.1	105	A	0.2	105	A	0.1	105	A	0.1	105	A	0.1	105
452	A	1.4	103	A	0.2	108	A	0.2	108	A	0.2	130	A	0.1	122	A	0.1	122	A	0.2	112	A	0.2	112	A	0.2	125	A	0.2	125	A	0.1	125
453	A	1.3	103	A	0.2	103	A	0.2	103	A	0.2	134	A	0.1	126	A	0.1	126	A	0.2	112	A	0.2	112	A	0.2	112	A	0.1	112	A	0.1	112
454	A	0.8	116	A	0.6	163	A	0.6	163	A	0.5	152	A	0.6	151	A	0.6	151	A	0.4	193	A	0.4	193	A	0.3	214	A	0.2	214	A	0.2	214
455	C	1.2	359	A	0.1	65	A	0.1	65	A	0.	65	A	0.	65	A	0.	65	A	0.1	70	A	0.1	70	A	0.1	72	A	0.1	72	A	0.1	72
456	C	1.4	487	A	0.2	74	A	0.2	74	A	0.1	74	A	0.	74	A	0.	74	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77
457	B	1.4	287	A	0.1	64	A	0.1	64	A	0.1	78	A	0.	78	A	0.1	78	A	0.1	60	A	0.2	60	A	0.1	74	A	0.1	74	A	0.1	74
458	B	1.2	220	A	0.1	61	A	0.1	61	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	57	A	0.1	57	A	0.1	69	A	0.1	69	A	0.1	69
459	A	1.2	79	A	0.2	79	A	0.2	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	82	A	0.1	82	A	0.1	84	A	0.1	84	A	0.1	84
460	B	1.6	407	A	0.2	83	A	0.2	83	A	0.1	79	A	0.	70	A	0.	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70
461	C	1.4	498	A	0.2	98	A	0.2	98	A	0.2	129	A	0.1	121	A	0.1	121	A	0.2	107	A	0.2	107	A	0.2	107	A	0.1	107	A	0.1	107
462	A	1.3	79	A	0.2	79	A	0.2	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1	82
463	A	1.4	94	A	0.5	96	A	0.4	96	A	0.2	176	A	0.2	176	A	0.2	176	A	0.2	121	A	0.2	121	A	0.1	97	A	0.1	97	A	0.1	97
464	A	1.4	84	A	0.2	93	A	0.2	93	A	0.1	89	A	0.1	80	A	0.1	80	A	0.1	80	A	0.2	80	A	0.1	80	A	0.1	80	A	0.1	80
465	A	1.4	108	A	0.3	113	A	0.3	113	A	0.2	135	A	0.1	127	A	0.1	127	A	0.2	117	A	0.3	117	A	0.2	127	A	0.1	127	A	0.1	127
466	A	1.4	89	A	0.4	89	A	0.3	89	A	0.1	138	A	0.1	138	A	0.1	138	A	0.2	92	A	0.2	92	A	0.1	94	A	0.1	94	A	0.1	94
467	A	1.4	94	A	0.4	96	A	0.4	96	A	0.3	221	A	0.3	221	A	0.3	221	A	0.1	97	A	0.2	97	A	0.1	99	A	0.1	99	A	0.1	99
468	C	1.1	313	A	1.2	160	A	1.2	160	A	0.3	100	A	0.1	112	A	0.1	112	A	0.2	97	A	0.2	97	A	0.2	97	A	0.1	97	A	0.1	97
469	A	1.3	74	A	0.2	74	A	0.2	74	A	0.1	88	A	0.1	88	A	0.1	88	A	0.2	70	A	0.2	70	A	0.1	84	A	0.1	84	A	0.1	84
470	A	1.4	103	A	0.3	108	A	0.3	108	A	0.2	134	A	0.2	126	A	0.2	126	A	0.2	112	A	0.2	112	A	0.2	112	A	0.2	112	A	0.1	112
471	A	1.4	84	A	0.3	84	A	0.3	84	A	0.2	164	A	0.2	164	A	0.2	164	A	0.1	87	A	0.1	87	A	0.1	89	A	0.1	89	A	0.1	89
472	A	1.5	89	A	0.3	98	A	0.3	98	A	0.2	94	A	0.2	94	A	0.2	94	A	0.1	85	A	0.2	85	A	0.1	85	A	0.1	85	A	0.1	85

Table 16 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
473	A	0.2	74	A	0.2	74	A	0.2	74	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70
474	A	1.4	101	A	0.2	119	A	0.2	119	A	0.2	118	A	0.1	110	A	0.1	110	A	0.2	110	A	0.2	110	A	0.2	110	A	0.1	110	A	0.1	110
475	A	1.4	108	A	0.3	108	A	0.3	108	A	0.3	139	A	0.2	131	A	0.2	131	A	0.2	117	A	0.2	117	A	0.2	117	A	0.2	117	A	0.2	117
476	A	1.4	94	A	0.5	94	A	0.5	94	A	0.3	221	A	0.3	221	A	0.3	221	A	0.1	97	A	0.2	97	A	0.1	97	A	0.1	97	A	0.1	97
477	A	1.5	89	A	0.3	98	A	0.3	98	A	0.1	94	A	0.1	85	A	0.1	85	A	0.2	85	A	0.2	85	A	0.2	85	A	0.1	85	A	0.1	85
478	A	1.5	106	A	0.3	124	A	0.3	124	A	0.2	123	A	0.1	115	A	0.1	115	A	0.2	115	A	0.2	115	A	0.2	115	A	0.1	115	A	0.1	115
479	A	1.5	113	A	0.3	118	A	0.3	118	A	0.3	140	A	0.2	132	A	0.2	132	A	0.2	122	A	0.2	122	A	0.2	132	A	0.2	132	A	0.1	132
480	A	1.4	113	A	0.3	113	A	0.3	113	A	0.3	144	A	0.2	136	A	0.2	136	A	0.2	122	A	0.3	122	A	0.2	122	A	0.2	122	A	0.2	122
481	A	1.4	89	A	0.4	89	A	0.4	89	A	0.1	138	A	0.1	138	A	0.1	138	A	0.2	92	A	0.2	92	A	0.1	92	A	0.1	92	A	0.1	92
482	A	1.4	84	A	0.3	93	A	0.3	93	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	80	A	0.2	80	A	0.1	80	A	0.1	80	A	0.1	80
483	A	1.4	79	A	0.2	88	A	0.2	88	A	0.1	84	A	0.1	84	A	0.1	84	A	0.1	84	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75
484	A	1.3	84	A	0.3	84	A	0.3	84	A	0.1	135	A	0.1	135	A	0.1	135	A	0.1	87	A	0.2	87	A	0.1	89	A	0.1	89	A	0.1	89
485	A	1.4	84	A	0.6	92	A	0.6	92	A	0.1	98	A	0.1	98	A	0.1	98	A	0.2	80	A	0.3	80	A	0.1	94	A	0.1	94	A	0.1	94
486	C	1.4	412	A	1.2	165	A	1.2	165	A	0.2	107	A	0.1	121	A	0.1	121	A	0.4	103	A	0.4	103	A	0.2	100	A	0.2	100	A	0.1	100
487	C	1.3	432	A	1.5	138	A	1.5	138	A	0.	92	A	0.	92	A	0.	92	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77
488	B	1.1	226	A	0.2	72	A	0.2	72	A	0.	73	A	0.	55	A	0.	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.	55	A	0.	55
489	C	5.5	412	B	0.8	138	B	0.8	138	A	0.	75	A	0.	62	A	0.	62	A	0.1	75	A	0.1	75	A	0.1	75	A	0.	75	A	0.	75
490	C	1.	325	B	1.	130	B	1.	130	A	0.	64	A	0.	64	A	0.	64	A	0.1	67	A	0.1	67	A	0.1	72	A	0.1	72	A	0.1	72
491	B	1.5	347	A	0.2	78	A	0.2	78	A	0.1	83	A	0.	65	A	0.	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65
492	C	1.4	509	A	0.2	74	A	0.2	74	A	0.	74	A	0.	74	A	0.	74	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77
493	B	1.4	346	A	0.1	78	A	0.1	78	A	0.1	83	A	0.	65	A	0.	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65
494	A	0.1	64	A	0.1	64	A	0.1	64	A	0.	78	A	0.	60	A	0.	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.	60
495	A	1.3	84	A	0.3	84	A	0.3	84	A	0.1	84	A	0.1	84	A	0.1	84	A	0.2	87	A	0.2	87	A	0.1	87	A	0.1	87	A	0.1	87
496	A	1.3	89	A	0.3	91	A	0.3	91	A	0.2	193	A	0.2	193	A	0.2	193	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92
497	B	1.5	348	A	0.2	78	A	0.2	78	A	0.1	83	A	0.	74	A	0.	74	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65
498	B	1.3	287	A	0.1	73	A	0.1	73	A	0.1	78	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60
499	B	1.2	228	A	0.1	68	A	0.1	68	A	0.	73	A	0.	55	A	0.	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55
500	C	1.	346	A	0.1	62	A	0.1	62	A	0.	64	A	0.	64	A	0.	64	A	0.1	67	A	0.1	67	A	0.1	72	A	0.1	72	A	0.1	72
501	C	1.3	451	A	0.1	69	A	0.1	69	A	0.	69	A	0.	69	A	0.	69	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72
502	A	1.3	73	A	0.2	73	A	0.1	73	A	0.1	87	A	0.	69	A	0.	69	A	0.2	65	A	0.2	65	A	0.1	77	A	0.1	77	A	0.1	77
503	B	1.1	201	A	0.1	63	A	0.1	63	A	0.	77	A	0.	59	A	0.	59	A	0.1	55	A	0.1	55	A	0.1	67	A	0.1	67	A	0.1	67
504	B	1.4	326	A	0.2	73	A	0.1	73	A	0.1	83	A	0.	69	A	0.	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69
505	C	1.4	490	A	0.2	85	A	0.2	85	A	0.1	85	A	0.	85	A	0.	85	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77
506	A	1.3	84	A	0.3	95	A	0.3	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	87	A	0.1	87	A	0.1	87	A	0.1	87	A	0.1	87

Table 16 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
507	B	1.2	266	A	0.3	72	A	0.3	72	A	0.	78	A	0.	64	A	0.	64	A	0.1	64	A	0.1	64	A	0.1	64	A	0.1	64	A	0.1	64
508	B	1.5	329	A	0.2	73	A	0.2	73	A	0.1	83	A	0.	69	A	0.	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69
509	C	1.	263	A	0.1	57	A	0.1	57	A	0.	57	A	0.	57	A	0.	57	A	0.1	60	A	0.1	60	A	0.1	72	A	0.1	72	A	0.1	72
510	B	1.5	316	A	0.2	82	A	0.2	82	A	0.1	87	A	0.1	78	A	0.1	78	A	0.1	78	A	0.2	78	A	0.1	81	A	0.1	81	A	0.1	81
511	A	1.3	89	A	0.2	79	A	0.2	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	82	A	0.1	82	A	0.1	84	A	0.1	84	A	0.1	84
512	B	1.3	290	A	0.1	32	A	0.1	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.1	32	A	0.	32	A	0.	32	A	0.	32
513	A	1.2	82	A	0.2	95	A	0.2	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	85	A	0.1	85	A	0.1	87	A	0.1	87	A	0.1	87
514	A	1.3	79	A	0.2	88	A	0.2	88	A	0.1	100	A	0.1	84	A	0.1	84	A	0.2	84	A	0.2	84	A	0.2	84	A	0.2	84	A	0.1	84
515	A	1.3	79	A	0.6	87	A	0.6	87	A	0.1	100	A	0.1	84	A	0.1	84	A	0.2	84	A	0.2	84	A	0.2	84	A	0.2	84	A	0.1	84
516	A	1.2	82	A	2.3	150	A	2.2	150	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	85	A	0.1	85	A	0.1	85	A	0.1	85	A	0.1	85
517	A	1.4	74	A	0.2	93	A	0.2	93	C	3.9	246	C	3.6	164	C	3.2	164	A	0.2	89	A	0.2	89	A	0.2	89	A	0.2	89	A	0.1	89
518	A	1.3	64	A	0.1	64	A	0.1	64	C	0.1	143	C	0.1	143	C	0.3	143	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79
519	A	1.3	89	A	0.2	79	A	0.2	79	A	15.2	75	C	15.6	227	C	10.5	310	A	0.3	75	A	0.3	75	A	0.2	98	A	0.2	98	A	0.1	98
520	B	2.	400	A	0.1	37	A	0.1	37	A	0.	37	A	0.	37	A	0.	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.	37
521	C	5.4	93	C	3.3	93	C	3.3	93	A	0.3	97	A	0.3	97	A	0.3	97	A	0.3	97	A	0.4	97	A	0.3	118	A	0.3	118	A	0.2	118
522	C	5.6	96	C	3.6	96	C	3.5	96	A	0.2	99	A	0.2	99	A	0.2	99	A	0.3	99	A	0.3	99	A	0.3	97	A	0.3	97	A	0.2	97
523	C	7.5	94	C	6.9	94	C	6.9	94	A	0.2	99	A	0.2	99	A	0.2	99	A	0.3	99	A	0.3	99	A	0.3	97	A	0.3	97	A	0.2	97
524	C	9.4	113	C	8.1	113	C	8.	113	A	0.3	112	A	0.3	112	A	0.3	112	A	0.4	112	A	0.5	112	A	0.4	115	A	0.4	115	A	0.4	115
525	C	7.4	98	C	7.6	98	C	7.6	98	A	0.3	102	A	0.3	102	A	0.3	102	A	0.4	102	A	0.4	102	A	0.3	126	A	0.3	126	A	0.2	126
526	B	4.2	121	B	1.6	121	B	1.6	121	B	0.2	121	B	0.2	121	B	0.2	121	B	0.4	121	B	0.4	121	B	0.4	121	B	0.4	121	B	0.3	121
527	C	7.5	98	C	7.7	98	C	7.6	98	A	0.3	102	A	0.3	102	A	0.3	102	A	0.4	102	A	0.4	102	A	0.3	126	A	0.3	126	A	0.2	126
528	C	8.3	108	C	6.6	108	C	6.6	108	A	0.3	107	A	0.3	107	A	0.3	107	A	0.4	107	A	0.4	107	A	0.4	110	A	0.4	110	A	0.3	110
529	C	7.4	101	C	6.8	101	C	6.8	101	A	0.3	106	A	0.2	106	A	0.3	106	A	0.3	106	A	0.4	106	A	0.3	105	A	0.3	105	A	0.3	105
530	C	7.9	98	C	8.2	98	C	8.1	98	A	0.3	102	A	0.2	102	A	0.2	102	A	0.3	102	A	0.3	102	A	0.2	123	A	0.2	123	A	0.2	123
531	C	8.9	106	C	7.8	106	C	7.8	106	A	0.3	111	A	0.3	111	A	0.3	111	A	0.4	111	A	0.4	111	A	0.4	110	A	0.4	110	A	0.3	110
532	C	7.3	103	C	6.7	103	C	6.7	103	A	0.3	105	A	0.2	105	A	0.3	105	A	0.4	105	A	0.4	105	A	0.3	105	A	0.3	105	A	0.3	105
533	C	8.9	123	C	6.8	123	C	6.7	123	A	0.3	107	A	0.3	107	A	0.3	107	A	0.4	107	A	0.4	107	A	0.3	124	A	0.3	124	A	0.2	124
534	C	8.8	99	C	7.9	99	C	7.8	99	A	0.3	104	A	0.2	104	A	0.3	104	A	0.3	104	A	0.4	104	A	0.3	102	A	0.3	102	A	0.3	102
535	C	9.4	106	C	8.2	106	C	8.1	106	A	0.3	110	A	0.3	110	A	0.3	110	A	0.4	110	A	0.4	110	A	0.3	109	A	0.3	109	A	0.3	109
536	C	6.2	93	C	3.	93	C	2.9	93	A	0.2	97	A	0.2	97	A	0.2	97	A	0.2	97	A	0.2	97	A	0.2	97	A	0.2	97	A	0.2	97
537	C	8.9	103	C	7.5	103	C	7.3	103	A	0.3	107	A	0.3	107	A	0.3	107	A	0.4	107	A	0.5	107	A	0.3	127	A	0.3	127	A	0.3	127
538	C	8.9	103	C	7.5	103	C	7.5	103	A	0.3	107	A	0.3	107	A	0.3	107	A	0.5	107	A	0.5	107	A	0.3	130	A	0.3	130	A	0.2	130
539	C	6.5	93	C	6.5	93	C	6.4	93	A	0.3	97	A	0.3	97	A	0.3	97	A	0.4	97	A	0.5	97	A	0.2	120	A	0.2	120	A	0.2	120
540	C	8.5	97	C	7.9	97	C	7.9	97	A	0.2	104	A	0.2	104	A	0.2	104	A	0.3	104	A	0.3	104	A	0.3	105	A	0.3	105	A	0.3	105

Table 16 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
541	C	5.9	98	C	3.4	98	C	3.4	98	A	0.2	102	A	0.2	102	A	0.2	102	A	0.3	102	A	0.3	102	A	0.3	105	A	0.2	105	A	0.2	105
542	C	7.7	101	C	8.	101	C	7.9	101	A	0.3	106	A	0.2	106	A	0.3	106	A	0.3	106	A	0.4	106	A	0.3	105	A	0.3	105	A	0.3	105
543	C	9.3	106	C	9.	106	C	8.9	106	A	0.3	111	A	0.3	111	A	0.3	111	A	0.4	111	A	0.4	111	A	0.3	110	A	0.3	110	A	0.3	110
544	C	9.6	116	C	9.	116	C	8.9	116	A	0.3	117	A	0.3	117	A	0.3	117	A	0.5	117	A	0.5	117	A	0.4	120	A	0.4	120	A	0.3	120
545	C	9.6	113	C	8.1	113	C	8.	113	A	0.3	112	A	0.3	112	A	0.3	112	A	0.4	112	A	0.5	112	A	0.4	115	A	0.4	115	A	0.4	115
546	C	9.4	108	C	8.	108	C	7.9	108	A	0.3	112	A	0.3	112	A	0.3	112	A	0.4	112	A	0.5	112	A	0.3	132	A	0.3	132	A	0.3	132
547	C	9.1	104	C	8.9	104	C	8.8	104	A	0.3	109	A	0.2	109	A	0.3	109	A	0.3	109	A	0.4	109	A	0.4	107	A	0.4	107	A	0.3	107
548	C	6.1	98	C	3.6	98	C	3.5	98	A	0.2	102	A	0.2	102	A	0.2	102	A	0.3	102	A	0.3	102	A	0.3	105	A	0.2	105	A	0.2	105
549	C	8.1	101	C	8.7	101	C	8.6	101	A	0.2	107	A	0.2	107	A	0.2	107	A	0.3	107	A	0.4	107	A	0.3	105	A	0.3	105	A	0.3	105
550	C	9.4	108	C	8.7	108	C	8.6	108	A	0.3	112	A	0.3	112	A	0.3	112	A	0.5	112	A	0.5	112	A	0.3	132	A	0.3	132	A	0.3	132
551	C	8.8	103	C	7.4	103	C	7.4	103	A	0.3	107	A	0.3	107	A	0.3	107	A	0.4	107	A	0.5	107	A	0.3	127	A	0.3	127	A	0.3	127
552	C	5.7	93	C	5.5	93	C	5.4	93	A	0.3	97	A	0.3	97	A	0.3	97	A	0.5	97	A	0.5	97	A	0.2	117	A	0.2	117	A	0.2	117
553	C	9.	96	C	8.1	96	C	8.	96	A	0.2	100	A	0.2	100	A	0.2	100	A	0.3	100	A	0.3	100	A	0.3	97	A	0.3	97	A	0.2	97
554	C	8.9	103	C	7.5	103	C	7.4	103	A	0.3	107	A	0.3	107	A	0.3	107	A	0.4	107	A	0.4	107	A	0.3	131	A	0.3	131	A	0.2	131
555	C	8.	93	C	7.5	93	C	7.4	93	A	0.3	97	A	0.3	97	A	0.3	97	A	0.4	97	A	0.4	97	A	0.3	121	A	0.2	121	A	0.2	121
556	C	9.	94	C	7.4	94	C	7.3	94	A	0.2	100	A	0.2	100	A	0.2	100	A	0.3	100	A	0.3	100	A	0.3	100	A	0.3	100	A	0.2	100
557	C	4.6	88	C	1.	88	C	1.	88	A	0.2	92	A	0.1	92	A	0.2	92	A	0.2	92	A	0.2	92	A	0.2	92	A	0.1	92	A	0.1	92
558	C	4.5	96	C	3.4	96	C	3.3	96	A	0.1	98	A	0.1	98	A	0.1	98	A	0.2	98	A	0.2	98	A	0.2	97	A	0.2	97	A	0.2	97
559	C	7.7	106	C	6.9	106	C	6.7	106	A	0.2	105	A	0.2	105	A	0.3	105	A	0.3	105	A	0.4	105	A	0.3	105	A	0.3	105	A	0.3	105
560	C	5.5	93	C	7.3	93	C	7.3	93	A	0.2	97	A	0.2	97	A	0.2	97	A	0.3	97	A	0.3	97	A	0.1	118	A	0.1	118	A	0.1	118
561	C	8.3	106	C	8.3	106	C	8.2	106	A	0.3	107	A	0.3	107	A	0.3	107	A	0.4	107	A	0.4	107	A	0.3	109	A	0.3	109	A	0.3	109
562	C	8.5	111	C	8.5	111	C	8.4	111	A	0.3	112	A	0.3	112	A	0.3	112	A	0.5	112	A	0.5	112	A	0.4	115	A	0.3	115	A	0.3	115
563	C	16.5	201	C	15.8	201	C	15.7	201	C	1.2	201	C	1.1	201	C	1.1	201	C	1.7	201	C	1.9	201	C	1.7	201	C	1.7	201	C	1.4	201
564	C	23.5	449	C	23.3	449	C	23.3	449	C	3.7	449	C	3.8	449	C	3.8	449	C	6.1	449	C	6.8	449	C	8.3	449	C	8.9	449	C	6.8	449
565	C	4.7	74	C	1.4	74	C	1.3	74	C	0.1	74	C	0.1	74	C	0.1	74	C	0.2	74	C	0.2	74	C	0.2	74	C	0.2	74	C	0.2	74
566	C	7.3	98	C	7.	98	C	6.7	98	A	0.2	122	A	0.2	122	A	0.2	122	A	0.3	122	A	0.3	122	A	0.3	122	A	0.3	122	A	0.2	122
567	C	9.1	126	C	6.	126	C	5.9	126	A	0.2	130	A	0.2	130	A	0.2	130	A	0.3	130	A	0.3	130	A	0.2	130	A	0.2	130	A	0.2	130
568	C	7.6	98	C	8.1	98	C	8.	98	A	0.3	102	A	0.3	102	A	0.3	102	A	0.4	102	A	0.4	102	A	0.3	126	A	0.3	126	A	0.2	126
569	C	6.4	93	C	3.6	93	C	3.4	93	A	0.3	97	A	0.3	97	A	0.3	97	A	0.4	97	A	0.4	97	A	0.2	118	A	0.2	118	A	0.2	118
570	C	2.7	120	C	1.3	120	C	1.3	120	C	0.1	120	C	0.1	120	C	0.1	120	C	0.2	120	C	0.2	120	C	0.2	120	C	0.2	120	C	0.2	120
571	C	5.2	88	C	5.5	88	C	5.5	88	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92
572	C	9.9	121	C	8.2	121	C	8.1	121	A	0.2	125	A	0.2	125	A	0.2	125	A	0.3	125	A	0.4	125	A	0.3	128	A	0.3	128	A	0.3	128
573	C	8.7	111	C	6.9	111	C	6.7	111	A	0.2	115	A	0.2	115	A	0.2	115	A	0.3	115	A	0.3	115	A	0.3	118	A	0.3	118	A	0.2	118
574	C	4.3	101	C	5.5	101	C	5.4	101	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	105	A	0.2	105	A	0.1	105	A	0.1	105	A	0.1	105

Table 16 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
575	C	5.5	61	C	2.7	61	C	2.7	61	C	0.1	61	C	0.1	61	C	0.1	61	C	0.1	61	C	0.2	61	C	0.1	61	C	0.1	61	C	0.1	61
576	C	6.5	93	C	6.4	93	C	6.3	93	A	0.2	99	A	0.1	99	A	0.1	99	A	0.2	99	A	0.2	99	A	0.2	97	A	0.2	97	A	0.2	97
577	C	8.2	128	C	7.6	128	C	7.6	128	A	0.3	132	A	0.3	132	A	0.3	132	A	0.3	132	A	0.4	132	A	0.4	135	A	0.3	135	A	0.3	135
578	C	7.7	111	C	6.4	111	C	6.3	111	A	0.2	115	A	0.2	115	A	0.2	115	A	0.3	115	A	0.3	115	A	0.3	115	A	0.3	115	A	0.2	115
579	C	8.8	99	C	8.7	99	C	8.6	99	A	0.3	104	A	0.2	104	A	0.3	104	A	0.3	104	A	0.3	104	A	0.4	104	A	0.3	102	A	0.3	102
580	C	7.4	103	C	8.7	103	C	8.6	103	A	0.2	110	A	0.2	110	A	0.2	110	A	0.3	110	A	0.3	110	A	0.3	109	A	0.3	109	A	0.3	109
581	C	6.7	93	C	6.4	93	C	6.3	93	A	0.1	98	A	0.1	98	A	0.1	98	A	0.2	98	A	0.2	98	A	0.2	100	A	0.2	100	A	0.2	100
582	C	8.6	104	C	8.7	104	C	8.6	104	A	0.3	107	A	0.3	107	A	0.3	107	A	0.4	107	A	0.4	107	A	0.4	107	A	0.4	107	A	0.3	107
583	C	6.6	93	C	6.4	93	C	6.3	93	A	0.2	98	A	0.1	98	A	0.2	98	A	0.2	98	A	0.2	98	A	0.3	98	A	0.2	97	A	0.2	97
584	C	9.	109	C	9.	109	C	8.9	109	A	0.3	117	A	0.3	117	A	0.3	117	A	0.4	117	A	0.4	117	A	0.4	112	A	0.4	112	A	0.3	112
585	C	5.6	98	C	7.6	98	C	7.5	98	A	0.2	103	A	0.2	103	A	0.2	103	A	0.3	103	A	0.3	103	A	0.2	102	A	0.3	102	A	0.2	102
586	C	10.5	108	C	8.7	108	C	8.6	108	A	0.3	114	A	0.3	114	A	0.3	114	A	0.4	114	A	0.5	114	A	0.4	114	A	0.4	114	A	0.4	114
587	C	10.9	113	C	8.9	113	C	8.8	113	A	0.4	119	A	0.3	119	A	0.3	119	A	0.3	119	A	0.5	119	A	0.5	119	A	0.5	119	A	0.5	119
588	A	2.1	556	A	1.6	528	A	1.6	528	C	0.3	179	C	0.3	179	C	0.3	179	C	0.6	311	C	0.7	311	C	0.6	311	C	0.6	311	C	0.5	311
589	C	10.2	214	A	7.1	577	A	6.9	577	C	0.4	214	C	0.5	214	C	0.5	214	C	1.9	304	C	1.3	298	C	1.1	298	C	1.2	298	C	0.9	298
590	A	0.4	229	A	0.4	229	A	0.4	229	C	0.	73	C	0.	73	C	0.	73	C	0.2	76	C	0.2	76	C	0.2	76	C	0.2	76	C	0.2	76
591	C	0.	87	C	0.	87	C	0.	87	C	0.1	87	C	0.1	87	C	0.1	87	C	0.1	94	C	0.1	94	C	0.1	94	C	0.1	94	C	0.1	94
592	C	22.7	305	C	22.7	305	C	22.7	305	C	1.2	305	C	1.2	305	C	3.1	620	C	4.7	620	C	1.5	305	C	1.3	314	C	1.4	314	C	1.4	314
593	C	10.1	144	C	10.2	144	C	10.1	144	C	0.2	144	C	0.2	144	C	0.3	144	C	0.5	157	C	0.6	157	C	0.5	157	C	0.4	157	C	0.4	157
594	A	10.	32	A	10.	32	A	10.	32	A	0.	32	A	0.	32	A	0.	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32
595	A	1.8	547	C	10.2	148	C	10.1	148	C	0.2	148	C	0.2	148	C	0.2	148	C	5.3	559	C	1.7	226	C	1.5	226	C	1.4	226	C	1.3	226
596	C	10.3	214	C	10.3	214	C	10.3	214	C	0.4	214	C	0.5	214	C	0.5	214	C	1.5	208	C	1.1	218	C	1.2	207	C	1.2	207	C	0.9	207
597	A	0.4	227	A	0.3	227	A	0.3	227	A	0.4	227	A	0.4	227	A	0.4	227	C	0.3	155	C	0.1	48	C	0.1	48	C	0.1	48	C	0.1	48
598	A	0.2	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	C	0.6	241	C	0.3	134	C	0.2	134	C	0.2	134	C	0.2	134
599	A	0.3	74	A	0.1	74	A	0.1	74	A	0.	74	A	0.	74	A	0.	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74
600	A	0.3	75	A	0.1	75	A	0.1	75	A	0.	75	A	0.	76	A	0.	76	C	1.4	362	C	0.4	167	C	0.3	167	C	0.3	186	C	0.3	186
601	A	0.5	260	A	0.3	260	A	0.3	260	A	0.5	260	A	0.4	260	A	0.4	260	C	5.5	2361	C	1.4	252	C	1.2	252	C	1.1	252	C	1.	252
602	A	0.4	114	A	0.2	114	A	0.2	114	A	0.2	114	A	0.2	114	A	0.2	114	A	0.3	132	A	0.4	132	A	0.4	114	A	0.4	114	A	0.3	114
603	A	0.3	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.1	36	A	0.1	36	A	0.1	36	A	0.	36	A	0.	36
604	A	0.4	115	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	115	C	6.6	578	C	3.6	413	C	2.9	413	C	2.4	412	C	2.	412
605	A	0.6	184	A	0.3	184	A	0.3	184	A	0.5	184	A	0.5	184	A	0.5	184	C	2.7	426	C	1.7	360	C	1.4	360	C	1.2	357	C	1.	357
606	A	0.5	186	A	0.2	186	A	0.2	186	A	0.3	186	A	0.2	186	A	0.2	186	C	27.	12578	C	11.8	1088	C	9.3	1089	C	7.4	1088	C	6.2	1088
607	A	0.7	333	A	0.5	333	A	0.5	333	A	1.	333	A	0.9	333	A	0.9	333	C	26.5	38673	C	13.1	3163	C	10.7	3163	C	9.2	3163	C	7.2	3163
608	C	1.3	575	A	12.5	279	A	12.5	279	C	34.	1150	C	32.7	1150	C	48.5	1833	C	55.3	1833	C	50.5	1150	C	8.	1150	C	5.6	1148	C	4.6	1148

Table 16 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
609	A	0.5	286	A	0.2	286	A	0.2	286	A	0.3	286	A	0.2	286	A	0.2	286	A	0.7	285	A	0.8	285	A	0.7	285	A	0.6	285	A	0.5	285
610	A	1.	274	A	11.9	274	A	11.8	274	A	10.5	274	A	10.5	274	A	10.5	274	A	0.9	274	A	0.9	274	A	0.8	274	A	0.8	215	A	0.6	215
611	A	0.3	195	A	0.1	195	A	0.1	195	A	0.1	195	A	0.1	195	A	0.1	195	A	0.5	181	A	0.5	181	A	0.5	181	A	0.4	181	A	0.3	181
612	A	1.5	525	A	1.3	525	A	1.3	525	A	2.	525	A	2.4	525	A	2.4	525	C	43.	50481	C	28.6	4091	C	26.3	4259	C	22.9	4364	C	21.4	4364
613	A	0.4	148	A	0.1	148	A	0.1	148	A	0.1	148	A	0.1	148	A	0.1	148	C	14.2	3798	C	3.3	521	C	2.9	521	C	2.7	521	C	2.4	521
614	A	0.3	83	A	0.1	83	A	0.1	83	A	0.	83	A	0.	83	A	0.	83	C	1.2	319	C	0.5	193	C	0.4	193	C	0.4	193	C	0.3	193
615	A	0.5	108	A	0.2	108	A	0.2	108	A	0.3	108	A	0.4	108	A	0.4	108	B	2.5	304	A	0.6	108	A	0.5	108	A	0.6	108	A	0.5	108
616	A	0.4	130	A	0.2	130	A	0.2	130	A	0.2	130	A	0.2	130	A	0.2	130	B	1.4	308	A	0.3	130	A	0.3	130	A	0.2	130	A	0.2	130
617	A	0.3	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	123	A	0.1	123	A	0.9	122	A	0.4	122	A	0.3	122	A	0.3	122	A	0.2	122
618	A	0.4	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	B	0.9	298	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98
619	B	21.6	212	B	21.5	212	B	21.4	212	B	0.7	212	B	0.7	212	B	2.6	921	B	4.9	921	B	1.3	212	B	1.1	212	B	1.1	212	B	1.2	212
620	A	2.2	121	A	1.3	121	A	1.2	121	A	0.1	121	A	0.1	121	A	0.1	121	B	1.1	289	A	0.1	121	A	0.1	121	A	0.1	121	A	0.4	172
621	A	3.	241	A	2.7	241	A	2.7	241	A	0.3	241	A	0.3	241	A	0.3	241	B	5.7	816	A	0.4	241	A	0.4	241	A	0.4	241	B	1.4	404
622	B	2.8	262	B	2.2	262	B	2.1	262	B	0.2	262	B	0.2	262	B	0.2	262	B	3.5	825	B	0.3	262	B	0.3	262	B	0.3	262	B	0.9	406
623	A	0.3	75	A	0.1	75	A	0.1	75	A	0.	75	A	0.	75	A	0.	75	A	0.1	148	A	0.1	148	A	0.1	148	A	0.1	148	A	0.1	148
624	A	0.3	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63
625	A	0.3	55	A	0.1	55	A	0.1	55	A	0.	55	A	0.	55	A	0.	55	A	0.1	96	A	0.2	96	A	0.2	96	A	0.1	96	A	0.1	96
626	A	0.6	82	A	0.1	82	A	0.1	82	A	0.	82	A	0.	82	A	0.	82	A	0.3	161	A	0.4	161	A	0.3	161	A	0.3	161	A	0.3	161
627	A	0.6	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.6	220	A	0.7	220	A	0.6	220	A	0.4	220	A	0.3	220

## 2.15 1\_Algebraic\_functions\1.1Binomialproducts\1.1.1Linear\1.1.1.4(a+bx)^m(c+dx)^n(e+fx)^p(g+hx)^q

Table 17: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.5 99	A 0.3 103	A 0.3 103	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89
2	A 0.4 91	A 0.2 95	A 0.2 95	A 0. 81	A 0. 81	A 0. 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81
3	A 0.4 45	A 0.1 45	A 0.1 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45
4	A 0.2 101	A 0.2 101	A 0.2 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.3 101	A 0.4 101	A 0.3 101	A 0.3 101	A 0.3 101	A 0.2 101
5	A 0.5 123	A 0.4 123	A 0.4 123	A 0.4 124	A 0.5 124	A 0.5 124	A 0.2 124	A 0.3 124	A 0.2 124	A 0.2 124	A 0.2 124	A 0.2 124
6	A 0.7 195	A 0.8 195	A 0.8 195	A 0.6 260	A 0.7 260	A 0.7 260	A 0.5 184	A 0.6 184	A 0.5 184	A 0.6 184	A 0.4 184	A 0.4 184
7	A 0.2 157	A 0.2 157	A 0.2 157	A 0.2 146	A 0.2 146	A 0.2 146	A 0.3 157	A 0.4 157	A 0.3 161	A 0.3 161	A 0.2 161	A 0.2 161
8	A 1. 285	A 0.8 285	A 0.8 285	A 0.9 285	A 1.1 285	A 1.1 285	C 0.8 262	C 0.2 92	C 0.2 92	C 0.2 92	C 0.3 92	C 0.3 92
9	A 0.6 220	A 0.4 220	A 0.4 220	A 0.5 220	A 0.6 220	A 0.6 220	A 1.1 315	A 1.3 315	A 1.1 319	A 1. 319	A 0.8 319	A 0.8 319
10	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 1.7 246	F 0 0	F 0 0	F 0 0
11	C 12.4 180	C 10.8 180	C 10.7 180	C 0.6 180	C 0.6 180	C 0.6 180	C 0.9 180	C 0.9 180	C 0.8 180	C 0.8 180	C 0.7 180	C 0.7 180
12	B 42.8 4121	B 42.1 4121	A 35.4 461	B 14.3 3249	B 14.5 3247	B 14.5 3247	B 15.7 3247	B 16.3 3247	B 15.7 3249	B 16.8 3247	F 0 0	F 0 0
13	B 29.4 7319	B 30.4 7319	B 30.2 7319	B 14.2 6638	B 14.3 6638	B 14.4 6638	B 14.9 6638	B 15.4 6638	B 14.9 6638	B 14.8 6638	B 14.5 6638	B 14.5 6638
14	A 0.7 193	A 0.5 193	A 0.5 193	A 0.4 193	A 0.4 193	A 0.5 193	A 0.7 229	A 0.7 229	A 0.7 327	A 0.6 327	A 0.5 327	A 0.5 327
15	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
16	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 1.5 246	F 0 0	F 0 0	F 0 0
17	B 1. 167	A 0.1 37	A 0.1 37	A 0. 48	A 0. 48	A 0. 48	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39



## 2.16 1\_Algebraic\_functions\1.1Binomialproducts\1.1.2Quadratic\1.1.2.2(cx)^m(a+bx^2)^p

Table 18: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	gr
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	gr
1	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	
2	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	
3	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	
4	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	
5	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	
6	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	
7	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	
8	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	
9	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	
10	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	
11	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	
12	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	
13	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	
14	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	
15	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	
16	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	
17	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	
18	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	
19	A 0. 94	A 0. 94	A 0. 94	A 0. 94	A 0. 94	A 0. 94	A 0. 94	A 0. 94	A 0. 94	A 0. 94	A 0. 94	A 0. 94	
20	A 0. 100	A 0. 100	A 0. 100	A 0. 100	A 0. 100	A 0. 100	A 0. 100	A 0. 100	A 0. 100	A 0. 100	A 0. 100	A 0. 100	
21	B 0. 100	B 0. 100	B 0. 100	B 0. 100	B 0. 100	B 0. 100	B 0. 100	B 0. 100	B 0. 100	B 0. 100	B 0. 100	B 0. 100	
22	A 0. 104	A 0. 104	A 0. 104	A 0. 104	A 0. 104	A 0. 104	A 0. 104	A 0. 104	A 0. 104	A 0. 104	A 0. 104	A 0. 104	
23	A 0. 106	A 0. 106	A 0. 106	A 0. 106	A 0. 106	A 0. 106	A 0. 106	A 0. 106	A 0. 106	A 0. 106	A 0. 106	A 0. 106	
24	A 0. 106	A 0. 106	A 0. 106	A 0. 106	A 0. 106	A 0. 106	A 0. 106	A 0. 106	A 0. 106	A 0. 106	A 0. 106	A 0. 106	
25	A 0. 100	A 0. 100	A 0. 100	A 0. 100	A 0. 100	A 0. 100	A 0. 100	A 0. 100	A 0. 100	A 0. 100	A 0. 100	A 0. 100	
26	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	
27	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	
28	A 0. 71	A 0. 71	A 0. 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	
29	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	
30	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	

Table 18 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45
32	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54
33	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41
34	A 0. 57	A 0. 57	A 0. 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57
35	A 0. 48	A 0. 48	A 0. 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48
36	A 0. 59	A 0. 59	A 0. 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59
37	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0. 74	A 0.1 74
38	A 0. 96	A 0. 96	A 0. 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96
39	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0. 55	A 0. 55
40	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55
41	B 0. 101	B 0. 101	B 0. 101	B 0. 101	B 0. 101	B 0. 101	B 0. 101	B 0. 101	B 0. 101	B 0. 101	B 0. 101	B 0. 101	B 0. 101
42	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120
43	A 0.1 138	A 0.1 138	A 0. 138	A 0.1 138	A 0.1 138	A 0.1 138	A 0.1 138	A 0.1 138	A 0.1 147	A 0.1 147	A 0.1 147	A 0.1 147	A 0.1 147
44	A 0. 138	A 0. 138	A 0. 138	A 0.1 138	A 0.1 138	A 0.1 138	A 0.1 138	A 0.1 138	A 0.1 147	A 0.1 147	A 0.1 147	A 0.1 147	A 0.1 147
45	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 29
46	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
47	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24
48	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
49	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0. 94	A 0. 94	A 0. 94	A 0. 94	A 0. 94
50	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0.1 67	A 0.1 67	A 0. 87	A 0. 87	A 0. 87	A 0. 87	A 0. 88
51	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 17
52	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36
53	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50
54	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
55	A 0. 19	A 0. 17	A 0. 17	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
56	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
57	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
58	A 0.2 128	A 0.2 128	A 0.1 128	A 0.1 203	A 0.1 203	A 0.1 203	A 0.1 203	A 0.1 203	A 0.1 203	A 0.1 203	A 0.1 203	A 0.1 203	A 0.1 203
59	A 0.1 119	A 0.1 119	A 0.1 119	A 0. 78	A 0. 78	A 0. 78	A 0. 190	A 0.1 190	A 0. 190	A 0. 190	A 0. 190	A 0. 190	A 0. 190
60	A 0.3 128	A 0.3 128	A 0.2 128	C 0. 43	C 0. 43	C 0. 43	A 0.2 199	A 0.2 199	A 0.2 199	A 0.2 199	A 0.1 199	A 0.1 199	A 0.1 199
61	A 0.4 149	A 0.4 149	A 0.3 149	C 0. 27	C 0. 27	C 0. 27	A 0.2 234	A 0.2 234	A 0.2 234	A 0.2 234	A 0.1 234	A 0.1 234	A 0.1 234
62	A 0.1 55	A 0.1 55	A 0.1 55	C 0. 24	C 0. 24	C 0. 24	A 0. 100	A 0. 100	A 0. 100	A 0. 100	A 0.1 100	A 0. 100	A 0. 100
63	A 0.2 77	A 0.2 77	A 0.2 77	C 0. 22	C 0. 22	C 0. 22	A 0.2 121	A 0.2 121	A 0.1 121	A 0.2 121	A 0.1 121	A 0.1 121	A 0.1 121
64	A 0.1 72	A 0.1 72	A 0.1 72	A 0. 121	A 0. 121	A 0. 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121

Table 18 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	gr
65	A 0.2 82	A 0.2 82	A 0.2 82	C 0. 22	C 0. 22	C 0. 22	A 0.1 135	A 0.1 135	A 0.1 135	A 0.1 135	A 0.1 135	A 0.1 135	
66	A 0.2 72	A 0.1 72	A 0.1 72	A 0. 72	A 0. 72	A 0. 72	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	
67	A 0.1 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	
68	A 0.3 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0. 59	
69	A 0. 42	A 0.1 42	A 0. 42	A 0. 31	A 0. 31	A 0. 31	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	
70	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	
71	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	
72	A 0.1 73	A 0.1 73	A 0.1 73	C 0. 39	C 0. 39	C 0. 39	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	
73	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0.1 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	
74	A 0.1 68	A 0.1 68	A 0.1 68	C 0. 37	C 0. 37	C 0. 37	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	
75	A 0.1 69	A 0.1 71	A 0.1 71	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0. 71	
76	A 0.1 69	A 0.2 77	A 0.1 77	C 0. 54	C 0. 54	C 0. 54	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0. 73	A 0. 73	
77	A 0. 21	A 0.1 21	A 0.1 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	
78	A 0.1 64	A 0.1 64	A 0.1 64	A 0. 64	A 0. 64	A 0. 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0. 64	A 0. 64	A 0. 64	
79	A 0.1 83	A 0.1 83	A 0.1 83	A 0. 83	A 0. 83	A 0. 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0. 83	A 0. 83	
80	A 0.2 91	A 0.1 92	A 0.1 92	C 0. 39	C 0. 39	C 0. 39	A 0.1 105	A 0.2 105	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	
81	A 0.4 108	A 0.2 106	A 0.2 106	C 0. 39	C 0. 39	C 0. 39	A 0.1 123	A 0.1 123	A 0.1 123	A 0.1 123	A 0.1 123	A 0.1 123	
82	A 0.4 117	A 0.2 117	A 0.2 117	C 0. 39	C 0. 39	C 0. 39	A 0.2 134	A 0.2 134	A 0.2 134	A 0.1 134	A 0.1 134	A 0.1 134	
83	A 0.1 53	A 0.2 53	A 0.1 53	A 0. 53	A 0. 53	A 0. 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0. 53	A 0. 53	
84	A 0. 27	A 0. 32	A 0. 32	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	
85	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	
86	A 0. 48	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 61	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	
87	A 0. 43	A 0. 44	A 0. 44	A 0. 46	A 0. 46	A 0. 56	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	
88	A 0. 39	A 0. 39	A 0. 39	A 0. 55	A 0. 55	A 0. 55	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	
89	A 0.1 62	A 0.1 62	A 0.1 62	C 0. 37	C 0. 37	C 0. 37	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0. 78	A 0. 92	
90	A 0. 41	A 0. 41	A 0. 41	C 0. 33	C 0. 33	C 0. 33	A 0. 48	A 0.1 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	
91	A 0. 28	A 0. 28	A 0. 28	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	
92	A 0.1 60	A 0.1 60	A 0.1 60	C 0. 35	C 0. 35	C 0. 35	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	
93	A 0. 42	A 0.1 42	A 0.1 42	A 0. 40	A 0. 40	A 0. 40	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	
94	A 0.1 70	A 0.2 78	A 0.2 78	A 0.1 90	A 0.1 90	A 0.2 90	A 0.1 73	A 0.2 73	A 0.1 92	A 0.1 92	A 0. 92	A 0. 94	
95	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	
96	A 0. 53	A 0.1 53	A 0.1 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	
97	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 27	
98	A 0. 39	A 0. 39	A 0. 39	A 0. 37	A 0. 37	A 0. 37	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 45	

Table 18 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
99	A 0. 39	A 0. 39	A 0. 39	A 0. 37	A 0. 37	A 0. 37	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 45	A 0. 45
100	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
101	A 0. 36	A 0. 37	A 0. 37	A 0. 36	A 0. 36	A 0. 36	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 39
102	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
103	A 0. 19	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 22
104	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
105	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
106	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
107	A 0. 25	A 0. 30	A 0. 30	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
108	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 32
109	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28
110	C 0. 56	C 8.1 56	C 7.4 56	C 0. 56	C 0. 56	C 0. 56	C 0.3 174	C 0.3 174	C 0.3 174	C 0.3 174	C 0.2 174	C 0.2 174	C 0.2 174
111	C 0. 51	C 7.3 51	C 6.7 51	C 0. 51	C 0. 51	C 0. 51	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 106
112	C 0. 51	C 10. 51	C 10. 51	C 0. 51	C 0. 51	C 0. 51	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83
113	C 0. 69	C 10. 69	C 10. 69	C 0. 69	C 0. 69	C 0. 69	C 0.3 106	C 0.3 106	C 0.2 125	C 0.2 125	C 0.1 125	C 0.1 125	C 0.1 125
114	C 0. 54	C 10. 54	C 10. 54	C 0. 54	C 0. 54	C 0. 54	C 0. 90	C 0. 90	C 0. 90	C 0. 90	C 0. 90	C 0. 90	C 0. 90
115	C 0. 56	C 10. 56	C 10. 56	C 0. 56	C 0. 56	C 0. 56	C 0.2 198	C 0.3 198	C 0.2 198	C 0.2 198	C 0.1 198	C 0.1 198	C 0.1 198
116	C 0. 57	C 10. 57	C 10. 57	C 0. 57	C 0. 57	C 0. 57	C 0.2 180	C 0.2 180	C 0.2 180	C 0.2 180	C 0.1 180	C 0.1 180	C 0.1 180
117	C 0. 59	C 10. 59	C 10. 59	C 0. 59	C 0. 59	C 0. 59	C 0.4 194	C 0.3 194	C 0.4 194	C 0.3 194	C 0.2 194	C 0.2 194	C 0.2 194
118	C 0. 61	C 10. 61	C 10. 61	C 0. 61	C 0. 61	C 0. 61	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112
119	C 0. 53	C 10. 53	C 10. 53	C 0. 53	C 0. 53	C 0. 53	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0. 77	A 0. 77	A 0. 77
120	C 0. 59	C 10. 59	C 10. 59	C 0. 59	C 0. 59	C 0. 59	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108
121	C 0. 59	C 10. 59	C 9.7 59	C 0. 59	C 0. 59	C 0. 59	A 0.2 91	A 0.2 91	A 0.2 91	A 0.2 91	A 0.1 91	A 0.1 91	A 0.1 91
122	C 0. 24	C 10. 24	C 10. 24	C 0. 24	C 0. 24	C 0. 24	C 0.1 65	C 0.1 65	C 0.1 65	C 0.1 65	C 0.1 65	C 0.1 65	C 0.1 65
123	A 0.2 66	A 0.2 66	A 0.2 66	A 0. 66	A 0. 66	A 0. 66	B 0.1 109	B 0.1 109	B 0.1 109	B 0.1 109	B 0.1 109	B 0.1 109	B 0.1 109
124	A 0.4 65	A 0.2 65	A 0.1 65	A 0. 65	A 0. 65	A 0. 65	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63
125	C 0.6 103	C 0.4 103	C 0.4 103	C 0.1 103	C 0.1 103	C 0.1 103	C 0.2 131	C 0.2 131	C 0.2 131	C 0.2 131	C 0.1 131	C 0.1 135	C 0.1 135
126	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50
127	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
128	A 0. 28	A 0. 39	A 0. 39	A 0. 28	A 0. 28	A 0. 28	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39
129	A 0.2 136	A 0.2 136	A 0.2 136	C 0. 37	C 0. 37	C 0. 37	C 0. 67	C 0. 67	C 0. 67	C 0. 67	C 0. 67	C 0. 67	C 0. 67
130	A 0.2 159	A 0.2 158	A 0.2 158	C 0. 39	C 0. 39	C 0. 39	C 0. 83	C 0. 83	C 0. 83	C 0. 83	C 0. 83	C 0. 83	C 0. 83
131	A 0.1 140	A 0.1 135	A 0.1 135	A 0.1 144	A 0.1 144	A 0.1 144	C 0. 76	C 0.1 76	C 0. 76	C 0. 76	C 0. 76	C 0. 76	C 0. 76
132	A 0.2 147	A 0.2 140	A 0.2 140	C 0. 37	C 0. 37	C 0. 37	C 0.1 73	C 0.1 73	C 0.1 73	C 0. 73	C 0. 73	C 0. 73	C 0. 73

Table 18 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
133	A 0.3 148	A 0.2 148	A 0.2 148	C 0. 39	C 0. 39	C 0. 39	C 0. 80	C 0. 80	C 0. 80	C 0. 80	C 0. 80	C 0. 80	C 0. 80
134	C 0. 67	C 6.2 67	C 6. 67	C 0.1 67	C 0.1 67	C 0.1 67	C 0.1 90	C 0.1 90	C 0.1 90	C 0.1 90	C 0. 90	C 0.1 90	C 0.1 90
135	C 0. 47	C 5.8 47	C 5.7 47	C 0. 47	C 0. 47	C 0. 47	C 0. 76	C 0. 76	C 0. 76	C 0. 76	C 0. 76	C 0. 76	C 0. 76
136	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13
137	A 0. 103	A 0.1 103	A 0.1 103	A 0. 70	A 0. 70	A 0. 70	C 0. 48	C 0. 48	C 0. 48	C 0. 48	C 0. 48	C 0. 48	C 0. 48
138	A 0.1 161	A 0.1 143	A 0.1 143	C 0. 39	C 0. 39	C 0. 39	C 0.1 83	C 0.1 83	C 0. 83	C 0. 83	C 0. 83	C 0. 83	C 0. 83
139	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50
140	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
141	C 0. 52	C 5.6 52	C 5.4 52	C 0. 52	C 0. 52	C 0. 52	C 0. 70	C 0.1 70	C 0. 70	C 0. 70	C 0. 70	C 0. 70	C 0. 70
142	A 0.5 173	A 1. 173	A 1. 173	C 0. 56	C 0. 56	C 0. 56	C 0. 68	C 0.1 68	C 0. 68	C 0. 68	C 0. 68	C 0. 68	C 0. 68
143	A 0. 63	A 2.9 47	A 2.9 47	A 0. 52	A 0. 52	A 0. 52	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63
144	C 0. 85	C 10. 85	C 10. 85	C 0. 85	C 0. 85	C 0. 85	C 0. 85	C 0.1 85	C 0. 85	C 0. 85	C 0. 85	C 0. 85	C 0.1 85
145	C 0. 54	C 10. 54	C 10. 54	C 0. 54	C 0. 54	C 0. 54	C 0. 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63
146	A 0. 56	A 10. 56	A 10. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 69	A 0.1 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69
147	A 0. 54	A 10. 54	A 10. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 72	A 0.1 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72
148	A 0.5 230	A 1.7 230	A 1.7 230	C 0.1 89	C 0.1 89	C 0.1 89	C 0.1 96	C 0.1 96	C 0.1 96	C 0.1 96	C 0. 96	C 0. 96	C 0. 96
149	C 0. 57	C 10. 57	C 10. 57	C 0. 57	C 0. 57	C 0. 57	C 0.1 84	C 0.1 84	C 0.1 84	C 0.1 84	C 0. 84	C 0. 84	C 0. 84
150	A 0. 56	A 10. 56	A 10. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57
151	C 0. 47	C 5.9 47	C 5.7 47	C 0. 47	C 0. 47	C 0. 47	C 0. 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63
152	C 0. 52	C 10. 52	C 10. 52	C 0. 52	C 0. 52	C 0. 52	C 0. 84	C 0. 84	C 0. 84	C 0. 84	C 0. 84	C 0. 84	C 0. 84
153	C 0. 52	C 10. 52	C 10. 52	C 0. 52	C 0. 52	C 0. 52	C 0.1 84	C 0.1 84	C 0.1 84	C 0.1 84	C 0. 84	C 0. 84	C 0. 84
154	C 0. 47	C 7.3 47	C 7.1 47	C 0. 47	C 0. 47	C 0. 47	C 0. 76	C 0. 76	C 0. 76	C 0. 76	C 0. 76	C 0. 76	C 0. 76
155	C 0. 51	C 10. 51	C 10. 51	C 0. 51	C 0. 51	C 0. 51	C 0.1 83	C 0.1 83	C 0.1 83	C 0.1 83	C 0. 83	C 0. 83	C 0. 83
156	C 0. 89	C 6. 89	C 5.8 89	C 0.1 89	C 0. 89	C 0. 89	C 0.1 89	C 0.1 89	C 0.1 89	C 0.1 89	C 0. 89	C 0. 89	C 0. 89
157	C 0. 47	C 5.8 47	C 5.5 47	C 0. 47	C 0. 47	C 0. 47	C 0. 48	C 0. 48	C 0. 48	C 0. 48	C 0. 48	C 0. 48	C 0. 48
158	C 0. 52	C 10. 52	C 10. 52	C 0. 52	C 0. 52	C 0. 52	C 0.1 95	C 0.1 95	C 0.1 95	C 0.1 95	C 0. 95	C 0. 95	C 0. 95
159	C 0. 49	C 6.2 49	C 5.9 49	C 0. 49	C 0. 49	C 0. 49	C 0. 70	C 0.1 70	C 0. 70	C 0. 70	C 0. 70	C 0. 70	C 0. 70
160	C 0. 78	C 6.8 78	C 6.5 78	C 0. 78	C 0. 78	C 0. 78	C 0.1 78	C 0.1 78	C 0.1 78	C 0.1 78	C 0. 78	C 0. 78	C 0. 78
161	C 0. 53	C 6.3 53	C 5.9 53	C 0. 53	C 0. 53	C 0. 53	C 0. 53	C 0. 53	C 0. 53	C 0. 53	C 0. 53	C 0. 53	C 0. 53
162	C 0. 66	C 6.7 66	C 6.4 66	C 0. 66	C 0. 66	C 0. 66	C 0.1 65	C 0.1 65	C 0.1 65	C 0. 65	C 0. 65	C 0. 65	C 0. 66
163	C 0. 53	C 6.5 53	C 6.3 53	C 0. 53	C 0. 53	C 0. 53	C 0. 71	C 0.1 71	C 0. 71	C 0. 71	C 0. 71	C 0. 71	C 0. 71
164	C 0. 72	C 7.4 72	C 7.2 72	C 0. 72	C 0. 72	C 0. 72	C 0.1 72	C 0.1 72	C 0.1 72	C 0.1 72	C 0.1 72	C 0.1 72	C 0. 72
165	C 0. 75	C 7.6 75	C 7.4 75	C 0. 75	C 0. 75	C 0. 75	C 0.1 75	C 0.1 75	C 0.1 75	C 0.1 75	C 0.1 75	C 0.1 75	C 0. 75
166	C 0. 27	C 5.3 27	C 5.1 27	C 0. 27	C 0. 27	C 0. 27	C 0. 46	C 0. 46	C 0. 46	C 0. 46	C 0. 46	C 0. 46	C 0. 46

Table 18 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
167	C 0. 29	C 10. 29	C 10. 29	C 0. 29	C 0. 29	C 0. 29	C 0. 62	C 0. 62	C 0. 62	C 0. 62	C 0. 62	C 0. 62	C 0. 62
168	C 0. 27	C 5.6 27	C 5.5 27	C 0. 27	C 0. 27	C 0. 27	C 0. 46	C 0. 46	C 0. 46	C 0. 46	C 0. 46	C 0. 46	C 0. 46
169	C 0. 29	C 10. 29	C 10. 29	C 0. 29	C 0. 29	C 0. 29	C 0. 58	C 0. 58	C 0. 62	C 0. 62	C 0. 62	C 0. 62	C 0. 62
170	C 0. 29	C 10. 29	C 10. 29	C 0. 29	C 0. 29	C 0. 29	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55
171	C 0. 57	C 5.3 57	C 5. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57
172	C 0. 48	C 10. 48	C 10. 48	C 0. 48	C 0. 48	C 0. 48	C 0. 76	C 0. 76	C 0. 76	C 0. 76	C 0. 76	C 0. 76	C 0. 76
173	C 0. 63	C 5.4 63	C 5.1 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63
174	C 0. 46	C 5.3 46	C 5. 46	C 0. 46	C 0. 46	C 0. 46	C 0. 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63
175	C 0. 57	C 5.3 57	C 5. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57
176	C 0. 43	C 5.2 43	C 4.9 43	C 0. 43	C 0. 43	C 0. 43	C 0. 41	C 0. 41	C 0. 41	C 0. 41	C 0. 41	C 0. 41	C 0. 41
177	C 0. 48	C 10. 48	C 10. 48	C 0. 48	C 0. 48	C 0. 48	C 0. 76	C 0. 76	C 0. 76	C 0. 76	C 0. 76	C 0. 76	C 0. 76
178	C 0. 102	C 10. 102	C 10. 102	C 0.1 102	C 0.1 102	C 0.1 102	C 0.1 98	C 0.1 98	C 0.1 98	C 0.1 98	C 0.1 98	C 0.1 98	C 0.1 98
179	C 0. 56	C 10. 56	C 10. 56	C 0. 56	C 0. 56	C 0. 56	C 0.1 103	C 0.1 103	C 0.1 103	C 0.1 103	C 0.1 103	C 0.1 103	C 0.1 103
180	A 0.4 177	A 0.6 177	A 0.6 177	C 0.1 88	C 0.1 88	C 0.1 88	C 0.1 84	C 0.1 84	C 0.1 84	C 0.1 84	C 0.1 84	C 0.1 84	C 0.1 85
181	A 0.1 97	A 0.3 97	A 0.3 97	A 0. 97	A 0. 97	A 0. 97	C 0.1 69	C 0.1 69	C 0.1 69	C 0.1 69	C 0.1 69	C 0.1 69	C 0.1 69
182	A 0.1 65	A 0.2 65	A 0.2 65	A 0. 65	A 0. 65	A 0. 65	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55
183	A 0. 41	A 0.2 36	A 0.2 36	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41
184	C 0. 56	C 10. 56	C 10. 56	C 0. 56	C 0. 56	C 0. 56	C 0.1 103	C 0.1 103	C 0.1 103	C 0.1 103	C 0.1 103	C 0.1 103	C 0.1 103
185	A 0.2 125	A 0.4 125	A 0.4 125	A 0.1 197	A 0.1 197	A 0.1 197	C 0. 56	C 0. 56	C 0. 56	C 0. 56	C 0. 56	C 0. 56	C 0. 56
186	A 0. 27	A 0.2 27	A 0.2 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
187	C 0. 55	C 10. 55	C 10. 55	C 0. 55	C 0. 55	C 0. 55	C 0.1 76	C 0.1 76	C 0.1 76	C 0.1 76	C 0.1 76	C 0.1 76	C 0.1 76
188	C 0. 57	C 10. 57	C 10. 57	C 0. 57	C 0. 57	C 0. 57	C 0.1 104	C 0.1 104	C 0.1 104	C 0.1 104	C 0.1 104	C 0.1 104	C 0.1 104
189	C 0. 66	C 10. 66	C 10. 66	C 0. 66	C 0. 66	C 0. 66	C 0. 66	C 0.1 66	C 0. 66	C 0. 66	C 0. 66	C 0. 66	C 0. 66
190	C 0. 54	C 10. 54	C 10. 54	C 0. 54	C 0. 54	C 0. 54	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55
191	A 0.1 67	A 0.2 67	A 0.2 67	A 0. 67	A 0. 67	A 0. 67	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57
192	A 0. 24	A 0.2 24	A 0.2 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24
193	A 0.2 127	A 0.4 127	A 0.4 127	A 0. 75	A 0. 75	A 0. 75	C 0. 58	C 0. 58	C 0. 58	C 0. 58	C 0. 58	C 0. 58	C 0. 58
194	A 0. 52	A 0.4 47	A 0.4 47	A 0. 47	A 0. 47	A 0. 47	A 0. 52	A 0.1 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52
195	C 0. 87	C 10. 87	C 10. 87	C 0. 87	C 0. 87	C 0. 87	C 0.1 87	C 0.1 87	C 0.1 87	C 0.1 87	C 0.1 87	C 0.1 87	C 0.1 87
196	C 0. 60	C 10. 60	C 10. 60	C 0. 60	C 0. 60	C 0. 60	C 0.1 60	C 0.1 60	C 0.1 60	C 0. 60	C 0. 60	C 0. 60	C 0. 60
197	C 0. 59	C 10. 59	C 10. 59	C 0. 59	C 0. 59	C 0. 59	C 0.1 86	C 0.1 86	C 0.1 86	C 0.1 86	C 0.1 86	C 0.1 86	C 0.1 86
198	A 0. 54	A 10. 54	A 10. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55
199	A 0. 54	A 10. 54	A 10. 54	A 0. 54	A 0. 54	A 0. 54	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75
200	C 0. 90	C 7.9 90	C 7.5 90	C 0. 90	C 0. 90	C 0. 90	C 0.1 90	C 0.1 90	C 0.1 90	C 0.1 90	C 0.1 90	C 0.1 90	C 0.1 90

Table 18 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	gr
201	C 0. 62	C 7.6 62	C 7.2 62	C 0. 62	C 0. 62	C 0. 62	C 0. 62	C 0.1 62	C 0. 62	C 0. 62	C 0. 62	C 0.1 62	
202	C 0. 49	C 8.2 49	C 7.8 49	C 0. 49	C 0. 49	C 0. 49	C 0. 70	C 0.1 70	C 0. 70	C 0. 70	C 0. 70	C 0. 70	
203	C 0. 51	C 10. 51	C 10. 51	C 0. 51	C 0. 51	C 0. 51	C 0. 83	C 0. 83	C 0. 83	C 0. 83	C 0. 83	C 0. 83	
204	C 0. 54	C 10. 54	C 10. 54	C 0. 54	C 0. 54	C 0. 54	C 0.1 83	C 0.1 83	C 0.1 83	C 0. 83	C 0. 83	C 0. 83	
205	A 0.8 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0. 95	A 0. 95	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0. 93	A 0. 93	
206	A 0.8 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	
207	A 0.4 49	A 0.1 49	A 0.1 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	
208	A 0.4 49	A 0.1 49	A 0.1 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	
209	A 0.4 51	A 0.1 51	A 0.1 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	
210	A 0.3 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	
211	A 0.3 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0.1 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	
212	A 0.3 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0.1 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	
213	A 0.3 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	
214	A 0.3 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 62	A 0.1 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	

## 2.17 1\_Algebraic\_functions\1.1Binomialproducts\1.1.2Quadratic\1.1.2.y(cx)^mPq(x)(a+bx^2)^p

Table 19: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.2 87	A 0.1 87	A 0.1 87	A 0.2 93	A 0.2 93	A 0.2 93	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 90
2	A 0.2 88	A 0.2 88	A 0.2 88	A 0.2 99	A 0.2 99	A 0.2 99	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 98
3	A 0.2 118	A 0.2 118	A 0.2 118	A 0.2 126	A 0.2 126	A 0.2 126	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 121
4	A 0.3 107	A 0.2 107	A 0.2 107	A 0.2 113	A 0.2 113	A 0.2 113	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 110
5	A 0.3 111	A 0.3 111	A 0.3 111	C 0.2 105	C 0.2 105	C 0.2 105	A 0.1 113	A 0.2 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 124
6	A 0.3 125	A 0.3 125	A 0.3 125	A 0.3 131	A 0.3 131	A 0.3 131	A 0.1 126	A 0.1 126	A 0.1 126	A 0.1 126	A 0.1 126	A 0.1 126	A 0.1 128
7	A 0.4 130	A 0.4 130	A 0.4 130	A 0.3 139	A 0.3 139	A 0.4 139	A 0.2 132	A 0.2 132	A 0.2 132	A 0.2 132	A 0.2 132	A 0.1 132	A 0.1 143
8	A 0.5 132	A 0.5 132	A 0.5 132	C 0. 92	C 0. 92	C 0. 92	A 0.2 135	A 0.2 135	A 0.2 135	A 0.2 135	A 0.2 135	A 0.1 135	A 0.1 148
9	A 0.2 65	A 0.2 65	A 0.2 65	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0. 84
10	A 0.3 69	A 0.3 69	A 0.3 69	A 0. 67	A 0. 67	A 0. 67	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 62
11	A 0.4 44	A 0.3 44	A 0.3 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0.1 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44
12	A 0.4 79	A 0.3 79	A 0.3 79	A 0.1 69	A 0.1 69	A 0.1 69	A 0.3 79	A 0.3 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 90
13	A 1.1 156	A 1.1 156	A 1.1 156	A 0.4 165	A 0.4 165	A 0.5 165	A 0.3 157	A 0.3 157	A 0.2 146	A 0.2 146	A 0.2 146	A 0.2 146	A 0.2 148
14	A 0.2 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100
15	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65
16	A 0. 98	A 0. 98	A 0. 98	A 0. 98	A 0. 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0. 98	A 0. 98
17	A 0. 88	A 0. 88	A 0. 88	A 0. 88	A 0. 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0. 88	A 0. 88	A 0. 88
18	A 0. 149	A 0. 149	A 0. 149	A 0. 149	A 0. 149	A 0. 149	A 0. 149	A 0. 149	A 0. 149	A 0. 149	A 0. 149	A 0. 149	A 0. 149
19	A 0.1 130	A 0. 130	A 0. 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.2 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130
20	A 0.1 114	A 0.1 114	A 0.1 114	A 0.1 114	A 0.1 114	A 0.1 114	A 0.2 114	A 0.2 114	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117
21	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100
22	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.2 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83
23	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.2 99	A 0.2 99	A 0.2 99	A 0.2 99	A 0.2 99	A 0.1 99	A 0.1 99
24	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.2 104	A 0.2 104	A 0.2 104	A 0.2 104	A 0.2 104	A 0.1 104	A 0.1 104
25	A 0.1 141	A 0.1 141	A 0.1 141	A 0.1 141	A 0.1 141	A 0.1 141	A 0.2 141	A 0.2 141	A 0.1 141	A 0.1 141	A 0.1 141	A 0.1 141	A 0.1 141
26	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
27	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
28	A 0.1 210	A 0.1 210	A 0.1 210	A 0.1 210	A 0.1 210	A 0.2 210	A 0.2 210	A 0.3 210	A 0.2 210	A 0.2 210	A 0.2 210	A 0.2 210	A 0.2 210
29	A 0.1 276	A 0.1 276	A 0.1 276	A 0.2 276	A 0.2 276	A 0.2 276	A 0.2 276	A 0.3 276	A 0.2 276	A 0.2 276	A 0.2 276	A 0.2 276	A 0.2 276
30	A 0.1 122	A 0.1 122	A 0.1 122	A 0.2 122	A 0.1 122	A 0.1 122	A 0.1 122	A 0.2 122	A 0.1 122	A 0.1 122	A 0.1 122	A 0.1 122	A 0.1 122



Table 19 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0.3 126	A 0.2 126	A 0.3 126	C 1. 162	C 0.9 162	C 1.1 162	A 0.2 166	A 0.3 166	A 0.2 166	A 0.2 166	A 0.2 166	A 0.1 195	A
32	A 0.4 159	A 0.3 159	A 0.4 159	C 0.3 140	C 0.3 140	C 0.4 140	A 0.3 199	A 0.4 199	A 0.3 199	A 0.3 199	A 0.2 199	A 0.2 231	A
33	A 0.7 159	A 0.7 159	A 0.6 159	A 0.2 149	A 0.2 149	A 0.2 149	A 0.2 152	A 0.2 152	A 0.2 152	A 0.2 152	A 0.1 152	A 0.1 154	A
34	A 0.2 98	A 0.2 98	A 0.2 98	A 0.1 95	A 0.1 95	A 0.1 95	A 0.2 98	A 0.2 98	A 0.2 98	A 0.1 98	A 0.1 98	A 0.1 100	A
35	A 0.6 202	A 0.6 202	A 0.6 202	A 0.2 202	A 0.2 202	A 0.2 202	A 0.3 202	A 0.3 202	A 0.3 202	A 0.2 202	A 0.2 202	A 0.2 202	A

## 2.18 1\_Algebraic\_functions\1.1Binomialproducts\1.1.3General\1.1.3.2(cx)^m(a+bx^n)^p

Table 20: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	g
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	
2	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	
3	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	
4	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	
5	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	
6	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	
7	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	
8	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	
9	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	
10	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	
11	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	
12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	
13	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	
14	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	
15	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	
16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	
17	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	
18	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	
19	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	
20	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	
21	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	
22	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	
23	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	
24	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	
25	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	
26	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	
27	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	
28	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	
29	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	
30	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	



Table 20 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
65	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	
66	A 0.1 129	A 0.1 129	A 0.1 129	A 0.1 129	A 0.1 129	A 0.1 129	A 0.1 129	A 0.2 129	A 0.1 129	A 0.1 129	A 0.1 129	A 0.1 129	
67	A 0.1 140	A 0. 140	A 0. 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	
68	A 0.1 141	A 0.1 141	A 0.1 141	A 0.1 141	A 0.1 141	A 0.1 141	A 0.2 141	A 0.2 141	A 0.2 141	A 0.1 141	A 0.1 141	A 0.1 141	
69	A 0.1 138	A 0. 138	A 0. 138	A 0.1 138	A 0.1 138	A 0.1 138	A 0.1 138	A 0.1 138	A 0.1 138	A 0.1 138	A 0.1 138	A 0.1 138	
70	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	
71	A 0. 101	A 0. 101	A 0. 101	A 0. 101	A 0. 101	A 0. 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0. 101	A 0. 101	
72	A 0. 39	A 0. 50	A 0. 50	A 0. 39	A 0. 39	A 0. 39	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	
73	A 0.1 47	A 0.1 47	A 0.1 47	A 0. 59	A 0. 59	A 0. 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	
74	C 0. 94	C 4.1 94	C 3.9 94	C 0. 94	C 0. 94	C 0.1 94	C 0.4 184	C 0.4 184	C 0.4 184	C 0.4 184	C 0.3 184	C 0.2 184	
75	C 0. 62	C 3.9 62	C 3.6 62	C 0. 62	C 0. 62	C 0. 62	C 0.6 168	C 0.7 168	C 0.6 168	C 0.6 168	C 0.4 168	C 0.4 168	
76	C 0. 51	C 9. 51	C 8.3 51	C 0. 51	C 0. 51	C 0. 51	C 0.5 158	C 0.6 158	C 0.5 158	C 0.6 158	C 0.5 158	C 0.4 158	
77	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	
78	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	
79	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	
80	C 0. 51	C 10. 51	C 10. 51	C 0. 51	C 0. 51	C 0. 51	C 0.5 161	C 0.7 161	C 0.6 161	C 0.5 161	C 0.4 161	C 0.3 161	
81	A 0. 46	A 0.1 46	A 0. 46	C 0. 36	C 0. 36	C 0. 36	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	
82	A 0.1 57	A 0.1 57	A 0.1 57	C 0. 37	C 0. 37	C 0. 37	A 0.3 64	A 0.3 64	A 0.3 64	A 0.2 64	A 0.2 64	A 0.2 64	
83	C 0. 55	C 4.7 55	C 4.4 55	C 0. 55	C 0. 55	C 0. 55	C 1.4 216	C 1.6 216	C 1.4 216	C 1.4 216	C 1. 216	C 0.9 216	
84	A 0. 42	A 0. 43	A 0. 43	C 0. 26	C 0. 26	C 0. 26	A 0. 42	A 0. 42	A 0. 47	A 0. 47	A 0. 47	A 0. 47	
85	C 0. 17	C 10. 17	C 10. 17	C 0. 17	C 0. 17	C 0. 17	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0. 88	A 0. 88	
86	C 0. 22	C 10. 22	C 10. 22	C 0. 22	C 0. 22	C 0. 22	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 110	
87	C 0. 34	C 10. 34	C 10. 34	C 0. 34	C 0. 34	C 0. 34	A 0.4 138	A 0.5 138	A 0.3 138	A 0.3 138	A 0.3 138	A 0.2 138	
88	C 10. 22	C 10. 22	C 10. 22	C 0. 22	C 0. 22	C 0. 22	A 0.1 123	A 0.1 123	A 0. 123	A 0. 123	A 0. 123	A 0. 123	
89	C 0. 20	C 10. 20	C 10. 20	C 0. 20	C 0. 20	C 0. 20	A 0.3 138	A 0.4 138	A 0.3 138	A 0.3 138	A 0.2 138	A 0.2 138	
90	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	
91	C 0. 40	C 10. 40	C 10. 40	C 0. 40	C 0. 40	C 0. 40	C 0.1 93	C 0.1 93	C 0.1 93	C 0.1 93	C 0.1 93	C 0.1 93	
92	C 0. 20	C 0. 20	C 0. 20	C 0. 20	C 0. 20	C 0. 20	C 0. 122	C 0. 122	C 0. 122	C 0. 122	C 0. 122	C 0. 122	
93	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	B 0. 36	B 0. 36	B 0. 36	B 0. 36	B 0. 36	B 0. 36	
94	C 0. 52	C 10. 52	C 10. 52	C 0. 52	C 0. 52	C 0. 52	C 0. 91	C 0. 91	C 0. 91	C 0. 91	C 0. 91	C 0. 91	
95	C 0. 40	C 10. 40	C 10. 40	C 0. 40	C 0. 40	C 0. 40	C 0. 90	C 0. 90	C 0. 90	C 0. 90	C 0. 90	C 0. 90	
96	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	B 0. 34	B 0. 34	B 0. 34	B 0. 34	B 0. 34	B 0. 34	
97	C 0. 54	C 10. 54	C 10. 54	C 0. 54	C 0. 54	C 0. 54	C 0.2 115	C 0.2 115	C 0.2 115	C 0.2 115	C 0.1 115	C 0.1 115	
98	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	

Table 20 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
99	A 0.2 135	A 0.2 135	A 0.2 135	C 0. 37	C 0. 37	C 0. 37	C 0. 67	C 0. 67	C 0. 67	C 0. 67	C 0. 67	C 0. 67	C 0. 67
100	A 0. 46	C 0.2 203	C 0.2 203	C 0.2 196	C 0.2 196	C 0.2 196	C 0.3 196	C 0.3 196	C 0.3 196	C 0.3 196	C 0.2 196	C 0.2 196	C 0.2 196
101	A 5.2 51	A 5. 51	A 4.9 51	A 0. 51	A 0. 51	A 0. 51	A 0. 60	A 0.1 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60
102	A 0. 49	A 8.5 49	A 8.3 49	A 0. 49	A 0. 49	A 0. 49	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63
103	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39
104	A 0. 21	A 0.1 21	A 0.1 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
105	A 0.2 135	A 0.1 135	A 0.1 135	C 0. 34	C 0. 34	C 0. 34	C 0. 69	C 0. 69	C 0. 69	C 0. 69	C 0. 69	C 0. 69	C 0. 69
106	A 0. 51	A 10. 51	A 10. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70
107	A 0.3 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41
108	A 0.3 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41
109	A 0.3 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41
110	A 0.3 65	A 0.1 65	A 0.1 65	A 0. 65	A 0. 65	A 0. 65	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63
111	A 0.3 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0.1 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64
112	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
113	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
114	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
115	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43
116	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
117	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40
118	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
119	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
120	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38
121	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0.1 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49
122	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33
123	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.2 105	A 0.2 105	A 0.2 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105
124	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
125	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77
126	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13
127	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
128	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
129	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
130	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
131	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
132	A 0. 47	A 0. 47	A 0. 47	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51

Table 20 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
133	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41
134	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41
135	A 0.6 239	A 0.7 239	A 0.7 239	C 0. 29	C 0. 29	C 0. 29	A 0.5 348	A 0.4 348	A 0.3 348	A 0.3 348	A 0.3 348	A 0.2 348	A 0.2 348
136	A 0.6 276	A 0.6 276	A 0.6 276	C 0. 27	C 0. 27	C 0. 27	A 0.4 435	A 0.2 435	A 0.2 435	A 0.1 435	A 0.1 435	A 0.1 435	A 0.1 435
137	A 1. 277	A 1. 277	A 1. 277	C 0. 51	C 0. 51	C 0. 51	A 1. 406	A 0.8 406	A 1.2 406	A 0.5 406	A 0.4 406	A 0.4 406	A 0.4 406
138	A 1.4 277	A 1.5 277	A 1.4 277	C 0. 45	C 0. 45	C 0. 45	A 0.7 430	A 0.5 430	A 0.6 430	A 0.4 430	A 0.3 430	A 0.3 430	A 0.3 430
139	A 1. 287	A 1. 287	A 0.9 287	C 0. 29	C 0. 29	C 0. 29	A 0.7 427	A 0.7 427	A 0.6 427	A 0.3 427	A 0.3 427	A 0.3 427	A 0.3 427
140	A 0.1 47	A 0.1 47	A 0.1 47	A 0. 59	A 0. 59	A 0. 59	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 56	A 0.1 56	A 0.1 64	A 0.1 64
141	A 0.1 61	A 0.1 62	A 0.1 62	C 0. 39	C 0. 39	C 0. 39	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 71	A 0.1 71	A 0.1 79	A 0.1 79
142	A 0.1 63	A 0.3 64	A 0.3 64	A 0.1 74	A 0.1 74	A 0.1 74	A 0. 67	A 0.1 67	A 0. 67	A 0. 67	A 0. 67	A 0. 69	A 0. 69
143	A 0.4 50	A 0.1 51	A 0.1 51	A 0.1 72	A 0.1 72	A 0.1 72	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 55	A 0. 55
144	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28
145	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
146	A 0. 51	A 0. 52	A 0. 52	A 0. 51	A 0. 51	A 0. 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 60	A 0.1 60	A 0. 68	A 0. 68
147	A 0.1 59	A 0.1 59	A 0.1 59	A 0. 76	A 0. 76	A 0. 76	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 69	A 0.1 69	A 0.1 77	A 0.1 77
148	C 0. 15	C 3.6 15	C 3.4 15	C 0. 15	C 0. 15	C 0. 15	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44
149	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13
150	A 0. 39	A 2.8 39	A 2.6 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39
151	A 0. 31	A 0.2 31	A 0.1 31	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
152	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40
153	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
154	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 61	A 0.1 61	A 0.1 69	A 0.1 69
155	A 0.2 31	C 0.1 37	C 0.1 37	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
156	A 0. 22	A 0.1 22	A 0.1 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
157	A 0. 32	A 0.2 32	A 0.1 32	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
158	C 0. 64	C 10. 64	C 10. 64	C 0. 64	C 0. 64	C 0. 64	C 0.1 108	C 0.1 108	C 0.1 108	C 0.1 108	C 0.1 108	C 0.1 108	C 0.1 108
159	C 0. 66	C 10. 66	C 10. 66	C 0. 66	C 0. 66	C 0. 66	C 0.6 120	C 0.6 120	C 0.6 120	C 0.5 120	C 0.4 120	C 0.3 120	C 0.3 120
160	C 0. 52	C 10. 52	C 10. 52	C 0. 52	C 0. 52	C 0. 52	C 0.1 100	C 0.1 100	C 0.1 100	C 0.1 100	C 0.1 100	C 0.1 100	C 0.1 100
161	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38
162	A 0.1 52	A 0.2 53	A 0.2 53	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 55	A 0.1 55	A 0. 55	A 0. 55	A 0. 55	A 0. 57	A 0. 57
163	A 0.1 21	A 0.1 21	A 0.1 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
164	C 0. 66	C 10. 66	C 10. 66	C 0. 66	C 0. 66	C 0. 66	C 0.2 172	C 0.2 172	C 0.2 172	C 0.2 172	C 0.2 172	C 0.1 172	C 0.1 172
165	C 0. 54	C 10. 54	C 10. 54	C 0. 54	C 0. 54	C 0. 54	C 0.2 192	C 0.3 192	C 0.2 192	C 0.2 192	C 0.2 192	C 0.2 192	C 0.2 192
166	A 0. 18	A 0.1 18	A 0.1 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18

Table 20 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
167	A 0. 25	A 0.1 25	A 0.1 25	A 0. 25	A 0. 25	A 0. 25	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
168	C 0. 43	C 10. 43	C 10. 43	C 0. 43	C 0. 43	C 0. 43	A 0.1 44	A 0.1 44	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66
169	A 0. 32	A 0. 30	A 0. 30	C 0. 30	C 0. 30	C 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0.1 36	A 0. 36	A 0. 38	A 0. 38
170	A 0.1 44	A 0.1 32	A 0.1 32	A 0. 41	A 0. 41	A 0. 41	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32
171	C 0. 49	C 4.2 49	C 4. 49	C 0. 49	C 0. 49	C 0. 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0. 49	A 0. 49	A 0. 49
172	C 0. 20	C 10. 20	C 10. 20	C 0. 20	C 0. 20	C 0. 20	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0. 70	A 0. 70
173	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
174	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13
175	B 0.2 18	B 0.1 18	B 0.1 18	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
176	A 0. 23	A 0.1 23	A 0.1 23	A 0. 23	A 0. 23	A 0. 23	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
177	C 0. 40	C 10. 40	C 9.8 40	C 0. 40	C 0. 40	C 0. 40	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57
178	C 0. 22	C 10. 22	C 10. 22	C 0. 22	C 0. 22	C 0. 22	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55
179	C 0. 22	C 10. 22	C 10. 22	C 0. 22	C 0. 22	C 0. 22	C 0. 61	C 0. 61	C 0. 61	C 0. 61	C 0. 61	C 0. 61	C 0. 61
180	C 0. 22	C 10. 22	C 10. 22	C 0. 22	C 0. 22	C 0. 22	C 0.1 94	C 0.1 94	C 0.1 94	C 0.1 94	C 0. 94	C 0. 94	C 0. 94
181	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13
182	A 0. 41	A 0.1 41	A 0.1 41	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
183	A 0. 35	A 0.1 35	A 0.1 35	A 0. 23	A 0. 23	A 0. 23	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
184	C 0. 52	C 4.3 52	C 4. 52	C 0. 52	C 0. 52	C 0. 52	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57
185	C 0. 30	C 3.2 30	C 2.9 30	C 0. 30	C 0. 30	C 0. 30	C 0. 37	C 0. 37	C 0. 37	C 0. 37	C 0. 37	C 0. 37	C 0. 37
186	C 0. 20	C 8.3 20	C 7.7 20	C 0. 20	C 0. 20	C 0. 20	C 0.1 75	C 0.1 75	C 0.1 75	C 0.1 75	C 0.1 75	C 0. 75	C 0. 75
187	C 0. 49	C 4. 49	C 3.7 49	C 0. 49	C 0. 49	C 0. 49	C 0.1 52	C 0.1 52	C 0.1 52	C 0. 52	C 0. 52	C 0. 52	C 0. 52
188	A 0.1 18	A 0.1 18	A 0.1 18	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
189	C 0. 44	C 10. 44	C 10. 44	C 0. 44	C 0. 44	C 0. 44	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36
190	C 0. 46	C 10. 46	C 10. 46	C 0. 46	C 0. 46	C 0. 46	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56
191	C 0. 40	C 10. 40	C 10. 40	C 0. 40	C 0. 40	C 0. 40	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32
192	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50
193	A 0.1 74	A 0.2 74	A 0.2 74	C 0. 51	C 0. 51	C 0. 51	C 0. 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63
194	A 0. 53	A 0.2 53	A 0.1 53	A 0. 42	A 0. 42	A 0. 42	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53
195	A 0. 28	A 0. 39	A 0. 39	A 0. 28	A 0. 28	A 0. 28	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39
196	A 0.2 93	A 0.2 92	A 0.2 92	C 0. 39	C 0. 39	C 0. 39	C 0.1 83	C 0.1 83	C 0.1 83	C 0. 83	C 0. 83	C 0. 83	C 0. 83
197	C 6.7 51	C 6.7 51	C 6.4 51	C 0. 51	C 0. 51	C 0. 51	C 0.1 64	C 0.1 64	C 0.1 64	C 0. 64	C 0. 64	C 0. 64	C 0.1 64
198	A 0. 21	A 0.1 21	A 0.1 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
199	C 0. 51	C 10. 51	C 10. 51	C 0. 51	C 0. 51	C 0. 51	C 0. 94	C 0.1 94	C 0. 94	C 0. 94	C 0. 94	C 0. 94	C 0. 94
200	C 0. 52	C 10. 52	C 10. 52	C 0. 52	C 0. 52	C 0. 52	C 0.1 105	C 0.1 105	C 0.1 105	C 0.1 105	C 0. 105	C 0. 105	C 0.1 105

Table 20 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
201	A 0.2 100	A 0.4 100	A 0.3 100	C 0.1 69	C 0.1 69	C 0.1 69	C 0.1 91	C 0.1 91	C 0.1 91	C 0.1 91	C 0.1 91	C 0.1 91	C 0.1 91
202	A 0. 53	A 0.3 53	A 0.3 53	A 0. 53	A 0. 53	A 0. 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53
203	C 0. 47	C 7.4 47	C 7.1 47	C 0. 47	C 0. 47	C 0. 47	C 0. 76	C 0. 76	C 0. 76	C 0. 76	C 0. 76	C 0. 76	C 0. 76
204	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61
205	A 0.1 78	A 0.1 78	A 0.1 78	C 0. 37	C 0. 37	C 0. 37	C 0.1 69	C 0.1 69	C 0. 69	C 0. 69	C 0. 69	C 0. 69	C 0. 69
206	A 0.1 95	A 0.1 92	A 0.1 92	C 0. 39	C 0. 39	C 0. 39	C 0.1 82	C 0.1 82	C 0.1 82	C 0. 82	C 0. 82	C 0. 82	C 0. 82
207	C 0. 51	C 10. 51	C 10. 51	C 0. 51	C 0. 51	C 0. 51	C 0. 69	C 0.1 69	C 0. 69	C 0. 69	C 0. 69	C 0. 69	C 0. 69
208	C 0. 51	C 10. 51	C 10. 51	C 0. 51	C 0. 51	C 0. 51	C 0.1 94	C 0.1 94	C 0.1 94	C 0.1 94	C 0. 94	C 0.1 94	C 0.1 94
209	C 0. 64	C 6.2 64	C 5.8 64	C 0. 64	C 0. 64	C 0. 64	C 0. 64	C 0.1 64	C 0. 64	C 0. 64	C 0. 64	C 0. 64	C 0. 64
210	A 0.1 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61
211	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50
212	C 0. 91	C 7.3 91	C 6.8 91	C 0. 91	C 0. 91	C 0. 91	C 0.1 91	C 0.1 91	C 0.1 91	C 0.1 91	C 0. 91	C 0.1 91	C 0.1 91
213	C 0. 79	C 7.1 79	C 6.5 79	C 0. 79	C 0. 79	C 0. 79	C 0.1 79	C 0.1 79	C 0.1 79	C 0.1 79	C 0. 79	C 0. 79	C 0. 79
214	C 6.2 51	C 6.2 51	C 5.6 51	C 0. 51	C 0. 51	C 0. 51	C 0. 52	C 0. 52	C 0. 52	C 0. 52	C 0. 52	C 0. 52	C 0. 52
215	A 0.2 89	A 0.4 89	A 0.4 89	A 0. 89	A 0. 89	A 0. 89	C 0.1 80	C 0.1 80	C 0.1 80	C 0. 80	C 0. 80	C 0. 80	C 0. 80
216	C 0. 46	C 6. 46	C 5.4 46	C 0. 46	C 0. 46	C 0. 46	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47
217	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61
218	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50
219	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
220	A 0. 66	A 0.1 66	A 0.1 66	C 0. 33	C 0. 33	C 0. 33	C 0. 52	C 0. 52	C 0. 52	C 0. 52	C 0. 52	C 0. 52	C 0. 52
221	A 0.2 81	A 0.1 81	A 0.1 81	C 0. 35	C 0. 35	C 0. 35	C 0. 70	C 0.1 70	C 0.1 70	C 0. 70	C 0. 70	C 0. 70	C 0. 70
222	C 7. 57	C 6.9 57	C 6.6 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 58
223	A 0.2 98	A 0.6 98	A 0.6 98	C 0. 67	C 0. 67	C 0. 67	A 0.3 120	C 0.1 79	C 0. 79	C 0. 79	C 0. 79	C 0. 79	C 0.1 79
224	A 0. 53	A 0.5 53	A 0.5 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53
225	C 0. 54	C 6.6 54	C 6.3 54	C 0. 54	C 0. 54	C 0. 54	C 0. 58	C 0. 58	C 0. 58	C 0. 58	C 0. 58	C 0. 58	C 0. 58
226	C 0. 56	C 7.1 56	C 6.8 56	C 0. 56	C 0. 56	C 0. 56	C 0. 56	C 0. 56	C 0. 56	C 0. 56	C 0. 56	C 0. 56	C 0. 56
227	A 0. 69	A 0.1 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	C 0. 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63
228	A 0.1 74	A 0.1 74	A 0.1 74	C 0. 39	C 0. 39	C 0. 39	C 0. 67	C 0. 67	C 0. 67	C 0. 67	C 0. 67	C 0. 67	C 0. 67
229	C 0.1 66	C 6. 66	C 5.7 66	C 0.1 66	C 0.1 66	C 0.1 66	C 0.1 80	C 0.1 80	C 0.1 80	C 0.1 80	C 0.1 80	C 0.1 80	C 0.1 80
230	A 0.3 161	A 0.5 161	A 0.5 161	C 0.1 66	C 0. 66	C 0.1 66	C 0.1 80	C 0.1 80	C 0.1 80	C 0.1 80	C 0.1 80	C 0.1 80	C 0.1 80
231	A 0. 22	A 0.1 22	A 0.1 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
232	C 0. 96	C 6.1 96	C 5.8 96	C 0.1 96	C 0.1 96	C 0.1 96	C 0. 91	C 0.1 91	C 0. 91	C 0. 91	C 0. 91	C 0. 91	C 0. 91
233	C 0. 52	C 10. 52	C 10. 52	C 0. 52	C 0. 52	C 0. 52	C 0. 84	C 0. 84	C 0. 84	C 0. 84	C 0. 84	C 0. 84	C 0. 84
234	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29



Table 20 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
235	C 0. 66	C 5.9 66	C 5.5 66	C 0. 66	C 0. 66	C 0. 66	C 0.1 66	C 0.1 66	C 0.1 66	C 0.1 66	C 0. 66	C 0.1 66	
236	A 0. 22	A 0.2 22	A 0.2 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	
237	C 0. 66	C 6.1 66	C 5.8 66	C 0. 66	C 0. 66	C 0. 66	C 0. 66	C 0.1 66	C 0. 66	C 0. 66	C 0. 66	C 0. 66	
238	C 0. 50	C 10. 50	C 10. 50	C 0. 50	C 0. 50	C 0. 50	C 0. 71	C 0. 71	C 0. 71	C 0. 71	C 0. 71	C 0. 71	
239	C 0. 52	C 10. 52	C 10. 52	C 0. 52	C 0. 52	C 0. 52	C 0.1 106	C 0.1 106	C 0.1 106	C 0.1 106	C 0.1 106	C 0. 106	
240	A 0. 28	A 0. 29	A 0. 29	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	
241	A 0.1 96	A 0.1 95	A 0.1 95	C 0. 39	C 0. 39	C 0. 39	C 0.1 84	C 0.1 84	C 0.1 84	C 0. 84	C 0. 84	C 0. 84	
242	C 0. 79	C 6.9 79	C 6.5 79	C 0. 79	C 0. 79	C 0. 79	C 0.1 79	C 0.1 79	C 0.1 79	C 0.1 79	C 0. 79	C 0. 79	
243	C 0. 52	C 10. 52	C 10. 52	C 0. 52	C 0. 52	C 0. 52	C 0.1 95	C 0.1 95	C 0.1 95	C 0.1 95	C 0. 95	C 0. 95	
244	A 0.3 148	A 0.5 148	A 0.5 148	A 0. 90	A 0. 90	A 0. 90	C 0. 66	C 0.1 66	C 0. 66	C 0. 66	C 0. 66	C 0. 66	
245	A 0.2 116	A 0.4 116	A 0.3 116	A 0. 58	A 0. 58	A 0. 58	C 0. 53	C 0. 53	C 0. 53	C 0. 53	C 0. 53	C 0. 53	
246	C 0. 52	C 10. 52	C 10. 52	C 0. 52	C 0. 52	C 0. 52	C 0. 70	C 0. 70	C 0. 70	C 0. 70	C 0. 70	C 0. 70	
247	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	
248	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	
249	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0. 41	A 0. 41	
250	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	
251	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	
252	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	
253	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144	A 0.2 144	A 0.2 144	A 0.2 144	A 0.2 144	A 0.2 144	A 0.2 144	
254	A 0.1 144	A 0. 144	A 0. 144	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144	
255	A 0.1 149	A 0.1 149	A 0.1 149	A 0.1 149	A 0.1 149	A 0.1 149	A 0.2 149	A 0.2 149	A 0.2 149	A 0.2 149	A 0.1 149	A 0.1 149	
256	A 0. 25	A 0.9 25	A 0.9 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	
257	A 0. 203	A 0. 203	A 0. 203	A 0.1 203	A 0.1 203	A 0.1 203	A 0.1 203	A 0.1 203	A 0.1 203	A 0.1 203	A 0.1 203	A 0.1 203	
258	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	
259	A 0.1 191	A 0.1 191	A 0.1 191	A 0.1 191	A 0.1 191	A 0.1 191	A 0.2 191	A 0.2 191	A 0.2 191	A 0.2 191	A 0.1 191	A 0.1 191	
260	A 0.1 197	A 0.1 197	A 0.1 197	A 0.1 197	A 0.1 197	A 0.2 197	A 0.2 197	A 0.2 197	A 0.3 197	A 0.2 197	A 0.1 197	A 0.1 197	
261	A 0.1 192	A 0.1 192	A 0.1 192	A 0.1 192	A 0.1 192	A 0.1 192	A 0.2 192	A 0.2 192	A 0.2 192	A 0.2 192	A 0.1 192	A 0.1 192	
262	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 76	
263	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 71	
264	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 84	
265	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 28	
266	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 20	
267	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	
268	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	

Table 20 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
269	C 0.1 219	C 0.1 219	C 0.1 219	C 0. 20	C 0. 20	C 0. 20	A 0.6 448	A 0.7 448	A 0.6 448	A 0.4 448	A 0.4 448	A 0.3 446	
270	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	
271	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	
272	A 0.1 40	A 0.1 40	A 0.1 40	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	
273	C 0. 29	C 10. 29	C 10. 29	C 0. 29	C 0. 29	C 0. 29	A 0.6 276	A 0.7 276	A 0.6 276	A 0.7 276	A 0.5 276	A 0.4 276	
274	A 0.1 51	A 0.1 49	A 0.1 49	C 0. 30	C 0. 30	C 0. 30	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0. 49	
275	A 0. 35	A 0.1 35	A 0.1 35	A 0. 29	A 0. 29	A 0. 29	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	
276	A 0.1 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	
277	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	
278	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	
279	A 0.2 263	A 0.2 263	A 0.2 263	A 0.3 263	A 0.2 263	A 0.3 263	A 0.5 263	A 0.5 263	A 0.4 263	A 0.3 263	A 0.3 263	A 0.2 264	
280	A 0. 166	A 0. 166	A 0. 166	A 0. 166	A 0. 166	A 0. 166	A 0. 166	A 0. 166	A 0. 166	A 0. 166	A 0. 166	A 0. 164	
281	A 0.2 387	A 0.1 387	A 0.1 387	A 0.2 387	A 0.2 387	A 0.3 387	A 0.4 387	A 0.4 387	A 0.4 387	A 0.3 387	A 0.2 387	A 0.2 387	
282	A 0.1 367	A 0.1 367	A 0. 367	A 0.1 367	A 0.1 367	A 0.2 367	A 0.3 367	A 0.3 367	A 0.2 367	A 0.1 367	A 0.1 367	A 0.1 367	
283	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 29	
284	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 28	
285	A 0. 98	A 0. 98	A 0. 98	A 0. 98	A 0. 98	A 0. 98	A 0. 98	A 0. 98	A 0. 98	A 0. 98	A 0. 98	A 0. 96	
286	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	
287	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	
288	A 0.1 193	A 0.1 193	A 0.1 193	A 0.1 193	A 0.1 193	A 0.1 193	A 0.2 193	A 0.2 193	A 0.2 193	A 0.2 193	A 0.2 193	A 0.1 193	
289	A 0. 216	A 0. 216	A 0. 216	A 0. 216	A 0. 216	A 0. 216	A 0. 216	A 0. 216	A 0. 216	A 0. 216	A 0. 216	A 0. 216	
290	A 0. 42	A 0.1 42	A 0.1 42	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	
291	A 0. 23	A 0.2 23	A 0.2 23	A 0. 23	A 0. 23	A 0. 23	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	
292	A 0. 37	A 0. 38	A 0. 38	C 0. 26	C 0. 26	C 0. 26	A 0. 37	A 0. 37	A 0. 40	A 0. 40	A 0. 40	A 0. 40	
293	C 0. 34	C 10. 34	C 10. 34	C 0. 34	C 0. 34	C 0. 34	C 0. 34	C 0. 34	C 0. 34	C 0. 34	C 0. 34	C 0. 34	
294	C 0. 22	C 10. 22	C 10. 22	C 0. 22	C 0. 22	C 0. 22	A 1.1 221	A 1.3 221	A 1.1 221	A 1.1 221	A 0.9 221	A 0.7 221	
295	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	
296	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	
297	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	
298	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	
299	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	
300	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	
301	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	
302	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	

Table 20 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
303	B 0. 104	B 0. 104	B 0. 104	B 0. 104	B 0. 104	B 0. 104	B 0. 104	B 0. 104	B 0. 104	B 0. 104	B 0. 104	B 0. 104	B 0. 104
304	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95
305	A 0. 94	A 0. 94	A 0. 94	A 0. 94	A 0. 94	A 0. 94	A 0. 94	A 0. 94	A 0. 94	A 0. 94	A 0. 94	A 0. 94	A 0. 94
306	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
307	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
308	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0.1 35	A 0.1 35	A 0.1 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35
309	A 0. 73	A 0. 73	A 0. 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0. 73
310	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0. 63	A 0. 63	A 0. 63
311	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
312	A 0.1 72	A 0.1 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0.1 72	A 0. 76	A 0. 76	A 0. 76	A 0. 76	A 0. 76
313	A 0.1 61	A 0. 61	A 0. 61	C 0. 27	C 0. 27	C 0. 27	A 0. 61	A 0.1 61	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68
314	A 0.1 56	A 0.1 54	A 0.1 54	C 0. 25	C 0. 25	C 0. 25	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0. 54	A 0. 54	A 0. 54
315	A 0.1 79	A 0.1 79	A 0.1 79	C 0. 27	C 0. 27	C 0. 27	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0. 79	A 0. 79
316	A 0.1 81	A 0.1 81	A 0.1 81	C 0. 27	C 0. 27	C 0. 27	A 0.1 81	A 0.1 81	A 0. 89	A 0. 89	A 0. 89	A 0. 89	A 0. 89
317	A 0.1 59	A 0.1 59	A 0.1 59	A 0. 59	A 0. 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71
318	A 0.1 70	A 0.1 70	A 0.1 70	C 0. 39	C 0. 39	C 0. 39	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79
319	A 0. 56	A 0. 64	A 0. 64	A 0. 56	A 0. 56	A 0. 56	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62
320	A 0.2 81	A 0.1 81	A 0.1 81	C 0. 39	C 0. 39	C 0. 39	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90
321	A 0.1 70	A 0.1 70	A 0.1 70	C 0. 39	C 0. 39	C 0. 39	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79
322	A 0.1 54	A 0.1 54	A 0.1 54	A 0. 76	A 0. 76	A 0. 76	A 0.1 63	A 0.1 63	A 0.1 70	A 0.1 70	A 0. 70	A 0. 70	A 0. 70
323	A 0. 18	A 0. 20	A 0. 20	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
324	A 0. 35	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36
325	A 0. 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71
326	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0. 63	A 0.1 63	A 0.1 70	A 0.1 70	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76
327	A 0. 35	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36
328	A 0. 69	A 0. 71	A 0. 71	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0.1 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69
329	A 0.1 81	A 0.1 81	A 0.1 81	C 0. 37	C 0. 37	C 0. 37	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90
330	A 0. 51	A 0. 53	A 0. 53	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51
331	A 0. 62	A 0. 64	A 0. 64	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62
332	A 0. 42	A 0.1 50	A 0.1 50	C 0. 34	C 0. 34	C 0. 34	A 0.1 57	A 0.1 57	A 0.1 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65
333	A 0.1 55	A 0.1 60	A 0.1 60	C 0. 36	C 0. 36	C 0. 36	A 0.1 67	A 0.1 67	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79
334	A 0. 39	A 0. 46	A 0. 46	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44
335	A 0.1 69	A 0. 71	A 0. 71	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69
336	C 0.1 52	A 4.7 69	A 4.5 69	C 0. 52	C 0. 52	C 0. 52	A 0.2 71	A 0.2 71	A 0.2 71	A 0.2 71	A 0.1 71	A 0.1 84	A 0.1 84

Table 20 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	g
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
337	A 0.1 23	A 5.3 30	A 5. 30	A 0. 23	A 0. 23	A 0. 23	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
338	A 0.2 101	A 5.5 104	A 5.1 104	A 0.2 101	A 0.1 101	A 0.2 101	A 0.3 100	A 0.4 100	A 0.2 110	A 0.2 110	A 0.2 110	A 0.1 128	
339	A 0.1 53	A 3.3 53	A 3.1 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53
340	A 0.1 30	A 3.3 30	A 3.1 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
341	A 0. 21	A 3.2 21	A 3. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
342	A 0.1 93	A 9. 82	A 8.6 82	A 0.1 93	A 0.1 93	A 0.1 93	A 0.2 78	A 0.2 78	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 106
343	A 0.1 28	A 4.1 35	A 3.9 35	A 0. 28	A 0. 28	A 0. 28	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35
344	A 0.1 73	A 4.1 64	A 3.9 64	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 66	A 0.1 66	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78
345	C 0.1 56	C 10. 56	C 10. 56	C 0. 56	C 0. 56	C 0. 56	A 0.4 96	A 0.4 96	A 0.2 118	A 0.2 118	A 0.2 118	A 0.1 132	
346	C 0.1 56	C 10. 56	C 10. 56	C 0. 56	C 0. 56	C 0. 56	A 0.4 107	A 0.4 107	A 0.3 127	A 0.2 127	A 0.2 127	A 0.1 147	
347	A 0.1 82	A 4.7 82	A 4.6 82	A 0. 82	A 0. 82	A 0. 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0. 82	A 0. 82	A 0. 82
348	A 0.1 71	A 4.7 71	A 4.6 71	A 0. 71	A 0. 71	A 0. 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71
349	A 0.1 59	A 4.7 59	A 4.6 59	A 0. 59	A 0. 59	A 0. 59	A 0.1 59	A 0.1 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59
350	A 0.1 49	A 4.7 49	A 4.6 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0.1 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49
351	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
352	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
353	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13
354	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
355	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
356	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
357	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
358	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40
359	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34
360	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39
361	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24
362	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60
363	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49
364	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38
365	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45
366	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0.1 41	A 0.1 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41
367	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67
368	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0. 58	A 0. 58	A 0. 58
369	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0. 55	A 0. 55	A 0. 55
370	A 0. 74	A 0. 74	A 0. 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 93

Table 20 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
371	A 0.1 90	A 0.1 92	A 0.1 92	C 0. 49	C 0. 49	C 0. 49	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 95
372	A 0.1 80	A 0.2 90	A 0.2 90	C 0. 54	C 0. 54	C 0. 54	A 0.1 83	A 0.1 83	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 98
373	A 0.2 81	A 0.1 81	A 0.2 81	A 0. 96	A 0. 96	A 0. 96	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 124
374	A 0.1 87	A 0.2 97	A 0.2 97	A 0. 87	A 0. 87	A 0. 87	A 0.1 90	A 0.1 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 92
375	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
376	B 0. 56	B 0. 56	B 0. 56	B 0. 56	B 0. 56	B 0. 56	B 0.1 56	B 0.1 59	B 0. 59	B 0. 59	B 0. 59	B 0. 59	B 0. 61
377	A 0. 57	A 0. 57	A 0. 57	C 0. 36	C 0. 36	C 0. 36	A 0.1 73	A 0.1 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 83
378	A 0.1 74	A 0.1 74	A 0.1 74	C 0. 38	C 0. 38	C 0. 38	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 107
379	A 0.1 88	A 0.1 88	A 0.1 88	C 0. 39	C 0. 39	C 0. 39	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 125
380	A 0.1 83	A 0.2 93	A 0.2 93	A 0.2 91	A 0.2 91	A 0.2 91	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 88
381	A 0.3 58	A 0.1 58	A 0.1 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58
382	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A 0.1 122	A 0.1 122	A 0.1 122	A 0.1 122	A 0. 122	A 0. 122	A 0. 122
383	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
384	A 0. 114	A 0. 114	A 0. 114	A 0. 114	A 0. 114	A 0. 114	A 0. 114	A 0. 114	A 0. 114	A 0. 114	A 0. 114	A 0. 114	A 0. 114
385	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.2 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140
386	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
387	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
388	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33
389	C 0. 51	C 10. 51	C 10. 51	C 0. 51	C 0. 51	C 0. 51	C 1.8 366	C 2. 366	C 2.1 364	C 2.3 364	C 1.6 364	C 1.4 364	
390	A 0. 28	A 1.6 28	A 1.6 28	A 0. 28	A 0. 28	A 0. 28	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
391	A 0. 40	A 1.8 38	A 1.8 38	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40
392	A 0. 51	A 2. 49	A 2. 49	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0.1 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51
393	A 0.1 97	A 0.2 98	A 0.2 98	A 0. 97	A 0. 97	A 0.1 97	A 0.1 97	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 102
394	A 0. 18	A 0.2 18	A 0.2 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
395	C 0. 64	C 10. 64	C 10. 64	C 0. 64	C 0. 64	C 0. 64	C 0.5 174	C 0.6 174	C 0.5 174	C 0.5 174	C 0.4 174	C 0.3 174	
396	C 0. 51	C 10. 51	C 10. 51	C 0. 51	C 0. 51	C 0. 51	C 0.3 170	C 0.4 170	C 0.3 170	C 0.3 170	C 0.3 170	C 0.3 170	C 0.2 170
397	C 0. 51	C 10. 51	C 10. 51	C 0. 51	C 0. 51	C 0. 51	C 0.4 184	C 0.5 184	C 0.3 184	C 0.3 184	C 0.2 184	C 0.2 184	
398	C 0. 79	C 10. 79	C 10. 79	C 0. 79	C 0. 79	C 0. 79	C 1.6 372	C 1.9 372	C 2.1 371	C 1.4 371	C 1. 371	C 0.9 371	
399	C 0. 51	C 10. 51	C 10. 51	C 0. 51	C 0. 51	C 0. 51	C 1.6 377	C 1.8 377	C 2. 382	C 1.5 382	C 1. 382	C 0.8 382	
400	A 0.1 83	A 0.3 84	A 0.3 84	A 0. 84	A 0. 84	A 0.1 84	A 0.1 83	A 0.1 86	A 0.1 86	A 0.1 86	A 0. 86	A 0. 88	
401	A 0. 51	A 2.1 51	A 2.1 51	A 0. 51	A 0. 51	A 0. 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0. 51	A 0. 51	A 0. 51	
402	C 0. 78	C 10. 78	C 10. 78	C 0. 78	C 0. 78	C 0. 78	C 1.7 390	C 1.9 390	C 2.3 382	C 1.5 382	C 1. 382	C 0.9 382	
403	A 0. 173	A 0. 173	A 0. 173	A 0.1 173	A 0. 173	A 0.1 173	A 0.1 173	A 0.1 173	A 0.1 173	A 0.1 173	A 0.1 173	A 0.1 173	
404	C 0. 51	C 10. 51	C 10. 51	C 0. 51	C 0. 51	C 0. 51	C 0.8 138	C 0.9 138	C 0.8 138	C 0.7 138	C 0.6 138	C 0.5 138	

Table 20 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
405	A 0.1 70	A 0.1 70	A 0.1 70	A 0. 85	A 0. 85	A 0. 85	A 0.2 70	A 0.1 70	A 0.1 88	A 0.1 103	A 0.1 103	A 0.1 111	
406	C 0. 52	C 10. 52	C 10. 52	C 0. 52	C 0. 52	C 0. 52	C 0.3 196	C 0.3 196	C 0.3 196	C 0.3 196	C 0.2 196	C 0.2 196	
407	C 0. 52	C 10. 52	C 10. 52	C 0. 52	C 0. 52	C 0. 52	C 0.2 135	C 0.2 135	C 0.2 135	C 0.2 135	C 0.1 135	C 0.1 135	
408	A 0.1 81	A 0.2 82	A 0.2 82	C 0. 54	C 0. 54	C 0. 54	A 0.1 81	A 0.2 84	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 100	
409	B 0.3 55	B 0.2 56	B 0.2 56	B 0. 55	B 0. 55	B 0. 55	B 0. 55	B 0. 58	B 0. 58	B 0. 58	B 0. 58	B 0. 60	
410	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0.1 52	A 0. 52	A 0. 52	B 0. 61	B 0. 61	B 0. 69	
411	C 0. 81	C 10.1 81	C 10. 81	C 0. 81	C 0. 81	C 0. 81	C 0.4 153	C 0.4 153	C 0.3 153	C 0.3 153	C 0.3 153	C 0.2 153	
412	B 0.1 59	B 0.3 60	B 0.3 60	B 0. 59	B 0. 59	B 0. 59	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
413	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	
414	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	
415	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	
416	A 0. 43	A 0. 43	A 0. 43	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	
417	A 0. 41	A 0. 41	A 0. 41	A 0. 21	A 0. 21	A 0. 21	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	
418	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	
419	A 0. 73	A 0. 67	A 0. 67	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	
420	A 0. 69	A 0. 69	A 0. 69	A 0. 66	A 0. 66	A 0. 66	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	
421	A 0. 136	A 0. 126	A 0. 126	A 0.1 50	A 0.1 50	A 0.1 50	A 0. 136	A 0. 136	A 0. 136	A 0. 136	A 0. 136	A 0. 136	
422	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0. 124	A 0. 124	
423	A 0. 124	A 0.1 124	A 0.1 124	A 0.1 136	A 0.1 136	A 0.1 136	A 0. 136	A 0. 136	A 0. 136	A 0. 136	A 0. 136	A 0. 136	
424	A 0. 187	A 0. 187	A 0. 187	A 0.1 122	A 0.1 122	A 0.1 122	A 0. 207	A 0. 207	A 0. 207	A 0. 207	A 0. 207	A 0. 207	
425	B 0. 199	B 0. 187	B 0. 187	A 0.1 50	A 0.1 50	A 0.1 50	B 0. 199	B 0. 199	B 0. 199	B 0. 199	B 0. 199	B 0. 199	
426	B 0. 185	B 0. 185	B 0. 185	A 0. 28	A 0. 28	A 0.1 28	B 0. 190	B 0. 190	B 0. 190	B 0. 190	B 0. 190	B 0. 190	
427	A 0. 189	A 0. 189	A 0. 189	A 0.1 205	A 0.1 205	A 0.1 205	A 0. 205	A 0. 205	A 0. 205	A 0. 205	A 0. 205	A 0. 205	
428	A 0.1 191	A 0.1 191	A 0.1 191	A 0.1 192	A 0.1 192	A 0.1 192	A 0.1 192	A 0.1 192	A 0.1 192	A 0.1 192	A 0. 192	A 0. 192	
429	B 0.1 185	B 0.1 185	B 0.1 185	A 0. 21	A 0. 21	A 0. 21	B 0.1 183	B 0.1 183	B 0. 183	B 0. 183	B 0. 183	B 0. 183	
430	A 0.1 185	A 0.1 185	A 0.1 185	A 0.1 211	A 0.1 211	A 0.1 211	A 0.1 211	A 0.1 211	A 0.1 211	A 0.1 211	A 0. 211	A 0. 211	
431	A 0.1 185	A 0.1 185	A 0.1 185	A 0.1 207	A 0.1 207	A 0.1 207	A 0.1 207	A 0.1 207	A 0.1 207	A 0.1 207	A 0. 207	A 0. 207	
432	A 0. 51	A 0. 52	A 0. 52	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	
433	A 0. 50	A 0. 67	A 0. 67	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	
434	A 0. 54	A 0.1 66	A 0.1 66	A 0. 57	A 0. 57	A 0.1 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	
435	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	
436	A 0.1 167	A 0.1 167	A 0.1 167	A 0.2 174	A 0.2 174	A 0.2 174	A 0.1 174	A 0.1 174	A 0.1 174	A 0.1 174	A 0.1 174	A 0. 174	
437	A 0.1 143	A 0.1 143	A 0.1 143	A 0.1 150	A 0.1 150	A 0.1 150	A 0.1 150	A 0.1 150	A 0.1 150	A 0.1 150	A 0. 150	A 0. 150	
438	A 0.1 139	A 0.1 139	A 0.1 139	A 0.2 139	A 0.2 139	A 0.2 139	A 0.2 139	A 0.2 139	A 0.2 153	A 0.2 153	A 0.2 153	A 0.1 153	

Table 20 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
439	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
440	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 89	A 0. 89	A 0. 89	A 0. 89	A 0. 89	A 0. 89	A 0. 89
441	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
442	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9
443	A 0. 26	A 0. 26	A 0. 26	A 0. 13	A 0. 13	A 0. 13	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
444	A 0. 27	A 0. 34	A 0. 34	A 0. 27	A 0. 27	A 0. 27	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34
445	A 0.3 39	A 0.1 39	A 0.1 39	A 0. 39	A 0. 39	A 0. 39	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0. 71
446	A 0.8 46	A 0.1 46	A 0.1 46	A 0. 46	A 0. 46	A 0. 46	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62
447	A 0.6 57	A 9.3 57	A 9.2 57	A 0. 57	A 0. 57	A 0. 57	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0. 71	A 0. 71	A 0. 71
448	B 0. 28	B 0. 28	B 0. 28	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
449	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
450	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
451	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
452	A 0. 32	A 0. 32	A 0. 32	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34
453	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41
454	A 0. 69	A 0. 69	A 0. 69	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77
455	A 0. 67	A 0. 67	A 0. 67	A 0. 41	A 0. 41	A 0. 41	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68
456	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65
457	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67
458	A 0. 130	A 0. 130	A 0. 130	A 0.1 144	A 0.1 144	A 0.1 144	A 0. 144	A 0. 144	A 0. 144	A 0. 144	A 0. 144	A 0. 144	A 0. 144
459	A 0. 132	A 0. 132	A 0. 132	A 0. 136	A 0. 136	A 0. 136	A 0. 136	A 0. 136	A 0. 136	A 0. 136	A 0. 136	A 0. 136	A 0. 136
460	A 0. 132	A 0. 132	A 0. 132	A 0.1 131	A 0.1 131	A 0.1 131	A 0. 130	A 0. 130	A 0. 130	A 0. 130	A 0. 130	A 0. 130	A 0. 130
461	B 0. 189	B 0. 189	B 0. 189	A 0.1 41	A 0.1 41	A 0.1 41	B 0. 204	B 0. 204	B 0. 204	B 0. 204	B 0. 204	B 0. 204	B 0. 204
462	A 0.1 195	A 0.1 195	A 0.1 195	A 0.1 202	A 0.1 202	A 0.1 202	A 0.1 202	A 0.1 202	A 0.1 202	A 0.1 202	A 0.1 202	A 0.1 202	A 0. 202
463	B 0.1 189	B 0.1 189	B 0.1 189	A 0. 45	A 0. 45	A 0. 45	B 0.1 189	B 0.1 189	B 0.1 189	B 0. 189	B 0. 189	B 0. 189	B 0. 189
464	A 0.1 189	A 0.1 189	A 0.1 189	A 0.1 217	A 0.1 217	A 0.1 217	A 0.1 217	A 0.1 217	A 0.1 217	A 0.1 217	A 0. 217	A 0. 217	A 0. 217
465	A 0.1 152	A 0.1 152	A 0.1 152	A 0.1 166	A 0.1 166	A 0.1 166	A 0.1 166	A 0.1 166	A 0.1 166	A 0.1 166	A 0.1 166	A 0.1 166	A 0.1 166
466	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.2 117	A 0.2 117	A 0.2 117	A 0.2 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117
467	A 0. 47	A 0. 47	A 0. 47	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54
468	C 0. 126	C 0. 126	C 0. 126	C 0. 22	C 0. 22	C 0. 22	A 0.2 180	A 0.2 180	A 0.2 180	A 0.2 180	A 0.1 180	A 0.1 180	A 0.1 178
469	A 0.2 155	A 5.6 280	A 5.6 280	C 0. 52	C 0. 52	C 0. 52	C 0.1 53	C 0.1 53	C 0.1 53	C 0.1 53	C 0.1 53	C 0.1 53	C 0.1 53
470	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
471	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
472	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13

Table 20 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	g
473	A 0. 19	A 0. 21	A 0. 21	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	
474	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	
475	A 0. 27	A 0. 27	A 0. 27	A 0. 28	A 0. 28	A 0. 28	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	
476	A 0. 34	A 0. 34	A 0. 34	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	
477	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	
478	A 0. 43	A 0. 43	A 0. 43	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	
479	A 0. 41	A 0. 41	A 0. 41	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	
480	A 0. 40	A 0. 40	A 0. 40	A 0. 39	A 0. 39	A 0. 39	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	
481	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	
482	A 0.1 126	A 0.1 126	A 0.1 126	A 0.1 146	A 0.1 146	A 0.1 146	A 0.1 136	A 0.1 136	A 0.1 136	A 0.1 136	A 0.1 136	A 0.1 136	
483	A 0.1 104	A 0. 121	A 0. 121	A 0.1 111	A 0.1 111	A 0.2 111	A 0.1 104	A 0.1 104	A 0.1 104	A 0. 104	A 0. 104	A 0. 104	
484	A 0. 43	A 0. 43	A 0. 43	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	
485	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	
486	A 0.3 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	
487	A 0.1 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0.1 40	A 0.1 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	
488	A 0.1 58	A 0.1 58	A 0.1 58	A 0. 58	A 0. 58	A 0. 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0. 58	A 0. 58	
489	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	
490	A 0.3 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 53	A 0.1 53	A 0. 53	A 0. 53	A 0. 53	A 0. 60	
491	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	B 0.1 71	B 0.1 71	B 0.1 71	B 0.1 71	B 0.1 71	B 0.1 80	
492	A 0.1 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	B 0.1 76	B 0.1 76	B 0.1 76	B 0.1 76	B 0.1 76	B 0.1 85	
493	A 0.1 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	B 0.1 75	B 0.1 75	B 0.1 75	B 0.1 75	B 0.1 75	B 0.1 84	
494	A 0.3 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0. 75	
495	A 0.3 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0. 76	A 0. 76	
496	A 0.1 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	B 0.1 102	B 0.2 102	B 0.1 102	B 0.1 102	B 0.1 102	B 0.1 102	
497	A 0.3 56	A 0.1 55	A 0.1 55	A 0. 55	A 0. 55	A 0. 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0. 55	A 0. 55	A 0. 55	
498	A 0.3 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	
499	A 0.3 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	
500	A 0.3 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	
501	A 0.3 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	
502	A 0.3 18	A 0. 18	A 0. 18	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	
503	A 0.1 22	A 0. 22	A 0. 22	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	
504	A 0.3 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	
505	A 0.1 33	A 0. 33	A 0. 33	A 0. 28	A 0. 28	A 0. 28	A 0.1 28	A 0.1 28	A 0. 31	A 0. 31	A 0. 31	A 0. 31	
506	A 0.1 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	



Table 20 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
507	A 0.1 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35
508	A 0.3 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48
509	A 0.3 74	A 0. 74	A 0. 74	A 0. 40	A 0. 40	A 0. 40	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74
510	B 0.2 74	B 0. 74	B 0. 74	A 0. 24	A 0. 24	A 0. 24	B 0. 72	B 0. 72	B 0. 72	B 0. 72	B 0. 72	B 0. 72	B 0. 72
511	A 0.2 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74
512	A 0.2 113	A 0.1 113	A 0.1 113	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0. 117
513	B 0.3 113	B 0. 113	B 0. 113	A 0. 33	A 0. 33	A 0. 33	B 0. 113	B 0.1 113	B 0. 113	B 0. 113	B 0. 113	B 0. 113	B 0. 113
514	B 0. 160	B 0. 160	B 0. 160	B 0. 160	B 0. 160	B 0. 160	B 0. 160	B 0. 160	B 0. 160	B 0. 160	B 0. 160	B 0. 160	B 0. 160
515	A 0.3 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	B 0.1 193	B 0.1 193	B 0.1 193	B 0.1 193
516	A 0.2 63	A 0.1 63	A 0.1 63	A 0.1 62	A 0.1 62	A 0.1 62	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61
517	A 0.1 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
518	A 0.3 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
519	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 53	A 0.1 53	A 0.1 53	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50
520	A 0.2 74	A 0. 74	A 0. 74	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54
521	A 0.1 39	A 0. 39	A 0. 39	A 0. 27	A 0. 27	A 0. 27	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33
522	A 0.2 49	A 0.1 49	A 0.1 49	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0. 45
523	A 0.2 85	A 0.1 85	A 0.1 85	A 0.2 79	A 0.2 79	A 0.2 79	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0. 97	A 0. 97	A 0. 97
524	C 0.1 32	C 0. 32	C 0. 32	C 0. 32	C 0. 32	C 0. 32	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50
525	C 0.1 34	C 0. 34	C 0. 34	C 0. 34	C 0. 34	C 0. 34	C 0. 60	C 0. 60	C 0. 60	C 0. 60	C 0. 60	C 0. 60	C 0. 61
526	C 0.1 32	C 0. 32	C 0. 32	C 0. 32	C 0. 32	C 0. 32	C 0. 59	C 0. 59	C 0. 59	C 0. 59	C 0. 59	C 0. 59	C 0. 59
527	C 0.1 34	C 0. 34	C 0. 34	C 0. 34	C 0. 34	C 0. 34	C 0.1 70	C 0.1 70	C 0.1 70	C 0.1 70	C 0.1 70	C 0.1 70	C 0.1 70
528	A 0.3 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44
529	A 0.2 96	A 0.1 94	A 0.1 94	C 0. 40	C 0. 40	C 0. 40	A 0.2 111	A 0.2 111	A 0.2 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116
530	A 0.1 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0.2 104	A 0.2 104	A 0.2 104	A 0.2 104	A 0.1 104	A 0.1 104	A 0.1 104
531	A 0.1 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0.2 83	A 0.3 83	A 0.2 88	A 0.2 88	A 0.2 88	A 0.2 88	A 0.1 88
532	A 0.3 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 40
533	A 0.1 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64
534	A 0.3 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0. 63
535	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
536	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
537	A 0.3 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 30	A 0.1 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
538	B 0. 108	B 0. 108	B 0. 108	B 0. 108	B 0. 108	B 0. 108	B 0. 108	B 0. 108	B 0. 108	B 0. 108	B 0. 108	B 0. 108	B 0. 108
539	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
540	A 0.3 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15

Table 20 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
541	A 0.3 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33
542	C 0.2 85	C 0.1 85	C 0.1 85	C 0. 85	C 0. 85	C 0.1 85	A 0.2 93	A 0.2 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93
543	A 0.1 66	A 0.1 66	A 0.1 66	A 0. 66	A 0. 66	A 0. 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66
544	A 0.1 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 39
545	A 0.1 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47
546	A 0.1 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
547	A 0.1 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0.1 41	A 0.1 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41
548	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69
549	A 1.2 70	A 0.2 70	A 0.2 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.3 70
550	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
551	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
552	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
553	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
554	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
555	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
556	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
557	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
558	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
559	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28
560	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
561	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
562	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
563	B 0. 172	B 0. 172	B 0. 172	B 0. 172	B 0. 172	B 0. 172	B 0. 172	B 0. 172	B 0. 172	B 0. 172	B 0. 172	B 0. 172	B 0. 172
564	B 0. 249	B 0. 249	B 0. 249	B 0. 249	B 0. 249	B 0. 249	B 0.1 249	B 0.1 249	B 0.1 249	B 0. 249	B 0. 249	B 0. 249	B 0. 249
565	B 0. 98	B 0. 98	B 0. 98	B 0. 98	B 0. 98	B 0. 98	B 0. 98	B 0. 98	B 0. 98	B 0. 98	B 0. 98	B 0. 98	B 0. 98
566	A 0. 159	A 0. 159	A 0. 159	A 0. 159	A 0. 159	A 0.1 159	A 0.1 159	A 0.1 159	A 0.1 159	A 0.1 159	A 0.1 159	A 0.1 159	A 0. 159
567	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
568	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116
569	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
570	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48
571	A 0.1 60	A 0. 60	A 0. 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60
572	A 0.1 182	A 0.1 182	A 0.1 182	A 0.2 182	A 0.2 182	A 0.2 182	A 0.3 182	A 0.4 182	A 0.2 182	A 0.2 182	A 0.2 182	A 0.2 182	A 0.2 182
573	A 0.1 196	A 0.1 196	A 0.1 196	A 0.1 196	A 0.1 196	A 0.2 196	A 0.3 196	A 0.3 196	A 0.2 196	A 0.2 196	A 0.2 196	A 0.2 196	A 0.2 196
574	A 0. 115	A 0. 115	A 0. 115	A 0. 115	A 0. 115	A 0. 115	A 0. 115	A 0. 115	A 0. 115	A 0. 115	A 0. 115	A 0. 115	A 0. 115

Table 20 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
575	A 0. 143	A 0. 143	A 0. 143	A 0.1 143	A 0. 143	A 0.1 143	A 0.1 143	A 0.1 143	A 0.1 143	A 0.1 143	A 0.1 143	A 0. 143	
576	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47
577	A 0.1 155	A 0.1 155	A 0.1 155	A 0.1 155	A 0.1 155	A 0.1 155	A 0.2 155	A 0.2 155	A 0.1 155	A 0.1 155	A 0.1 155	A 0.1 155	A 0.1 155
578	A 0.1 181	A 0.1 181	A 0.1 181	A 0.1 181	A 0.1 181	A 0.1 181	A 0.2 181	A 0.2 181	A 0.2 181	A 0.2 181	A 0.1 181	A 0.1 181	A 0.1 181
579	A 0. 199	A 0.1 199	A 0. 199	A 0. 199	A 0. 199	A 0.1 199	A 0.2 199	A 0.2 199	A 0.1 199	A 0.1 199	A 0.1 199	A 0.1 199	A 0.1 199
580	B 0.1 308	B 0.1 308	B 0.1 308	B 0.1 308	B 0.1 308	B 0.1 308	B 0.2 308	B 0.1 308	B 0.1 308	B 0.1 308	B 0.1 308	B 0.1 308	B 0.1 308
581	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23

## 2.19 1\_Algebraic\_functions\1.1Binomialproducts\1.1.3General\1.1.3.3(a+bx^n)^p(c+dx^n)^q

Table 21: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0.
2	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 121	A 0.1 121	A 0.1 121	A 0.2 121	A 0.2 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1
3	A 0. 59	A 0. 59	A 0. 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1
4	A 0.3 197	A 0.3 197	A 0.3 197	A 0.5 197	A 0.4 197	A 0.6 197	A 0.9 197	A 1. 197	A 1.4 197	A 0.8 197	A 0.6 197	A 0.6
5	A 0.1 196	A 0.1 196	A 0.1 196	A 0.1 196	A 0.1 196	A 0.1 196	A 0.2 196	A 0.2 196	A 0.2 196	A 0.2 196	A 0.2 196	A 0.1
6	A 0.1 160	A 0.1 160	A 0.1 160	A 0.1 160	A 0.1 160	A 0.1 160	A 0.1 160	A 0.2 160	A 0.1 160	A 0.1 160	A 0.1 160	A 0.1
7	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0.
8	B 8.4 1268	B 9.5 1268	B 9.3 1268	A 0.6 176	A 0.5 176	A 0.6 176	A 0.2 128	A 0.2 128	A 0.2 128	A 0.2 128	A 0.1 128	A 0.1
9	A 10.2 184	A 10.6 227	A 10.6 227	A 1. 227	A 1. 227	A 1. 227	A 0.4 184	A 0.5 184	A 0.4 184	A 0.4 184	A 0.3 184	A 0.3
10	A 0.3 225	A 0.3 225	A 0.3 225	A 5.1 220	A 5.1 220	A 5.1 220	A 0.2 220	A 0.2 220	A 0.2 220	A 0.2 226	A 0.2 226	A 0.2
11	A 10.2 260	A 10.8 305	A 10.9 305	A 1.4 362	A 1.4 362	A 1.5 362	A 0.4 260	A 0.5 260	A 0.5 270	A 0.6 270	A 0.4 270	A 0.4
12	A 10.5 201	A 10.5 201	A 10.5 201	A 0.8 201	A 0.8 201	A 0.9 201	A 0.3 139	A 0.3 139	A 0.3 139	A 0.3 139	A 0.2 139	A 0.2
13	A 0. 37	A 0. 37	A 0. 37	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0.
14	A 0.1 65	A 0.1 65	A 0.1 65	A 0. 57	A 0. 57	A 0. 57	A 0. 61	A 0.1 61	A 0. 61	A 0. 61	A 0. 61	A 0.
15	A 0.3 139	A 0.2 139	A 0.2 139	A 5.1 122	A 5.1 122	A 5.1 122	A 0.1 122	A 0.2 122	A 0.1 122	A 0.1 122	A 0.1 122	A 0.1
16	A 0.2 95	A 0.2 95	A 0.2 95	C 2.6 160	C 2.4 160	C 2.6 160	A 0.1 89	A 0.2 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1
17	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0. 58	A 0.
18	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0.
19	A 0.3 122	A 0.3 122	A 0.3 122	C 0.8 405	C 0.8 405	C 0.8 405	A 0.2 100	A 0.2 100	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1
20	A 10.2 179	A 15.2 179	A 15.2 179	A 5.3 179	A 5.3 179	A 5.3 179	A 0.4 179	A 0.4 179	A 0.2 177	A 0.2 177	A 0.2 177	A 0.3
21	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0.
22	C 6. 62	C 5.6 62	C 5.6 62	C 0.1 62	C 0.1 62	C 0.1 62	C 0.1 76	C 0.1 76	C 0.1 76	C 0.1 76	C 0. 76	C 0.
23	C 15.2 265	C 10.2 265	C 10.2 265	C 0.3 265	C 0.3 265	C 0.5 364	C 0.7 364	C 0.2 162	C 0.2 162	C 0.3 186	C 0.2 186	C 0.1
24	C 7.1 231	C 7.3 231	C 7.3 231	C 0.1 231	C 0.1 231	C 0.2 333	C 0.2 333	C 0.1 127	C 0.1 127	C 0.1 127	C 0.1 127	C 0.1
25	C 10.1 252	C 10.1 252	C 10.1 252	C 0.2 252	C 0.2 252	C 0.3 346	C 0.3 346	C 0.2 152	C 0.2 152	C 0.2 177	C 0.1 177	C 0.1
26	C 5.2 98	C 15. 98	C 15. 98	C 5.1 98	C 5.1 98	C 5.1 98	C 0.1 98	C 0.1 98	C 0.1 98	C 0.1 98	C 0.1 98	C 0.1
27	C 5.1 88	C 15. 88	C 15. 88	C 5.1 88	C 5. 88	C 5.1 88	C 0.1 88	C 0.1 88	C 0.1 88	C 0.1 88	C 0.1 88	C 0.
28	C 10.1 255	C 10.1 255	C 10.1 255	C 0.2 255	C 0.2 255	C 0.2 352	C 0.3 352	C 0.2 178	C 0.2 178	C 0.2 178	C 0.2 178	C 0.1
29	C 6.7 226	C 6.3 226	C 6.2 226	C 0.1 226	C 0.1 226	C 0.2 325	C 0.3 325	C 0.1 124	C 0.1 124	C 0.1 124	C 0.1 124	C 0.1
30	C 7.2 248	C 7.5 248	C 7.4 248	C 0.2 248	C 0.2 248	C 0.2 347	C 0.2 347	C 0.2 150	C 0.1 150	C 0.1 150	C 0.1 150	C 0.1

Table 21 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			7					
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size			
31	C	10.1	259	C	10.1	259	C	10.1	259	C	0.2	259	C	0.2	259	C	0.2	346	C	0.3	346	C	0.2	196	C	0.2	196	C	0.2	196	C	0.2	196	C	0.2	196	C	0.2	196
32	C	10.7	156	C	5.1	156	C	5.	156	C	0.2	156	C	0.2	156	C	0.2	156	C	0.2	156	C	0.1	62	C	0.	62	C	0.	61	C	0.1	61	C	0.1	61	C	0.1	61
33	A	0.2	155	A	0.2	155	A	0.2	155	C	0.2	143	C	0.2	143	C	0.3	203	C	0.2	203	C	0.	48	C	0.	48	C	0.	48	C	0.1	48	C	0.1	48	C	0.1	48
34	C	3.4	243	C	2.2	243	C	2.2	243	C	0.5	243	C	0.4	243	C	0.5	243	C	0.8	243	C	0.8	243	C	0.7	243	C	0.7	243	C	0.6	243	C	0.6	243	C	0.5	243
35	C	2.6	285	C	4.7	285	C	4.7	285	C	0.6	285	C	0.6	285	C	0.6	285	C	1.	285	C	1.1	285	C	1.2	287	C	1.3	287	C	1.	287	C	1.	287	C	0.9	287
36	A	0.2	21	A	0.3	21	A	0.3	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21
37	C	1.4	136	C	1.9	136	C	1.9	136	C	0.3	136	C	0.3	136	C	0.3	136	C	0.5	136	C	0.6	136	C	0.5	136	C	0.5	136	C	0.4	136	C	0.4	136	C	0.3	136
38	A	3.3	112	A	1.8	112	A	1.8	112	A	0.2	112	A	0.2	112	A	0.2	112	A	0.4	112	A	0.4	112	A	0.4	112	A	0.4	112	A	0.4	112	A	0.3	112	A	0.3	112
39	A	1.	89	A	0.6	89	A	0.6	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89
40	A	1.	88	A	0.6	88	A	0.6	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88
41	A	0.	10	A	10.	10	A	10.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10
42	C	10.	18	C	10.	18	C	10.	18	C	0.	18	C	0.	18	C	0.	18	C	0.	18	C	0.	18	C	0.	18	C	0.	18	C	0.	18	C	0.	18	C	0.	18
43	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8
44	C	10.	19	C	10.	19	C	10.	19	C	0.	19	C	0.	19	C	0.	19	C	0.	19	C	0.	19	C	0.	19	C	0.	19	C	0.	19	C	0.	19	C	0.	19
45	A	0.4	20	A	0.2	20	A	0.2	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20
46	A	0.5	30	A	0.1	30	A	0.1	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30
47	A	0.4	32	A	0.2	32	A	0.2	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32
48	C	0.4	46	C	0.1	46	C	0.1	46	C	0.	46	C	0.	46	C	0.	46	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30
49	A	0.4	40	A	0.2	40	A	0.2	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40
50	A	0.7	90	A	0.8	90	A	0.8	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90
51	A	0.6	86	A	0.8	86	A	0.8	86	A	0.1	86	A	0.	86	A	0.1	86	A	0.1	86	A	0.1	86	A	0.1	86	A	0.1	86	A	0.1	86	A	0.1	86	A	0.1	86
52	A	0.6	89	A	0.8	89	A	0.8	89	A	0.	89	A	0.	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89
53	A	0.7	89	A	0.8	89	A	0.8	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89
54	A	0.7	92	A	0.8	92	A	0.8	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92
55	A	0.7	40	A	0.5	40	A	0.5	40	A	0.	40	A	0.	40	A	0.	40	A	0.1	40	A	0.1	40	A	0.1	40	A	0.1	40	A	0.1	40	A	0.	40	A	0.	40
56	A	0.3	24	A	0.4	24	A	0.4	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24
57	A	1.7	95	A	2.1	95	A	2.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.4	92	A	0.4	92	A	0.4	92	A	0.4	92	A	0.4	92	A	0.3	92	A	0.3	92
58	A	1.9	102	A	2.3	102	A	2.3	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.4	94	A	0.4	94	A	0.3	94	A	0.4	94	A	0.3	94	A	0.3	94	A	0.2	94
59	A	0.3	119	A	0.2	119	A	0.2	119	C	0.1	135	C	0.1	135	C	0.1	135	C	0.2	135	C	0.	35	C	0.	35	C	0.	35	C	0.	35	C	0.	35	C	0.	35
60	A	0.2	77	A	0.1	77	A	0.1	77	C	0.2	157	C	0.1	157	C	0.1	157	C	0.2	157	C	0.1	65	C	0.	65	C	0.1	64	C	0.1	64	C	0.1	64	C	0.1	64
61	C	13.6	346	C	9.	346	C	8.9	346	C	0.5	346	C	0.5	346	C	0.7	431	C	1.	431	C	0.2	147	C	0.2	148	C	0.2	148	C	0.2	148	C	0.2	148	C	0.2	148
62	C	11.9	160	C	6.3	160	C	6.3	160	C	0.2	160	C	0.2	160	C	0.2	160	C	0.2	160	C	0.2	160	C	0.	60	C	0.	60	C	0.	59	C	0.	59	C	0.	59
63	C	10.1	431	C	9.8	431	C	9.7	431	C	0.9	431	C	0.9	431	C	1.3	408	C	1.9	408	C	0.5	208	C	0.4	209	C	0.4	209	C	0.4	209	C	0.4	209	C	0.3	209
64	C	10.2	336	C	10.2	336	C	10.2	336	C	0.3	336	C	0.3	336	C	0.5	340	C	0.7	340	C	0.3	170	C	0.2	170	C	0.2	170	C	0.2	170	C	0.2	170	C	0.2	170

Table 21 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			7		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
65	A	0.4	136	A	5.1	136	A	5.1	136	A	5.1	136	A	5.1	136	A	5.1	136	A	0.1	136	A	0.1	136	A	0.1	136	A	0.1	136	A	0.1	136	A	0.1	136
66	A	0.4	52	A	0.4	52	A	0.4	52	A	0.	52	A	0.	52	A	0.	52	C	2.1	594	C	0.4	230	C	0.3	230	C	0.3	230	C	0.3	230	C	0.3	230
67	A	0.	94	A	0.	94	A	0.	94	A	0.	94	A	0.	94	A	0.	94	A	0.	94	A	0.	94	A	0.	94	A	0.	94	A	0.	94	A	0.	94
68	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70
69	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50
70	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	128	A	0.2	128	A	0.1	133	A	0.1	133	A	0.1	133	A	0.1	133
71	A	0.	122	A	0.	122	A	0.	122	A	0.	122	A	0.	122	A	0.1	122	A	0.	122	A	0.	122	A	0.	122	A	0.	122	A	0.	122	A	0.	122
72	A	0.	82	A	0.	82	A	0.	82	A	0.	82	A	0.	82	A	0.	82	A	0.	82	A	0.	82	A	0.	82	A	0.	82	A	0.	82	A	0.	82
73	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50
74	A	0.1	253	A	0.1	253	A	0.1	253	A	0.1	253	A	0.1	253	A	0.1	253	A	0.2	253	A	0.2	253	A	0.2	253	A	0.2	253	A	0.2	253	A	0.2	253
75	A	0.1	224	A	0.1	224	A	0.1	224	A	0.1	224	A	0.1	224	A	0.1	224	A	0.2	224	A	0.2	224	A	0.2	224	A	0.2	224	A	0.2	224	A	0.1	224
76	A	0.4	37	A	0.2	37	A	0.3	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37
77	A	0.4	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106
78	A	0.4	106	A	5.1	106	A	5.1	106	A	5.1	106	A	5.1	106	A	5.1	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106
79	A	0.4	90	A	0.1	90	A	0.1	90	A	0.	90	A	0.	90	A	0.	90	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75
80	A	0.	82	A	0.	82	A	0.	82	A	0.	82	A	0.	82	A	0.	82	A	0.	82	A	0.	82	A	0.	82	A	0.	82	A	0.	82	A	0.	82
81	A	0.2	391	A	0.2	391	A	0.2	391	A	0.4	391	A	0.4	391	A	0.5	391	A	0.6	391	A	0.7	391	A	0.6	391	A	0.7	391	A	0.5	391	A	0.5	391
82	A	0.2	301	A	0.2	301	A	0.2	301	A	0.2	301	A	0.2	301	A	0.3	301	A	0.4	301	A	0.4	301	A	0.4	301	A	0.4	301	A	0.3	301	A	0.3	301
83	A	0.1	297	A	0.1	297	A	0.1	297	A	0.2	297	A	0.2	297	A	0.2	297	A	0.3	297	A	0.3	297	A	0.3	297	A	0.3	297	A	0.2	297	A	0.2	297
84	C	15.1	156	C	10.1	156	C	10.1	156	C	0.2	156	C	0.2	156	C	0.2	156	C	0.3	156	C	0.1	59	C	0.1	59	C	0.1	59	C	0.1	146	C	0.1	156
85	C	15.1	161	C	10.1	161	C	10.1	161	C	0.2	161	C	0.2	161	C	0.2	161	C	0.2	161	C	0.	60	C	0.	60	C	0.	59	C	0.1	59	C	0.	161
86	C	15.6	477	C	10.6	477	C	10.6	477	C	0.8	477	C	0.9	477	C	1.4	580	C	2.	580	C	0.7	291	C	0.6	291	C	0.6	291	C	2.2	477	C	1.8	477
87	C	8.8	251	C	0.9	255	C	0.8	255	C	0.2	161	C	0.2	161	C	0.2	161	C	0.2	161	C	0.	60	C	0.	60	C	0.	59	C	0.	59	C	0.	251
88	C	1.3	226	C	1.2	229	C	1.1	229	C	0.4	256	C	0.3	256	C	0.4	256	A	0.4	153	C	0.1	114	C	0.1	114	C	0.1	112	C	0.1	112	C	0.1	226
89	C	3.9	321	C	3.9	320	C	3.8	320	C	4.5	1172	C	4.5	1172	A	5.4	231	A	0.5	231	C	0.4	181	C	0.4	207	C	0.5	203	C	0.4	203	C	0.4	321
90	C	15.1	161	C	10.1	161	C	10.1	161	C	0.2	161	C	0.2	161	C	0.2	161	C	0.3	161	C	0.1	60	C	0.	60	C	0.	59	C	0.1	59	C	0.	161
91	C	10.5	430	C	10.5	430	C	10.5	430	C	0.7	430	C	0.7	430	C	1.1	407	C	1.6	407	C	0.5	208	C	0.4	209	C	0.4	209	C	0.4	209	C	0.4	430
92	A	0.4	90	A	0.1	90	A	0.1	90	A	0.	90	A	0.	90	A	0.	90	A	0.	75	A	0.1	75	A	0.	75	A	0.	75	A	0.	75	A	0.	90
93	A	0.4	122	A	0.4	122	A	0.4	122	A	0.3	122	A	0.3	122	A	0.4	122	C	0.6	197	C	0.6	197	C	0.5	197	C	0.5	197	C	0.4	197	C	0.3	122
94	A	0.2	159	A	0.2	159	A	0.2	159	A	0.2	159	A	0.2	159	A	0.2	159	A	0.2	169	A	0.3	169	A	0.2	169	A	0.2	169	A	0.2	169	A	0.2	159
95	A	0.3	144	A	0.3	144	A	0.3	144	A	0.3	143	A	0.3	143	A	0.4	143	C	0.4	231	C	0.5	231	C	0.5	231	C	0.4	231	C	0.3	231	C	0.3	144
96	A	0.2	145	A	0.3	145	A	0.3	145	A	0.1	121	A	0.1	121	A	0.2	121	A	0.2	156	A	0.3	156	A	0.2	156	A	0.2	156	A	0.2	156	A	0.2	145
97	A	0.	64	A	0.	64	A	0.	64	A	0.	64	A	0.	64	A	0.1	64	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.	71	A	0.	64
98	A	0.1	51	A	0.1	51	A	0.1	51	A	0.	53	A	0.	53	A	0.1	53	A	0.1	62	A	0.1	62	A	0.1	66	A	0.1	66	A	0.	66	A	0.	51

Table 21 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			7		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
99	C	0.	36	A	0.1	57	A	0.1	57	C	0.	36	C	0.	36	C	0.	36	A	0.1	67	A	0.1	67	A	0.1	77	A	0.1	77	A	0.1	77	A	0.	
100	A	0.2	134	A	0.2	134	A	0.2	134	A	0.3	145	A	0.3	145	A	0.4	145	A	0.2	145	A	0.3	145	A	0.2	145	A	0.2	145	A	0.2	145	A	0.1	
101	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	
102	A	0.1	104	A	0.1	104	A	0.1	104	C	0.	22	C	0.	22	C	0.	22	A	0.	102	A	0.	102	A	0.	102	A	0.	102	A	0.	102	A	0.	
103	A	0.	28	A	0.	28	A	0.	28	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	
104	A	0.9	90	A	0.2	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.2	90	A	0.1	92	A	0.2	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	
105	A	0.2	58	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	58	A	0.2	136	A	0.2	136	A	0.2	136	A	0.2	136	A	0.1	136	B	0.3	
106	A	0.2	82	A	0.1	82	A	0.1	82	A	0.	82	A	0.	82	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	
107	A	0.1	56	A	0.	56	A	0.1	56	A	0.	56	A	0.	56	A	0.1	56	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.	
108	A	0.4	147	A	0.2	147	A	0.2	147	A	0.2	147	A	0.2	147	A	0.2	147	A	0.3	147	A	0.3	147	A	0.3	163	A	0.3	163	A	0.2	163	A	0.3	
109	A	0.5	168	A	5.2	168	A	5.2	168	A	5.3	168	A	5.3	168	A	5.3	168	A	0.4	168	A	0.5	168	A	0.4	168	A	0.3	168	A	0.3	168	A	0.2	
110	A	0.3	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.5	93	A	0.3	94	A	0.2	94	A	0.2	94	A	0.2	94	A	0.2	
111	C	0.5	136	C	0.3	136	C	0.3	136	C	0.4	136	C	0.2	153	C	0.2	153	C	0.3	153	C	0.3	153	C	0.3	153	C	0.2	153	C	0.2	153	C	0.2	
112	C	0.	55	C	0.	55	C	0.	55	C	0.	55	C	0.	55	C	0.	55	C	0.	55	C	0.	55	C	0.	55	C	0.	55	C	0.	55	C	0.	
113	A	0.4	73	A	0.1	75	A	0.1	75	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.	
114	A	0.3	43	A	0.1	43	A	0.1	43	A	0.	52	A	0.	52	A	0.	52	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.	43	A	0.	
115	A	0.5	50	A	0.1	48	A	0.1	48	B	0.	73	B	0.	73	B	0.	73	A	0.1	53	A	0.1	53	A	0.1	53	A	0.1	53	A	0.1	53	A	0.	
116	A	0.4	73	A	0.1	74	A	0.1	74	A	0.1	87	A	0.1	87	A	0.1	87	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.	
117	A	0.5	68	A	0.1	68	A	0.1	68	A	0.3	119	A	0.3	119	A	0.3	119	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.	
118	A	0.4	76	A	0.1	70	A	0.1	70	A	0.1	102	A	0.1	102	A	0.1	102	C	0.1	103	C	0.1	103	C	0.1	103	C	0.1	103	C	0.1	103	C	0.1	
119	A	0.5	104	A	0.2	101	A	0.2	101	A	0.1	144	A	0.1	144	A	0.1	144	C	0.2	135	C	0.2	135	C	0.2	135	C	0.2	135	C	0.1	135	C	0.1	
120	A	0.4	60	A	0.1	45	A	0.1	45	A	0.	45	A	0.	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.	
121	C	10.2	244	C	10.2	244	C	10.2	244	C	0.3	244	C	0.3	244	C	0.3	244	C	4.1	1424	C	0.7	296	C	0.6	296	C	0.6	296	C	2.6	652	C	2.3	
122	A	4.1	35	C	7.1	44	C	7.	44	A	0.	36	A	0.	36	A	0.	36	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
123	B	1.	258	B	0.3	258	B	0.3	258	B	0.3	258	B	0.3	258	B	0.3	258	B	0.5	258	A	0.1	77	A	0.1	77	A	0.1	76	A	0.1	76	A	0.1	
124	A	0.8	103	A	0.9	103	A	0.9	103	A	0.3	103	A	0.3	103	A	0.3	103	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	

## 2.20 1\_Algebraic\_functions\1.1Binomialproducts\1.1.3General\1.1.3.4(ex)^m(a+bx^n)^p(c+dx^n)^q

Table 22: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
2	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 28	A 0. 28
3	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 35	A 0. 35
4	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50
5	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50
6	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 56	A 0. 56	A 0. 56	A 0. 56
7	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117
8	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117
9	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117
10	B 0. 107	B 0. 107	B 0. 107	B 0. 107	B 0. 107	B 0. 107	B 0. 107	B 0. 107	B 0. 107	B 0. 107	B 0. 107	B 0. 107
11	A 0. 109	A 0. 109	A 0. 109	A 0. 109	A 0. 109	A 0. 109	A 0. 109	A 0. 109	A 0. 109	A 0. 109	A 0. 109	A 0. 109
12	A 0. 110	A 0. 110	A 0. 110	A 0. 110	A 0. 110	A 0. 110	A 0.1 110	A 0.1 110	A 0.1 110	A 0. 110	A 0. 110	A 0. 110
13	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A 0.1 122	A 0.1 122	A 0.1 122	A 0.1 117	A 0. 117	A 0. 117	A 0. 117
14	A 0. 119	A 0. 119	A 0. 119	A 0. 119	A 0. 119	A 0. 119	A 0.1 119	A 0.1 119	A 0. 119	A 0. 119	A 0. 119	A 0. 119
15	A 0. 121	A 0. 121	A 0. 121	A 0. 121	A 0. 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0. 121	A 0. 121	A 0. 121
16	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117
17	A 0. 121	A 0. 121	A 0. 121	A 0. 121	A 0. 121	A 0. 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0. 121	A 0. 121	A 0. 121
18	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0. 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0. 117	A 0.1 117
19	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47
20	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70
21	A 0. 78	A 0. 78	A 0. 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78
22	A 0.1 101	A 0. 101	A 0. 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101
23	A 0.1 113	A 0.1 113	A 0. 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113
24	A 0.1 72	A 0. 72	A 0. 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72
25	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0. 50	A 0. 50	A 0. 50
26	A 0.1 68	A 0. 68	A 0. 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68
27	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0.1 70	A 0.1 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70
28	A 0.1 90	A 0. 90	A 0. 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90
29	A 0.1 112	A 0. 112	A 0. 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112
30	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 110	A 0.2 110	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 110



Table 22 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0. 92	A 0. 92	A 0. 92	A 0. 92	A 0. 92	A 0. 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0. 92	A 0. 92	A 0. 92
32	A 0.1 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0.2 133	A 0.2 133	A 0.2 133	A 0.2 133	A 0.2 133	A 0.1 133	A 0.1 133
33	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.2 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113
34	A 0. 96	A 0. 96	A 0. 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96
35	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9
36	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3	A 0. 3
37	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4
38	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37
39	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28
40	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47
41	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51
42	A 0. 127	A 0. 127	A 0. 127	A 0. 127	A 0. 127	A 0. 127	A 0. 127	A 0. 127	A 0. 127	A 0. 127	A 0. 127	A 0. 127
43	A 0. 119	A 0. 119	A 0. 119	A 0. 119	A 0. 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0. 119	A 0. 119	A 0. 119	A 0. 119
44	A 0. 119	A 0. 119	A 0. 119	A 0. 119	A 0. 119	A 0. 119	A 0. 119	A 0.1 119	A 0. 119	A 0. 119	A 0. 119	A 0. 119
45	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A 0. 122
46	A 0. 123	A 0. 123	A 0. 123	A 0. 123	A 0. 123	A 0. 123	A 0.1 123	A 0.1 123	A 0.1 123	A 0. 123	A 0. 123	A 0. 123
47	A 0. 120	A 0. 120	A 0. 120	A 0. 120	A 0. 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0. 120	A 0. 120
48	A 0. 120	A 0. 120	A 0. 120	A 0.1 120	A 0. 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 123	A 0. 123	A 0. 123	A 0. 123
49	A 0. 120	A 0. 120	A 0. 120	A 0.1 120	A 0. 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0. 120	A 0. 120
50	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49
51	A 0. 59	A 0. 59	A 0. 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59
52	A 0. 64	A 0. 64	A 0. 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64
53	A 0. 72	A 0. 72	A 0. 72	A 0.1 72	A 0. 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0. 72
54	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 103	A 0. 103	A 0.1 103	A 0.1 103	A 0.1 103	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85
55	A 0.1 148	A 0. 148	A 0. 148	A 0.1 148	A 0.1 148	A 0.1 148	A 0.1 148	A 0.1 148	A 0.1 148	A 0.1 148	A 0.1 148	A 0.1 148
56	A 0. 77	A 0. 77	A 0. 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77
57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0. 57	A 0. 57
58	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34
59	A 0. 60	A 0. 60	A 0. 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60
60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60
61	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0. 75	A 0. 75
62	A 0. 61	A 0. 61	A 0. 61	A 0.1 61	A 0. 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0. 61
63	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54
64	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.2 101	A 0.2 101	A 0.2 101	A 0.2 101	A 0.2 101	A 0.2 101	A 0.1 101

Table 22 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			7		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
65	A	0.	91	A	0.	91	A	0.	91	A	0.1	91	A	0.	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.	91
66	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.2	90	A	0.2	90	A	0.2	90	A	0.2	90	A	0.2	90	A	0.1	90
67	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.2	98	A	0.2	98	A	0.2	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98
68	A	0.3	142	A	0.2	142	A	0.2	142	A	0.4	142	A	0.4	142	A	0.6	142	A	0.8	142	A	0.9	142	A	0.8	142	A	0.6	142	A	0.5	142	A	0.4	142
69	A	0.	97	A	0.	97	A	0.	97	A	0.1	77	A	0.1	77	A	0.1	77	A	0.2	77	A	0.2	77	A	0.2	77	A	0.2	77	A	0.1	77	A	0.1	84
70	A	0.3	172	A	0.2	172	A	0.2	172	A	0.4	172	A	0.4	172	A	0.4	172	A	0.7	172	A	0.7	172	A	0.6	172	A	0.6	172	A	0.5	172	A	0.5	172
71	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21
72	A	0.1	90	A	0.	90	A	0.	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90
73	A	0.1	138	A	0.1	138	A	0.1	138	A	0.1	138	A	0.1	138	A	0.1	138	A	0.1	138	A	0.2	138	A	0.1	138	A	0.1	138	A	0.1	138	A	0.1	138
74	A	0.1	105	A	0.	105	A	0.	105	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	105
75	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	80	A	0.1	80	A	0.	80	A	0.	80
76	A	0.1	91	A	0.	91	A	0.	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91
77	A	0.1	107	A	0.	107	A	0.	107	A	0.1	107	A	0.1	107	A	0.1	107	A	0.1	107	A	0.1	107	A	0.1	107	A	0.1	107	A	0.1	107	A	0.1	107
78	A	0.	125	A	0.	125	A	0.	125	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125
79	A	0.1	109	A	0.1	109	A	0.1	109	A	0.1	109	A	0.1	109	A	0.2	109	A	0.2	109	A	0.3	109	A	0.2	109	A	0.2	109	A	0.2	109	A	0.1	109
80	A	0.2	136	A	0.1	136	A	0.1	136	A	0.2	133	A	0.2	133	A	0.2	133	A	0.3	133	A	0.3	133	A	0.3	133	A	0.3	133	A	0.2	133	A	0.2	133
81	A	0.	77	A	0.	77	A	0.	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77
82	A	0.2	133	A	0.1	133	A	0.1	133	A	0.2	133	A	0.2	133	A	0.3	133	A	0.4	133	A	0.4	133	A	0.4	133	A	0.3	133	A	0.3	133	A	0.3	133
83	A	0.3	166	A	0.2	166	A	0.2	166	A	0.4	166	A	0.4	166	A	0.4	166	A	0.6	166	A	0.7	166	A	0.6	166	A	0.6	166	A	0.4	166	A	0.4	166
84	A	0.1	107	A	0.1	107	A	0.1	107	A	0.1	107	A	0.1	107	A	0.1	107	A	0.2	107	A	0.2	107	A	0.2	107	A	0.2	107	A	0.2	107	A	0.1	107
85	A	0.2	197	A	0.2	197	A	0.2	197	A	0.4	197	A	0.4	197	A	0.6	197	A	0.8	197	A	0.9	197	A	0.9	197	A	0.8	197	A	0.1	197	A	0.1	197
86	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80
87	A	0.2	118	A	0.1	118	A	0.1	118	A	0.1	118	A	0.1	118	A	0.1	118	A	0.2	118	A	0.2	118	A	0.1	118	A	0.1	118	A	0.1	118	A	0.1	118
88	A	0.4	127	A	0.2	127	A	0.2	127	A	0.1	127	A	0.1	127	A	0.1	127	A	0.1	127	A	0.1	127	A	0.1	127	A	0.1	127	A	0.1	127	A	0.1	127
89	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.	80
90	A	0.	127	A	0.	127	A	0.	127	A	0.	127	A	0.	127	A	0.1	127	A	0.1	127	A	0.1	127	A	0.1	127	A	0.	127	A	0.	127	A	0.	127
91	A	0.6	173	A	0.4	173	A	0.4	173	A	0.2	173	C	0.1	54	C	0.3	195	C	0.5	195	C	0.1	54	C	0.1	54	C	0.1	52	A	0.2	173	A	0.2	173
92	A	0.	33	A	0.	35	A	0.	35	A	0.	36	A	0.	36	A	0.	36	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33
93	A	0.	53	A	0.	59	A	0.	59	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53
94	A	0.2	151	A	0.2	150	A	0.2	150	A	0.2	208	A	0.2	208	A	0.3	208	A	0.3	243	A	0.3	243	A	0.2	243	A	0.3	243	A	0.2	243	A	0.2	243
95	A	0.7	186	A	0.6	186	A	0.6	186	C	0.2	147	C	0.2	147	C	0.3	147	A	0.5	285	A	0.5	285	A	0.4	285	A	0.4	285	A	0.3	285	A	0.3	285
96	A	0.	53	A	0.	60	A	0.	60	A	0.	53	A	0.	53	A	0.1	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53
97	A	0.	53	A	0.	59	A	0.	59	A	0.	53	A	0.	53	A	0.1	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53
98	A	0.	53	A	0.	59	A	0.	59	A	0.	57	A	0.	57	A	0.	57	A	0.	53	A	0.	53	A	0.	56	A	0.	56	A	0.	56	A	0.	56

Table 22 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			7		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
99	A	0.	53	A	0.	59	A	0.	59	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57
100	A	0.1	95	A	0.1	93	A	0.1	93	A	0.1	93	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95
101	A	0.1	139	A	0.1	126	A	0.1	126	A	0.1	126	A	0.1	139	A	0.1	139	A	0.1	139	A	0.1	139	A	0.1	139	A	0.1	139	A	0.1	139	A	0.1	139
102	A	0.1	121	A	0.1	126	A	0.1	126	A	0.1	126	A	0.1	121	A	0.1	121	A	0.1	121	A	0.1	121	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125
103	A	0.2	186	A	0.2	187	A	0.2	187	A	0.1	276	A	0.1	276	A	0.1	276	A	0.2	276	A	0.2	276	A	0.2	276	A	0.2	276	A	0.2	276	A	0.1	276
104	A	0.2	185	A	0.2	187	A	0.2	187	A	0.1	276	A	0.1	276	A	0.1	276	A	0.2	276	A	0.2	276	A	0.2	276	A	0.2	276	A	0.2	276	A	0.1	276
105	A	0.1	163	A	0.2	159	A	0.2	159	A	0.1	254	A	0.1	254	A	0.1	254	A	0.2	254	A	0.2	254	A	0.2	254	A	0.2	254	A	0.2	254	A	0.1	254
106	A	0.8	222	A	0.6	221	A	0.6	221	A	0.2	333	A	0.2	333	A	0.2	333	A	0.3	333	A	0.3	333	A	0.3	333	A	0.3	333	A	0.3	333	A	0.2	333
107	A	0.9	257	A	0.7	256	A	0.7	256	A	0.4	383	A	0.4	383	A	0.6	383	A	0.9	383	A	0.9	383	A	0.8	383	A	0.7	383	A	0.5	383	A	0.4	383
108	A	0.8	234	A	0.8	232	A	0.8	232	A	0.4	361	A	0.4	361	A	0.5	361	A	0.8	361	A	0.8	361	A	0.7	361	A	0.6	361	A	0.5	361	A	0.4	361
109	A	0.2	178	A	0.2	177	A	0.2	177	C	0.4	88	C	0.4	88	C	0.4	88	A	0.2	287	A	0.2	287	A	0.2	282	A	0.2	282	A	0.1	282	A	0.1	282
110	A	0.6	228	A	0.5	227	A	0.5	227	C	2.2	355	C	2.	355	C	2.8	355	A	0.4	323	A	0.4	323	A	0.4	323	A	0.4	323	A	0.3	323	A	0.3	323
111	A	0.6	228	A	0.4	227	A	0.4	227	C	2.3	358	C	2.	358	C	2.7	358	A	0.4	323	A	0.4	323	A	0.4	323	A	0.4	323	A	0.3	323	A	0.2	323
112	A	0.3	221	A	0.4	219	A	0.4	219	A	0.2	364	A	0.2	364	A	0.3	364	A	0.3	364	A	0.4	364	A	0.3	364	A	0.2	364	A	0.2	364	A	0.2	364
113	A	0.4	249	A	0.5	247	A	0.5	247	A	0.2	409	A	0.2	409	A	0.3	409	A	0.4	409	A	0.5	409	A	0.4	409	A	0.4	409	A	0.3	409	A	0.3	409
114	A	0.7	525	A	0.7	269	A	0.8	269	A	0.3	522	A	0.3	522	A	0.4	522	A	0.5	522	A	0.7	522	A	1.	446	A	0.9	446	A	0.7	446	A	0.8	446
115	A	0.6	524	A	0.7	268	A	0.7	268	A	0.3	522	A	0.3	522	A	0.3	522	A	0.5	522	A	0.6	522	A	1.	446	A	0.9	446	A	0.7	446	A	0.8	446
116	A	1.5	1100	A	1.6	340	A	1.5	340	A	1.	583	A	1.	583	A	1.5	583	A	2.6	583	A	3.1	583	A	3.1	583	A	2.2	583	A	1.7	583	A	2.1	583
117	A	2.1	652	A	1.4	383	A	1.4	383	A	1.4	604	A	1.3	604	A	1.7	604	A	2.4	604	A	3.3	604	A	2.9	604	A	3.3	604	A	2.5	604	A	3.	604
118	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75
119	A	0.6	132	A	0.5	132	A	0.5	132	A	0.3	130	A	0.3	130	A	0.3	130	A	0.1	123	A	0.1	123	A	0.1	123	A	0.1	123	A	0.1	123	A	0.1	123
120	A	0.1	74	A	0.1	74	A	0.1	74	A	0.2	85	A	0.2	85	A	0.2	85	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	76	A	0.	76	A	0.	78
121	A	0.1	65	A	0.1	65	A	0.1	65	A	0.	63	A	0.	63	A	0.1	63	A	0.1	81	A	0.1	81	A	0.1	81	A	0.1	81	A	0.1	81	A	0.1	81
122	A	0.	56	A	0.	56	A	0.	56	A	0.	57	A	0.	57	A	0.	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.	57
123	A	0.2	123	A	0.2	123	A	0.2	123	A	0.2	130	A	0.2	130	A	0.3	130	A	0.1	121	A	0.1	121	A	0.1	121	A	0.1	122	A	0.1	122	A	0.1	122
124	A	0.2	110	A	0.2	110	A	0.2	110	A	0.4	125	A	0.3	125	A	0.5	125	A	0.2	108	A	0.2	108	A	0.2	108	A	0.1	108	A	0.1	108	A	0.1	110
125	A	0.3	113	A	0.3	113	A	0.3	113	C	0.	84	C	0.	84	C	0.	84	A	0.2	105	A	0.2	105	A	0.2	108	A	0.1	110	A	0.1	110	A	0.1	110
126	A	0.2	40	A	0.2	40	A	0.2	40	A	0.	40	A	0.	40	A	0.	40	A	0.1	40	A	0.1	40	A	0.1	40	A	0.1	40	A	0.1	40	A	0.1	40
127	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	78	A	0.	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.	78
128	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	58	A	0.	58	A	0.	60
129	A	0.1	53	A	0.1	53	A	0.1	53	A	0.	53	A	0.	53	A	0.	53	A	0.1	64	A	0.1	64	A	0.1	64	A	0.1	64	A	0.1	64	A	0.1	64
130	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34
131	A	0.1	37	A	0.1	37	A	0.1	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37
132	A	0.1	99	A	0.1	99	A	0.1	99	C	0.	57	C	0.	57	C	0.	57	A	0.3	114	A	0.3	114	A	0.2	115	A	0.2	115	A	0.2	115	A	0.2	115

Table 22 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			7		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
133	A	0.2	119	A	0.2	119	A	0.2	119	C	0.	60	C	0.	60	C	0.	60	A	0.3	136	A	0.4	136	A	0.3	136	A	0.3	136	A	0.2	136	A	0.2	15
134	A	0.2	121	A	0.2	121	A	0.2	121	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	12
135	A	0.2	90	A	0.2	90	A	0.2	90	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.2	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	9
136	A	0.2	76	A	0.2	76	A	0.2	76	A	0.	76	A	0.	76	A	0.	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	7
137	A	0.2	141	A	0.2	141	A	0.2	141	A	0.1	141	A	0.1	141	A	0.1	141	A	0.1	141	A	0.1	141	A	0.1	141	A	0.1	141	A	0.1	141	A	0.1	14
138	A	1.1	259	A	1.	259	A	1.	259	A	0.2	225	A	0.1	225	A	0.2	225	A	0.2	225	A	0.2	225	A	0.2	225	A	0.2	225	A	0.2	225	A	0.2	22
139	A	0.2	158	A	0.2	158	A	0.2	158	A	0.1	159	A	0.1	159	A	0.2	159	A	0.2	159	A	0.2	159	A	0.2	159	A	0.1	159	A	0.1	159	A	0.1	16
140	A	0.3	112	A	0.3	112	A	0.3	112	A	0.1	113	A	0.1	113	A	0.1	113	A	0.2	113	A	0.2	113	A	0.1	117	A	0.1	117	A	0.1	117	A	0.1	11
141	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	99	A	0.2	99	A	0.2	99	A	0.2	99	A	0.1	99	A	0.1	99	A	0.1	9
142	A	0.5	131	A	0.5	131	A	0.5	131	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	12
143	A	0.4	129	A	0.4	129	A	0.4	129	A	0.1	124	A	0.1	124	A	0.1	124	A	0.2	124	A	0.2	124	A	0.2	124	A	0.2	124	A	0.1	124	A	0.1	12
144	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	81	A	0.1	81	A	0.1	81	A	0.1	81	A	0.1	81	A	0.1	81	A	0.1	81	A	0.1	81	A	0.1	8
145	A	0.3	158	A	0.3	158	A	0.3	158	C	0.	92	C	0.	92	C	0.	92	A	0.6	190	A	0.6	190	A	0.4	190	A	0.4	190	A	0.3	190	A	0.3	22
146	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	6
147	A	0.2	120	A	0.2	120	A	0.2	120	C	0.1	105	C	0.	105	C	0.1	105	A	0.4	128	A	0.5	128	A	0.4	128	A	0.3	128	A	0.3	128	A	0.3	14
148	A	0.2	107	A	0.1	107	A	0.1	107	A	0.1	107	A	0.1	107	A	0.1	107	A	0.1	107	A	0.1	107	A	0.1	107	A	0.1	107	A	0.1	107	A	0.1	10
149	A	0.	42	A	0.	42	A	0.	42	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	3
150	A	0.1	65	A	0.1	65	A	0.1	65	A	0.	65	A	0.	65	A	0.	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.	6
151	B	1.1	304	B	1.	304	B	1.1	304	C	0.	51	C	0.	51	C	0.	51	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	7
152	A	0.2	109	A	0.2	109	A	0.2	109	A	0.1	108	A	0.1	108	A	0.1	108	A	0.2	108	A	0.2	108	A	0.1	108	A	0.1	108	A	0.1	108	A	0.1	10
153	A	2.8	519	A	2.6	519	A	2.6	519	A	0.3	247	A	0.2	247	A	0.3	247	A	0.4	247	A	0.5	247	A	0.4	247	A	0.4	247	A	0.3	247	A	0.3	24
154	A	0.2	140	A	0.2	140	A	0.2	140	A	0.3	136	A	0.3	136	A	0.4	136	C	0.7	298	C	0.8	298	C	0.7	296	C	0.7	296	C	0.6	296	C	0.4	29
155	A	0.4	160	A	0.3	160	A	0.3	160	A	0.1	140	A	0.1	140	A	0.1	140	A	0.2	140	A	0.2	140	A	0.2	140	A	0.2	140	A	0.2	140	A	0.1	14
156	A	0.3	148	A	0.3	148	A	0.3	148	A	0.1	132	A	0.1	132	A	0.1	132	A	0.1	132	A	0.1	132	A	0.1	132	A	0.1	132	A	0.1	132	A	0.1	13
157	A	0.1	70	A	0.1	70	A	0.1	70	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	4
158	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	86	A	0.1	86	A	0.1	86	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	7
159	A	0.5	180	A	0.5	180	A	0.5	180	A	5.3	143	A	5.3	143	A	5.3	143	A	0.4	143	A	0.5	143	A	0.4	143	A	0.4	143	A	0.3	143	A	0.3	14
160	A	0.6	132	A	0.5	132	A	0.5	132	A	0.3	190	A	0.2	190	A	0.3	190	C	1.8	343	C	2.	343	C	1.7	343	C	1.3	343	C	1.1	343	C	1.	36
161	A	0.6	154	A	0.6	154	A	0.6	154	A	5.2	120	A	5.1	120	A	5.2	120	A	0.2	120	A	0.3	120	A	0.2	120	A	0.2	120	A	0.2	120	A	0.1	12
162	A	0.4	154	A	0.6	154	A	0.6	154	A	0.3	142	A	0.2	142	A	0.4	142	C	0.8	405	C	0.9	405	C	0.8	405	C	0.8	405	C	0.7	405	C	0.5	42
163	A	0.3	183	A	0.3	183	A	0.3	183	A	0.5	164	A	0.4	164	A	0.5	164	C	0.9	332	C	1.	332	C	0.8	332	C	0.8	332	C	0.7	332	C	0.5	33
164	A	10.2	173	A	10.1	173	A	10.2	173	A	0.3	173	A	0.2	173	A	0.3	173	A	0.4	173	A	0.4	173	A	0.3	173	A	0.4	173	A	0.3	173	A	0.2	17
165	A	0.6	191	A	0.6	191	A	0.6	191	A	0.2	143	A	0.2	143	A	0.3	143	A	0.3	143	A	0.3	143	A	0.3	143	A	0.3	143	A	0.3	143	A	0.3	14
166	A	0.4	146	A	0.3	146	A	0.3	146	A	0.2	158	A	0.2	158	A	0.3	158	C	0.8	344	C	0.9	344	C	0.7	344	C	0.7	344	C	0.6	344	C	0.5	35

Table 22 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			7		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
167	B	8.6	1437	B	9.6	1437	B	9.5	1437	C	1.1	133	C	1.1	133	C	1.4	133	A	0.3	110	A	0.3	110	A	0.2	110	A	0.3	110	A	0.2	110	A	0.2	110
168	A	0.6	154	A	0.5	154	A	0.5	154	C	4.6	210	C	4.4	210	A	5.3	120	A	0.3	120	A	0.4	120	A	0.3	120	A	0.3	120	A	0.3	120	A	0.2	120
169	A	0.9	216	A	0.8	216	A	0.8	216	A	5.4	145	A	5.4	145	A	5.5	145	A	0.6	145	A	0.7	145	A	0.5	145	A	0.5	145	A	0.4	145	A	0.4	145
170	B	12.8	1715	B	15.4	1715	B	15.5	1715	C	1.	133	C	1.	133	C	1.5	133	A	0.4	158	A	0.5	158	A	0.4	158	A	0.5	158	A	0.4	158	A	0.3	158
171	C	10.1	93	C	10.1	93	C	10.1	93	C	0.1	93	C	0.1	93	C	0.1	93	C	0.4	132	C	0.4	132	C	0.2	152	C	0.2	152	C	0.2	152	C	0.1	152
172	C	10.	95	C	10.	95	C	10.	95	C	0.1	95	C	0.1	95	C	0.1	95	C	0.9	217	C	1.	217	C	0.9	216	C	0.9	216	C	0.7	216	C	0.6	216
173	C	10.1	79	C	10.1	79	C	10.1	79	C	0.1	79	C	0.1	79	C	0.1	79	C	0.2	139	C	0.3	139	C	0.2	139	C	0.2	139	C	0.2	139	C	0.2	139
174	C	10.1	111	C	10.1	111	C	10.1	111	C	0.2	111	C	0.1	111	C	0.2	111	C	0.3	168	C	0.3	168	C	0.3	168	C	0.3	168	C	0.2	168	C	0.2	168
175	C	10.1	84	C	10.1	84	C	10.1	84	C	0.1	84	C	0.1	84	C	0.1	84	C	1.4	229	C	1.6	229	C	1.3	229	C	1.2	229	C	0.9	229	C	0.8	229
176	C	10.	77	C	10.	77	C	10.	77	C	0.1	77	C	0.	77	C	0.1	77	C	0.4	202	C	0.4	202	C	0.4	202	C	0.3	202	C	0.3	202	C	0.2	202
177	C	10.1	120	C	10.1	120	C	10.1	120	C	0.1	120	C	0.1	120	C	0.1	120	C	0.4	166	C	0.5	166	C	0.4	166	C	0.4	166	C	0.3	166	C	0.3	166
178	C	11.1	145	C	22.2	189	C	22.2	189	C	0.3	189	C	0.2	189	C	0.4	189	C	0.4	189	C	0.4	189	C	0.4	189	C	0.4	189	C	0.3	189	C	0.3	189
179	C	10.1	182	C	20.1	182	C	20.1	182	C	0.2	182	C	0.2	182	C	0.3	182	C	0.7	241	C	0.8	241	C	0.7	241	C	0.8	241	C	0.6	241	C	0.4	241
180	C	11.1	161	C	21.1	161	C	21.1	161	C	0.2	161	C	0.1	161	C	0.2	161	C	1.5	261	C	2.	261	C	1.4	261	C	1.6	261	C	1.1	261	C	0.9	261
181	C	11.1	110	C	11.2	148	C	11.2	148	C	0.3	148	C	0.2	148	C	0.3	148	C	0.4	148	C	0.4	148	C	0.2	166	C	0.3	156	C	0.2	156	C	0.2	156
182	C	11.1	111	C	11.1	165	C	11.1	165	C	0.2	165	C	0.2	165	C	0.2	165	C	0.3	165	C	0.3	165	C	0.3	165	C	0.3	165	C	0.2	165	C	0.2	165
183	C	11.1	133	C	11.1	133	C	11.1	133	C	0.1	133	C	0.1	133	C	0.2	133	C	1.1	276	C	1.3	276	C	1.1	276	C	1.	276	C	0.6	276	C	0.5	276
184	C	11.1	119	C	11.1	119	C	11.1	119	C	0.1	119	C	0.1	119	C	0.2	119	C	0.8	244	C	0.9	244	C	1.	258	C	0.9	258	C	0.6	258	C	0.5	258
185	C	11.1	116	C	11.1	174	C	11.1	174	C	0.2	174	C	0.1	174	C	0.2	174	C	0.2	174	C	0.3	174	C	0.2	174	C	0.2	174	C	0.2	174	C	0.2	174
186	C	11.1	153	C	11.1	153	C	11.1	153	C	0.2	153	C	0.2	153	C	0.2	153	C	1.3	298	C	1.5	298	C	1.4	296	C	1.4	296	C	0.8	296	C	0.7	296
187	C	11.	69	C	11.	69	C	11.	69	C	0.	69	C	0.	69	C	0.3	164	C	0.3	164	C	0.1	69	C	0.1	69	C	0.1	69	C	0.1	69	C	0.1	69
188	C	11.	67	C	11.	67	C	11.	67	C	0.	67	C	0.	67	C	0.3	162	C	0.3	162	C	0.1	67	C	0.	67	C	0.1	67	C	0.1	67	C	0.1	67
189	C	11.2	155	C	11.2	155	C	11.2	155	C	0.2	155	C	0.2	155	C	0.9	427	C	1.3	427	C	0.4	155	C	0.3	155	C	0.3	155	C	0.8	325	C	1.1	325
190	C	11.1	153	C	11.1	153	C	11.1	153	C	0.2	153	C	0.2	153	C	0.9	425	C	1.3	425	C	0.3	153	C	0.3	154	C	0.3	154	C	0.3	159	C	0.3	159
191	C	11.1	147	C	11.1	147	C	11.1	147	C	0.1	147	C	0.1	147	C	0.4	423	C	0.6	423	C	0.2	147	C	0.2	147	C	0.2	147	C	0.2	158	C	0.2	158
192	C	11.	70	C	11.	70	C	11.	70	C	0.	70	C	0.	70	C	0.2	165	C	0.3	165	C	0.1	70	C	0.1	70	C	0.1	69	C	0.2	159	C	0.1	159
193	C	11.	68	C	11.	68	C	11.	68	C	0.	68	C	0.	68	C	0.2	163	C	0.3	163	C	0.1	68	C	0.1	68	C	0.1	67	C	0.1	71	C	0.	71
194	C	11.2	188	C	11.2	188	C	11.2	188	C	0.2	188	C	0.2	188	C	1.1	383	C	1.5	383	C	0.4	188	C	0.4	190	C	0.4	190	C	1.	377	C	0.8	377
195	C	11.1	148	C	11.1	148	C	11.1	148	C	0.1	148	C	0.1	148	C	0.6	424	C	0.7	424	C	0.3	148	C	0.2	148	C	0.2	148	C	0.4	312	C	0.4	312
196	C	11.1	133	C	11.1	133	C	11.1	133	C	0.1	133	C	0.1	133	C	0.3	327	C	0.4	327	C	0.2	133	C	0.1	133	C	0.1	133	C	0.2	296	C	0.2	296
197	C	11.1	163	C	11.1	163	C	11.1	163	C	0.1	163	C	0.1	163	C	0.2	318	C	0.3	318	C	0.2	163	C	0.2	163	C	0.2	163	C	0.2	171	C	0.2	171
198	C	11.2	233	C	11.2	233	C	11.2	233	C	0.3	233	C	0.3	233	C	0.6	392	C	0.8	392	C	0.5	233	C	0.4	233	C	0.4	233	C	0.4	244	C	0.4	244
199	C	11.1	187	C	11.2	187	C	11.2	187	C	0.2	187	C	0.2	187	C	0.7	428	C	0.9	428	C	0.3	187	C	0.3	187	C	0.3	187	C	0.3	192	C	0.2	192
200	C	11.2	234	C	11.2	234	C	11.2	234	C	0.3	234	C	0.3	234	C	0.9	390	C	1.3	390	C	0.5	234	C	0.4	234	C	0.5	234	C	0.4	237	C	0.3	237

Table 22 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			7		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
201	C	11.2	189	C	11.2	189	C	11.2	189	C	0.2	189	C	0.2	189	C	0.6	432	C	0.9	432	C	0.4	189	C	0.3	189	C	0.3	189	C	0.8	365	C	0.7	365
202	C	11.3	252	C	11.3	252	C	11.3	252	C	0.4	252	C	0.4	252	C	0.9	520	C	1.3	520	C	0.7	252	C	0.6	252	C	0.6	252	C	0.6	265	C	0.6	265
203	A	0.1	92	A	0.4	92	A	0.4	92	A	0.2	129	A	0.2	129	A	0.2	129	C	0.5	238	C	0.1	93	C	0.1	93	C	0.1	93	A	0.3	144	A	0.2	155
204	A	2.3	231	A	2.9	231	A	2.9	231	A	0.6	231	A	0.6	231	A	0.7	231	A	0.2	224	A	0.3	224	A	0.2	220	A	0.2	220	A	0.2	220	A	0.1	222
205	C	1.6	206	C	2.2	206	C	2.2	206	C	0.3	206	C	0.3	206	C	0.3	206	C	0.5	206	C	0.5	206	C	0.4	206	C	0.5	206	C	0.4	206	C	0.3	206
206	A	2.9	271	A	3.8	271	A	3.8	271	A	1.2	271	A	1.2	271	A	1.3	271	A	0.3	274	A	0.3	274	A	0.3	274	A	0.3	274	A	0.2	274	A	0.2	274
207	A	0.4	137	A	1.6	137	A	1.6	137	A	0.5	164	A	0.5	164	A	0.6	164	A	0.1	152	A	0.1	152	A	0.1	152	A	0.1	152	A	0.1	152	A	0.1	152
208	C	3.3	379	C	4.1	379	C	4.1	379	C	1.8	379	C	1.7	379	C	1.9	379	C	2.9	379	C	3.3	379	C	2.6	382	C	2.7	382	C	2.1	382	C	1.7	382
209	C	2.3	261	C	3.1	261	C	3.1	261	C	0.5	261	C	0.5	261	C	0.5	261	C	0.8	261	C	0.8	261	C	0.7	261	C	0.7	261	C	0.6	261	C	0.5	261
210	A	0.4	92	A	0.5	92	A	0.5	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.2	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92
211	A	0.4	90	A	0.8	88	A	0.8	88	A	0.2	123	A	0.2	123	A	0.2	123	A	0.1	103	A	0.1	103	A	0.1	103	A	0.1	103	A	0.1	103	A	0.1	103
212	A	0.7	127	A	1.8	153	A	1.8	153	A	0.3	185	A	0.3	185	A	0.4	185	A	0.2	129	A	0.2	129	A	0.2	129	A	0.2	129	A	0.2	129	A	0.1	129
213	A	0.4	83	A	1.7	83	A	1.8	83	A	0.	83	A	0.	83	A	0.	83	A	0.1	83	A	0.1	83	A	0.1	83	A	0.1	83	A	0.1	83	A	0.1	83
214	A	0.4	37	A	0.3	37	A	0.3	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37
215	B	0.4	50	B	0.3	50	B	0.3	50	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.1	37	B	0.	37	B	0.1	37	B	0.	37	B	0.	37
216	A	0.1	82	A	0.1	82	A	0.1	82	A	0.	67	A	0.	67	A	0.1	67	A	0.1	84	A	0.1	84	A	0.1	84	A	0.1	84	A	0.1	84	A	0.	84
217	C	9.3	118	C	4.1	118	C	4.	118	C	0.1	118	C	0.1	118	C	0.1	118	C	0.2	118	C	0.	26	C	0.	26	C	0.	26	C	0.	26	C	0.	26
218	A	0.2	112	A	0.2	112	A	0.2	112	A	0.1	97	A	0.1	97	A	0.1	97	C	0.1	70	C	0.1	70	C	0.1	70	C	0.1	70	C	0.1	70	C	0.1	70
219	A	0.3	184	A	0.3	184	A	0.3	184	A	0.1	148	A	0.1	148	A	0.2	148	C	0.3	205	C	0.2	91	C	0.2	91	C	0.1	111	C	0.1	111	C	0.1	111
220	C	10.1	157	C	10.1	157	C	10.1	157	C	0.1	157	C	0.1	157	C	0.2	231	C	0.3	231	C	0.1	74	C	0.1	74	C	0.1	84	C	0.1	84	C	0.1	206
221	A	0.2	110	A	0.2	110	A	0.2	110	C	0.	46	C	0.	46	C	0.	46	C	0.1	76	C	0.1	76	C	0.1	76	C	0.1	76	C	0.1	76	C	0.1	76
222	A	0.3	155	A	0.3	155	A	0.3	155	C	0.1	102	C	0.1	102	C	0.1	102	C	0.5	263	C	0.1	102	C	0.1	113	C	0.1	113	C	0.1	113	C	0.1	113
223	C	11.1	184	C	5.8	184	C	5.7	184	C	0.1	184	C	0.1	184	C	0.3	273	C	0.3	273	C	0.1	86	C	0.1	86	C	0.1	86	C	0.1	86	C	0.1	86
224	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	C	0.	34	C	0.	34	C	0.	34	C	0.	34	C	0.	34	F	0	0
225	C	11.1	177	C	5.6	177	C	5.5	177	C	0.2	177	C	0.2	177	C	0.4	257	C	0.5	257	C	0.1	97	C	0.1	97	C	0.1	97	C	0.1	97	C	0.1	97
226	A	1.9	112	A	1.8	112	A	1.8	112	C	0.1	39	C	0.	39	C	0.2	150	C	0.2	150	C	0.1	39	C	0.1	39	C	0.1	39	C	0.1	39	C	0.1	39
227	C	11.	37	C	11.	37	C	11.	37	C	0.1	37	C	0.	37	C	0.2	140	C	0.2	140	C	0.1	37	C	0.1	37	C	0.1	37	C	0.1	37	C	0.1	37
228	A	1.7	54	A	1.6	54	A	1.5	54	C	0.	52	C	0.	52	C	0.2	134	C	0.2	134	C	0.1	52	C	0.1	52	C	0.1	52	C	0.1	52	C	0.1	52
229	A	0.3	86	A	0.1	86	A	0.1	86	A	0.1	86	A	0.1	86	B	0.3	176	B	0.4	176	A	0.1	86	A	0.1	86	A	0.1	84	A	0.1	84	A	0.1	84
230	A	0.3	86	A	0.1	86	A	0.1	86	A	0.1	86	A	0.	86	B	0.3	174	B	0.4	174	A	0.1	86	A	0.1	86	A	0.1	84	A	0.1	84	A	0.	84
231	A	0.3	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	B	0.3	225	B	0.4	225	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95
232	A	0.1	69	A	0.1	69	A	0.1	69	A	0.	69	A	0.	69	A	0.	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69
233	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42
234	A	0.2	124	A	0.2	124	A	0.2	124	C	0.	68	C	0.	68	C	0.	68	A	0.3	146	A	0.3	146	A	0.3	146	A	0.3	146	A	0.2	146	A	0.2	146

Table 22 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			7		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
235	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110
236	A	0.	66	A	0.	66	A	0.	66	A	0.	66	A	0.	66	A	0.	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.	66
237	A	0.1	81	A	0.1	81	A	0.1	81	A	0.1	81	A	0.1	81	A	0.1	81	A	0.2	109	A	0.2	109	A	0.2	109	A	0.1	109	A	0.1	109	A	0.1	111
238	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	105	A	0.2	128	A	0.2	128	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	141
239	A	0.	56	A	0.	56	A	0.	56	A	0.1	56	A	0.	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.	56
240	A	0.1	101	A	0.2	101	A	0.1	101	A	0.1	107	A	0.1	107	A	0.1	107	A	0.2	129	A	0.2	129	A	0.2	129	A	0.1	129	A	0.1	129	A	0.1	141
241	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.	57
242	A	0.1	71	A	0.1	71	A	0.1	71	A	0.	71	A	0.	71	A	0.	71	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	101
243	A	0.8	106	A	0.3	106	A	0.2	106	A	0.2	106	A	0.2	106	B	0.6	255	B	0.8	255	A	0.4	106	A	0.3	106	A	0.3	106	A	0.2	106	A	0.2	111
244	A	1.2	111	A	0.3	111	A	0.3	111	A	0.1	111	A	0.1	111	B	0.5	260	B	0.7	260	A	0.2	111	A	0.2	111	A	0.1	111	A	0.1	111	A	0.1	111
245	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	37	A	0.	37
246	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	33	A	0.	33
247	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29
248	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	33	A	0.	33
249	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53
250	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	55	A	0.	55	A	0.	55	A	0.	55
251	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50
252	A	0.	117	A	0.	117	A	0.	117	A	0.	117	A	0.	117	A	0.1	117	A	0.	117	A	0.	117	A	0.	117	A	0.	117	A	0.	117	A	0.	117
253	A	0.	117	A	0.	117	A	0.	117	A	0.	117	A	0.	117	A	0.	117	A	0.	117	A	0.	117	A	0.	117	A	0.	117	A	0.	117	A	0.	117
254	A	0.	113	A	0.	113	A	0.	113	A	0.	113	A	0.	113	A	0.	113	A	0.1	113	A	0.1	113	A	0.1	113	A	0.	113	A	0.	113	A	0.	113
255	A	0.	115	A	0.	115	A	0.	115	A	0.	115	A	0.	115	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	115	A	0.	115	A	0.	115	A	0.	115
256	A	0.	106	A	0.	106	A	0.	106	A	0.1	106	A	0.	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.	106
257	A	0.	118	A	0.	118	A	0.	118	A	0.	118	A	0.	118	A	0.1	118	A	0.1	118	A	0.1	118	A	0.1	118	A	0.1	118	A	0.1	118	A	0.	118
258	A	0.	117	A	0.	117	A	0.	117	A	0.	117	A	0.	117	A	0.1	117	A	0.1	117	A	0.1	117	A	0.1	117	A	0.	117	A	0.	117	A	0.	117
259	A	0.	117	A	0.	117	A	0.	117	A	0.1	117	A	0.	117	A	0.1	117	A	0.1	117	A	0.1	117	A	0.1	117	A	0.1	117	A	0.	117	A	0.1	117
260	A	0.1	154	A	0.1	154	A	0.1	154	A	0.2	154	A	0.1	154	A	0.2	154	A	0.2	154	A	0.2	154	A	0.2	154	A	0.2	154	A	0.1	154	A	0.1	154
261	A	0.1	154	A	0.1	154	A	0.1	154	A	0.1	154	A	0.1	154	A	0.1	154	A	0.2	154	A	0.2	154	A	0.2	154	A	0.2	154	A	0.1	154	A	0.1	154
262	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.	50	A	0.	50
263	A	0.1	146	A	0.1	146	A	0.1	146	A	0.1	146	A	0.1	146	A	0.1	146	A	0.2	146	A	0.2	146	A	0.1	146	A	0.1	146	A	0.1	146	A	0.1	146
264	A	0.	87	A	0.	87	A	0.	87	A	0.1	87	A	0.1	87	A	0.1	87	A	0.1	87	A	0.1	87	A	0.1	87	A	0.1	87	A	0.1	87	A	0.1	87
265	A	0.1	216	A	0.1	216	A	0.1	216	A	0.2	216	A	0.2	216	A	0.2	216	A	0.3	216	A	0.3	216	A	0.3	216	A	0.3	216	A	0.2	216	A	0.2	216
266	A	0.1	210	A	0.1	210	A	0.1	210	A	0.2	210	A	0.2	210	A	0.2	210	A	0.3	210	A	0.4	210	A	0.3	210	A	0.2	210	A	0.2	210	A	0.2	210
267	A	0.1	188	A	0.1	188	A	0.1	188	A	0.2	188	A	0.2	188	A	0.2	188	A	0.3	188	A	0.3	188	A	0.3	188	A	0.2	188	A	0.2	188	A	0.2	188
268	A	0.1	181	A	0.1	181	A	0.1	181	A	0.2	181	A	0.2	181	A	0.2	181	A	0.3	181	A	0.3	181	A	0.3	181	A	0.2	181	A	0.2	181	A	0.2	181

Table 22 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			7		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
269	A	0.1	178	A	0.1	178	A	0.1	178	A	0.1	178	A	0.1	178	A	0.2	178	A	0.2	178	A	0.3	178	A	0.2	178	A	0.2	178	A	0.2	178	A	0.2	178
270	A	0.1	214	A	0.1	214	A	0.1	214	A	0.2	214	A	0.2	214	A	0.2	214	A	0.3	214	A	0.4	214	A	0.3	214	A	0.3	214	A	0.2	214	A	0.2	214
271	A	0.1	224	A	0.1	224	A	0.1	224	A	0.1	224	A	0.1	224	A	0.1	224	A	0.2	224	A	0.2	224	A	0.2	224	A	0.1	224	A	0.1	224	A	0.1	224
272	A	0.4	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65
273	A	0.	53	A	0.	59	A	0.	59	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53
274	A	0.	57	A	0.	59	A	0.	59	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57
275	A	0.	85	A	0.	91	A	0.1	91	A	0.1	85	A	0.	85	A	0.1	85	A	0.	85	A	0.	85	A	0.	85	A	0.	85	A	0.	85	A	0.	85
276	A	0.2	93	A	0.1	92	A	0.2	92	A	0.2	93	A	0.2	93	A	0.2	93	A	0.3	179	A	0.4	179	A	0.3	179	A	0.3	179	A	0.2	179	A	0.2	179
277	A	0.7	310	A	0.7	209	A	0.7	209	C	0.1	96	C	0.1	96	C	0.1	96	A	0.6	308	A	0.6	308	A	0.5	308	A	0.5	308	A	0.4	308	A	0.4	308
278	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75
279	A	0.	56	A	0.	56	A	0.	56	A	0.	57	A	0.	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.	57	A	0.	57	A	0.	57
280	C	4.6	75	C	3.9	75	C	3.9	75	C	0.1	75	C	0.1	75	C	0.1	75	C	0.8	182	C	1.3	182	C	0.9	183	C	0.9	183	C	0.7	183	C	0.6	183
281	C	5.5	81	C	4.5	81	C	4.4	81	C	0.1	81	C	0.1	81	C	0.1	81	C	0.8	175	C	0.8	175	C	0.7	175	C	0.7	175	C	0.6	175	C	0.5	175
282	C	5.	81	C	4.4	81	C	4.3	81	C	0.1	81	C	0.1	81	C	0.1	81	C	0.2	236	C	0.3	236	C	0.2	236	C	0.2	236	C	0.2	236	C	0.2	236
283	C	9.1	80	C	8.2	80	C	8.	80	C	0.1	80	C	0.1	80	C	0.1	80	C	0.4	249	C	0.5	249	C	0.4	249	C	0.4	249	C	0.3	249	C	0.3	249
284	C	10.1	80	C	10.1	80	C	10.1	80	C	0.1	80	C	0.1	80	C	0.1	80	C	0.5	272	C	0.5	272	C	0.4	272	C	0.5	272	C	0.4	272	C	0.3	272
285	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.1	34	A	0.1	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34
286	A	0.1	81	A	0.1	81	A	0.1	81	A	0.1	80	A	0.1	80	A	0.1	80	A	0.4	82	A	0.3	82	A	0.3	82	A	0.3	82	A	0.2	82	A	0.2	82
287	C	10.1	82	C	10.1	82	C	10.1	82	C	0.1	82	C	0.1	82	C	0.1	82	C	1.3	209	C	1.6	209	C	1.3	209	C	1.2	209	C	1.	209	C	0.8	209
288	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.	78
289	A	0.1	58	A	0.1	58	A	0.1	58	A	0.	57	A	0.	57	A	0.1	57	A	0.2	64	A	0.3	64	A	0.2	64	A	0.2	64	A	0.2	64	A	0.1	64
290	C	10.1	89	C	10.1	89	C	10.1	89	C	0.1	89	C	0.1	89	C	0.1	89	C	0.5	189	C	0.6	189	C	0.5	189	C	0.4	189	C	0.4	189	C	0.3	189
291	C	10.1	91	C	10.1	91	C	10.1	91	C	0.1	91	C	0.1	91	C	0.1	91	C	0.5	243	C	0.5	243	C	0.4	246	C	0.4	246	C	0.3	246	C	0.3	246
292	C	10.	78	C	10.	78	C	10.	78	C	0.	78	C	0.	78	C	0.	78	C	0.6	269	C	0.7	269	C	0.5	272	C	0.5	272	C	0.4	272	C	0.3	272
293	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.	77
294	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.	55	A	0.	55
295	C	10.	78	C	10.	78	C	10.	78	C	0.1	78	C	0.1	78	C	0.1	78	C	0.5	182	C	0.5	182	C	0.4	182	C	0.4	182	C	0.4	182	C	0.3	182
296	C	10.	72	C	10.	72	C	10.	72	C	0.	72	C	0.	72	C	0.	72	C	0.5	266	C	0.5	266	C	0.7	264	C	0.7	264	C	0.6	264	C	0.5	264
297	A	0.1	56	A	0.	56	A	0.	56	A	0.	54	A	0.	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.	54
298	A	0.1	99	A	0.1	99	A	0.1	99	C	0.	57	C	0.	57	C	0.	57	A	0.3	108	A	0.3	108	A	0.2	118	A	0.2	118	A	0.2	118	A	0.2	118
299	C	9.8	83	C	10.	83	C	10.	83	C	0.	83	C	0.	83	C	0.1	83	C	0.9	293	C	1.	293	C	0.6	290	C	0.7	290	C	0.5	290	C	0.4	290
300	A	0.3	107	A	0.3	107	A	0.3	107	A	0.1	107	A	0.1	107	A	0.2	107	C	1.	407	C	0.2	138	C	0.2	138	C	0.2	138	C	0.2	138	C	0.2	138
301	B	15.1	161	B	10.1	161	B	10.1	161	B	0.2	161	B	0.2	161	B	0.2	161	B	0.3	161	A	0.1	60	A	0.	60	A	0.	59	A	0.1	59	A	0.1	59
302	A	10.	67	A	10.	67	A	10.	67	A	0.	67	A	0.	67	B	0.2	167	B	0.2	167	A	0.1	67	A	0.	67	A	0.	66	A	0.1	66	C	2.1	51



Table 22 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			7		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
303	A	0.5	111	A	0.2	111	A	0.2	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.2	149	A	0.2	149	A	0.2	157	A	0.2	157	A	0.2	157	A	0.1	157
304	A	0.4	110	A	0.2	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110
305	A	0.4	110	A	0.2	110	A	0.2	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110
306	A	0.6	90	A	0.9	88	A	1.	88	A	0.2	123	A	0.2	123	A	0.2	123	A	0.1	103	A	0.1	103	A	0.1	103	A	0.1	103	A	0.1	103	A	0.1	103
307	B	9.6	365	B	2.6	365	B	2.6	365	B	0.5	365	B	0.5	365	B	0.7	357	B	1.1	357	B	0.3	188	B	0.3	188	B	0.2	188	B	0.2	188	B	0.2	188
308	C	10.	93	C	10.1	93	C	10.	93	C	0.1	93	C	0.1	93	C	0.1	93	C	0.8	209	C	0.9	209	C	0.8	209	C	0.7	209	C	0.6	209	C	0.5	209
309	A	1.	127	A	0.4	127	A	0.4	127	A	0.2	150	A	0.2	150	A	0.2	150	A	0.3	137	A	0.3	137	A	0.3	137	A	0.2	137	A	0.2	137	A	0.2	137
310	C	10.1	80	C	10.1	80	C	10.1	80	C	0.1	80	C	0.1	80	C	0.1	80	C	3.6	263	C	4.	263	C	3.3	263	C	3.1	263	C	2.4	263	C	2.	263
311	A	1.1	66	A	0.3	66	A	0.3	66	A	0.	65	A	0.	65	A	0.1	65	A	0.1	65	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68
312	A	1.3	93	A	0.6	93	A	0.6	93	A	0.2	109	A	0.2	109	A	0.2	109	A	0.2	91	A	0.2	91	A	0.2	91	A	0.2	91	A	0.1	91	A	0.1	91
313	C	10.1	77	C	10.1	77	C	10.1	77	C	0.1	77	C	0.1	77	C	0.1	77	C	3.6	266	C	4.7	266	C	3.1	266	C	0.6	266	C	0.5	266	C	0.4	266
314	A	1.1	81	A	0.5	81	A	0.5	81	A	0.1	93	A	0.1	93	A	0.1	93	A	0.1	80	A	0.1	83	A	0.1	83	A	0.1	83	A	0.1	83	A	0.1	83
315	C	10.	85	C	10.	85	C	10.	85	C	0.1	85	C	0.	85	C	0.	85	A	4.3	401	A	4.8	401	C	3.6	411	C	4.9	405	C	2.9	411	C	2.6	411
316	A	0.1	145	A	0.1	145	A	0.1	145	A	0.1	113	A	0.1	113	A	0.1	113	C	0.1	74	C	0.1	74	C	0.1	74	C	0.1	74	C	0.1	74	C	0.1	74
317	A	0.1	127	A	0.1	127	A	0.1	127	A	0.1	96	A	0.1	96	A	0.1	96	C	0.	61	C	0.1	61	C	0.	61	C	0.	61	C	0.	61	C	0.	61
318	A	0.4	220	A	0.4	220	A	0.4	220	C	0.1	144	C	0.1	144	C	0.3	233	C	0.4	233	C	0.1	76	C	0.1	76	C	0.1	76	C	0.1	76	C	0.1	76
319	A	0.3	141	A	0.2	141	A	0.3	141	C	0.4	82	C	0.4	82	C	0.7	82	A	0.1	120	C	0.	53	C	0.	53	C	0.	53	C	0.	53	C	0.	53
320	B	11.	76	B	11.	76	B	11.	76	B	0.1	76	B	0.1	76	B	0.3	234	B	0.5	234	B	0.1	76	B	0.1	76	B	0.1	76	B	0.1	76	A	0.1	266
321	A	0.1	126	A	0.1	126	A	0.1	126	A	0.	118	A	0.	118	A	0.1	118	C	0.	59	C	0.	59	C	0.	59	C	0.	59	C	0.	59	C	0.	59
322	B	16.1	120	B	11.1	120	B	11.1	120	B	0.1	120	B	0.1	120	B	0.2	120	B	0.2	120	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43
323	A	0.	82	A	0.	82	A	0.	82	A	0.1	92	A	0.	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92
324	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.1	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54
325	A	0.2	193	A	0.1	193	A	0.2	193	A	0.3	193	A	0.2	193	A	0.4	193	A	0.5	193	A	0.5	193	A	0.5	193	A	0.4	193	A	0.3	193	A	0.2	193
326	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.3	88	A	0.4	88	A	0.3	90	A	0.2	90	A	0.2	90	A	0.2	90
327	A	0.9	142	A	0.8	142	A	0.7	142	A	0.2	114	A	0.2	114	A	0.2	114	A	0.2	114	A	0.3	114	A	0.2	114	A	0.2	114	A	0.2	114	A	0.2	114
328	A	0.1	81	A	0.1	81	A	0.1	81	A	0.	81	A	0.	81	A	0.	81	C	0.3	162	C	0.1	62	C	0.	62	C	0.	62	C	0.6	281	C	0.5	290
329	C	10.1	141	C	10.1	141	C	10.1	141	C	0.1	141	C	0.1	141	C	0.7	428	C	1.	428	C	0.2	141	C	0.2	141	C	0.2	141	C	0.5	302	C	0.4	302
330	A	0.2	91	A	0.2	91	A	0.2	91	A	0.2	91	A	0.2	91	A	0.2	91	A	0.3	91	A	0.3	91	A	0.2	93	A	0.2	93	A	0.2	93	A	0.1	93
331	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74
332	A	0.5	108	A	0.3	108	A	0.3	108	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90
333	A	0.6	100	A	0.4	100	A	0.3	100	C	3.7	179	C	3.6	179	C	5.1	179	A	1.3	129	A	0.6	113	A	0.4	113	A	0.3	136	A	0.3	136	A	0.2	136
334	A	0.9	112	A	0.7	112	A	0.7	112	A	0.5	124	A	0.5	124	A	0.6	124	A	0.2	90	A	0.2	90	A	0.2	90	A	0.1	90	A	0.1	90	A	0.1	90
335	A	1.1	157	A	0.9	157	A	0.9	157	A	5.5	155	A	5.5	155	A	6.7	172	A	2.	172	A	0.8	155	A	0.7	155	A	0.7	155	A	0.5	161	A	0.4	193
336	A	8.8	164	A	8.7	164	A	8.8	164	A	0.2	164	A	0.1	164	A	0.2	164	A	0.2	164	A	0.2	164	A	0.2	164	A	0.2	164	A	0.2	164	A	0.1	164

Table 22 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			7		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
337	A	1.4	69	A	1.2	69	A	1.3	69	A	0.	69	A	0.	69	A	0.	69	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67
338	A	10.1	65	A	10.	65	A	10.	65	A	0.	65	A	0.	65	B	0.2	165	B	0.3	165	A	0.1	65	A	0.1	65	A	0.1	64	A	0.1	64	A	0.1	64
339	B	10.1	141	B	10.1	141	B	10.1	141	B	0.1	141	B	0.1	141	B	0.7	345	B	1.	345	B	0.2	141	B	0.2	141	B	0.2	141	B	0.2	141	B	0.1	141
340	B	10.2	184	B	10.1	184	B	10.1	184	B	0.2	184	B	0.2	184	B	0.7	391	B	1.	391	B	0.4	184	B	0.3	187	B	0.3	187	B	0.3	187	B	0.2	184
341	A	0.2	86	A	0.2	86	A	0.2	86	A	0.1	85	A	0.1	85	A	0.1	85	A	0.2	84	A	0.2	84	A	0.2	84	A	0.1	84	A	0.1	84	A	0.1	84
342	A	2.2	153	A	2.	153	A	2.	153	A	0.2	135	A	0.2	135	A	0.2	135	A	0.3	135	A	0.4	135	A	0.3	135	A	0.3	135	A	0.3	135	A	0.2	135
343	B	15.3	239	B	10.2	239	B	10.2	239	B	0.4	239	B	0.3	239	B	0.5	331	B	0.7	331	B	0.2	159	B	0.2	159	B	0.2	159	B	0.2	159	B	0.2	159
344	B	10.1	169	B	10.1	169	B	10.1	169	B	0.2	169	B	0.2	169	B	0.5	342	B	0.7	342	B	0.3	169	B	0.3	171	B	0.3	171	B	0.3	171	B	0.3	171
345	B	10.1	168	B	10.1	168	B	10.1	168	B	0.2	168	B	0.2	168	B	0.4	342	B	0.5	342	B	0.3	168	B	0.3	169	B	0.2	169	B	0.2	169	B	0.2	169
346	B	10.1	172	B	10.1	172	B	10.1	172	B	0.2	172	B	0.2	172	B	0.6	343	B	0.9	343	B	0.3	172	B	0.2	173	B	0.2	173	B	0.2	173	B	0.2	173
347	B	10.2	225	B	10.2	225	B	10.2	225	B	0.3	225	B	0.3	225	B	0.8	399	B	1.1	399	B	0.5	225	B	0.4	225	B	0.4	225	B	0.3	225	B	0.3	225
348	B	10.4	409	B	10.3	409	B	10.3	409	B	0.6	409	B	0.6	409	B	0.9	399	B	1.2	399	B	0.5	226	B	0.4	226	B	0.4	226	B	0.3	226	B	0.3	226
349	A	0.5	109	A	0.3	109	A	0.3	109	A	0.1	151	A	0.1	151	A	0.2	151	C	1.	410	C	0.3	141	C	0.2	141	C	0.2	141	C	0.6	245	C	0.5	245
350	C	10.1	65	C	10.	65	C	10.	65	C	0.	65	C	0.	65	C	0.2	165	C	0.3	165	C	0.1	65	C	0.1	65	C	0.1	64	C	0.1	64	C	0.1	64
351	B	15.2	161	B	10.1	161	B	10.1	161	B	0.2	161	B	0.2	161	B	0.2	161	B	0.3	161	A	0.1	60	A	0.	60	A	0.	59	A	0.1	59	A	0.	59
352	B	10.3	141	B	10.1	141	B	10.1	141	B	0.1	141	B	0.1	141	B	0.6	345	B	0.9	345	B	0.2	141	B	0.2	141	B	0.2	141	B	0.2	141	B	0.2	141
353	A	1.8	157	A	1.4	157	A	1.4	157	C	1.8	869	C	1.6	869	C	4.3	869	A	2.1	172	A	0.9	155	A	0.8	155	A	0.7	155	A	0.5	161	A	0.4	191
354	C	10.5	169	C	10.1	169	C	10.1	169	C	0.2	169	C	0.2	169	C	0.6	343	C	0.9	343	C	0.3	169	C	0.3	170	C	0.3	170	C	0.3	170	C	0.2	170
355	C	10.4	159	C	10.1	159	C	10.1	159	C	0.1	159	C	0.1	159	C	0.3	333	C	0.5	333	C	0.2	159	C	0.2	159	C	0.2	159	C	0.2	159	C	0.2	159
356	A	0.6	60	B	1.1	264	B	1.1	264	A	0.	72	A	0.	72	A	0.	72	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49
357	A	0.6	46	A	10.	41	A	10.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46
358	A	0.6	58	B	1.	265	B	1.	265	A	0.	55	A	0.	55	A	0.	55	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59
359	A	0.8	36	B	1.9	407	B	1.9	407	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36
360	A	0.3	72	A	0.	72	A	0.	72	A	0.	72	A	0.	72	A	0.	72	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70
361	A	0.2	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.	50
362	B	0.	182	B	0.	182	B	0.	182	B	0.	182	B	0.	182	B	0.	182	B	0.	182	B	0.	182	B	0.	182	B	0.	182	B	0.	182	B	0.	182
363	B	0.	186	B	0.	186	B	0.	186	B	0.	186	B	0.	186	B	0.	186	B	0.	186	B	0.	186	B	0.	186	B	0.	186	B	0.	186	B	0.	186
364	A	0.	19	A	0.	19	A	0.	19	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15
365	A	0.1	46	A	0.1	46	A	0.	46	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44
366	A	1.1	126	A	10.3	142	A	10.3	142	A	0.5	142	A	0.5	142	A	0.5	142	A	0.2	134	A	0.2	134	A	0.2	134	A	0.2	134	A	0.1	134	A	0.1	142
367	A	0.7	185	A	0.5	185	A	0.5	185	A	0.5	185	A	0.5	185	A	0.5	185	A	0.4	132	A	0.5	132	A	0.4	132	A	0.3	132	A	0.3	132	A	0.3	132
368	C	0.4	101	C	0.1	101	C	0.1	101	C	0.1	101	C	0.1	101	C	0.1	101	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26

## 2.21 1\_Algebraic\_functions\1.1Binomialproducts\1.1.3General\1.1.3.5(a+bx^n)^p(c+dx^n)^q(e+fx^n)^r

Table 23: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 172	A 0.1 172	A 0.1 172	A 0.1 172	A 0.1 172	A 0.1 172	A 0.2 172	A 0.2 172	A 0.1 172	A 0.1 172	A 0.1 172	A 0.1 172
2	A 0.1 130	A 0. 130	A 0. 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130
3	A 0.1 171	A 0.1 171	A 0.1 171	A 0.1 171	A 0.1 171	A 0.1 171	A 0.2 171	A 0.2 171	A 0.2 171	A 0.2 171	A 0.1 171	A 0.1 171
4	A 0.1 183	A 0.1 183	A 0.1 183	A 0.1 183	A 0.1 183	A 0.2 183	A 0.2 183	A 0.2 183	A 0.2 183	A 0.2 183	A 0.2 183	A 0.1 183
5	A 0.1 242	A 0.1 242	A 0.1 242	A 0.2 242	A 0.2 242	A 0.2 242	A 0.3 242	A 0.3 242	A 0.3 242	A 0.2 242	A 0.2 242	A 0.2 242
6	A 0.1 310	A 0.1 310	A 0.1 310	A 0.1 310	A 0.1 310	A 0.2 310	A 0.2 310	A 0.2 310	A 0.2 310	A 0.1 310	A 0.1 310	A 0.1 310
7	A 0. 130	A 0. 130	A 0. 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130
8	C 1.9 212	C 1.4 212	C 1.4 212	C 0.4 212	C 0.4 212	C 0.5 212	C 0.6 212	C 0.7 212	C 0.6 213	C 0.6 213	C 0.5 213	C 0.4 213
9	C 4. 131	C 2.5 131	C 2.6 131	C 0.2 131	C 0.2 131	C 0.2 131	C 0.2 131	C 0.2 131	C 0.2 131	C 0.2 131	C 0.1 131	C 0.1 131
10	C 3.1 208	C 2.5 208	C 2.5 208	C 0.4 208	C 0.4 208	C 0.4 208	C 0.5 208	C 0.6 208	C 0.5 208	C 0.5 208	C 0.4 208	C 0.3 208
11	A 0.3 111	A 0.2 111	A 0.2 111	A 0.2 88	A 0.2 88	A 0.2 88	A 0.1 93	A 0.2 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 95
12	C 5.1 584	C 5.8 584	C 5.9 584	C 3. 584	C 3.1 584	C 3.5 584	C 4.9 584	C 8.3 12924	C 8. 12924	C 7. 577	C 4.7 577	C 4.4 577
13	C 9.5 739	C 3.7 739	C 3.7 739	C 1.2 739	C 1.1 739	C 2. 739	C 2.6 739	C 6.5 11662	C 6.5 11662	C 1.4 739	C 1.2 739	C 1. 739
14	C 2.2 143	C 1.7 143	C 1.7 143	C 0.3 143	C 0.2 143	C 0.3 143	C 0.2 143	C 0.2 143	C 0.2 143	C 0.2 143	C 0.1 143	C 0.1 143
15	C 2. 54	C 1.9 54	C 1.9 54	C 0.2 50	C 0.2 50	C 0.2 50	C 0.1 50	C 0.1 50	C 0.1 50	C 0.1 50	C 0.1 50	C 0.1 50
16	C 2.1 134	C 1.6 134	C 1.6 134	C 0.3 134	C 0.3 134	C 0.3 134	C 0.3 134	C 6.2 7470	C 6.2 7470	C 0.2 134	C 0.1 134	C 0.1 134
17	A 0.7 37	A 0.4 37	A 0.5 37	A 0. 37	A 0. 37	A 0.1 37	A 0.1 37	A 0.1 37	A 0.1 37	A 0.1 37	A 0.1 37	A 0. 37
18	A 0.5 131	A 0.5 131	A 0.5 131	A 0.6 191	A 0.6 191	A 0.7 191	A 0.2 114	A 0.2 114	A 0.2 114	A 0.2 114	A 0.2 114	A 0.2 114
19	C 5.6 401	C 3. 401	C 3.1 401	C 2.2 401	C 2.2 401	C 2.6 401	C 4. 401	C 6.2 3879	C 6.2 3879	C 2.6 401	C 2.2 401	C 1.8 401
20	C 6.6 617	C 6. 617	C 6.1 617	C 6.3 617	C 5.4 617	C 6.9 773	C 6.6 773	C 6.6 7216	C 6.6 7216	C 6.5 773	C 6.4 617	C 5.4 617
21	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
22	A 3.8 512	A 3.4 512	A 3.5 512	A 1.9 512	A 1.7 512	A 2.1 512	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
23	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

## 2.22 1\_Algebraic\_functions\1.1Binomialproducts\1.1.3General\1.1.3.6(gx)^m(a+bx^n)^p(c+dx^n)^q(e+fx^n)^r

Table 24: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.7 151	A 0.4 151	A 0.4 151	A 0.3 151	A 0.3 151	A 0.3 151	A 0.4 151	A 0.5 151	A 0.4 151	A 0.3 151	A 0.2 151	A 0.2 151
2	A 0.4 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.2 113	A 0.2 115	A 0.3 115	A 0.2 115	A 0.2 115	A 0.1 115	A 0.1 115
3	A 1. 247	A 0.7 247	A 0.7 247	A 0.5 247	A 0.5 247	A 0.5 247	A 0.8 247	A 1. 247	A 0.8 247	A 0.6 247	A 0.4 247	A 0.4 247
4	A 0.8 165	A 0.8 165	A 0.8 165	A 0.2 165	A 0.2 165	A 0.2 165	A 0.4 170	A 0.5 170	A 0.4 178	A 0.4 178	A 0.3 178	A 0.3 178
5	A 1.2 327	A 1. 327	A 1. 327	A 0.7 327	A 0.8 327	A 0.8 327	A 1.8 327	A 2. 327	A 1.7 327	A 1.2 327	A 0.8 327	A 0.7 327
6	A 0.9 239	A 0.6 239	A 0.6 239	A 0.3 239	A 0.4 239	A 0.6 239	A 1.1 239	A 1.2 239	A 1. 239	A 0.4 239	A 0.3 239	A 0.3 239
7	A 0.4 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0. 90
8	A 0.2 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.2 121	A 0.2 121	A 0.2 129	A 0.1 129	A 0.1 129	A 0.1 129
9	A 0.9 169	A 0.8 169	A 0.8 169	A 0.2 169	A 0.2 169	A 0.2 169	A 0.4 170	A 0.5 170	A 0.4 178	A 0.4 178	A 0.3 178	A 0.3 178
10	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81
11	A 1.6 329	A 1.5 329	A 1.5 329	A 0.6 329	A 0.6 329	A 0.6 329	C 1.7 375	C 0.8 107	C 0.7 107	C 0.7 107	A 1.3 327	A 1.3 327
12	A 0.6 248	A 0.3 248	A 0.3 248	A 0.5 248	A 0.4 248	A 0.5 248	A 0.7 248	A 0.8 248	A 0.7 256	A 0.6 256	A 0.5 256	A 0.5 256
13	A 1. 199	A 0.6 199	A 0.6 199	A 0.9 199	A 0.8 199	A 1. 199	A 1.8 199	A 2.1 199	A 1.8 199	A 1.3 199	A 0.9 199	A 0.9 199
14	A 0.8 229	A 0.5 229	A 0.5 229	A 0.6 229	A 0.5 229	A 0.6 229	A 0.6 212	A 0.6 212	A 0.6 212	A 0.6 212	A 0.4 212	A 1.4 325
15	A 1.3 332	A 0.9 332	A 0.9 332	A 1. 332	A 0.9 332	A 1.1 332	A 1.1 290	A 1.2 290	A 1.1 290	A 1.2 290	A 0.8 290	A 3.5 482
16	A 0.6 199	A 0.3 199	A 0.3 199	A 0.3 199	A 0.3 199	A 0.3 199	A 2.6 402	A 2.9 402	A 2.7 406	A 3.2 398	A 2.5 398	A 2.1 406
17	A 0.8 172	A 0.5 172	A 0.5 172	A 0.3 172	A 0.3 172	A 0.3 172	B 1.8 1924	B 1.9 1924	A 2.4 345	A 2.3 345	A 1.7 345	A 1.3 354
18	A 0.9 271	A 0.6 271	A 0.6 271	A 0.5 271	A 0.5 271	A 0.6 271	B 3.8 2178	B 4.4 2178	B 6.8 3335	A 2.2 671	A 1.8 671	A 6.2 674
19	A 1.2 138	A 0.4 138	A 0.4 138	A 0.3 138	A 0.3 138	B 1. 438	B 1.3 438	A 0.3 138	A 0.2 138	A 0.2 138	A 0.2 138	A 0.2 138
20	A 0.5 124	A 0.3 124	A 0.3 124	A 0.2 124	A 0.2 124	A 0.2 124	A 0.3 124	A 0.3 124	A 0.3 124	A 0.2 124	A 0.2 124	A 0.2 124

## 2.23 1\_Algebraic\_functions\1.1Binomialproducts\1.1.3General\1.1.3.8(cx)^mPq(x)(a+bx^n)^p

Table 25: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.3 355	A 0.2 355	A 0.2 355	A 0.6 294	A 0.6 294	A 0.7 294	A 0.4 355	A 0.5 355	A 0.4 355	A 0.3 355	A 0.2 355	A 0.2 355
2	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82
3	A 0.5 184	A 0.5 184	A 0.5 184	C 0.1 106	C 0.1 106	C 0.1 106	A 0.4 184	A 0.4 184	A 0.3 187	A 0.3 187	A 0.3 187	A 0.2 187
4	A 0.2 194	A 0.1 194	A 0.1 194	A 0.2 194	A 0.2 194	A 0.2 194	A 0.3 194	A 0.4 194	A 0.2 200	A 0.1 200	A 0.1 200	A 0.1 200
5	A 0.1 266	A 0.1 266	A 0.1 266	A 0.1 266	A 0.1 266	A 0.1 266	A 0.2 266	A 0.2 266	A 0.2 266	A 0.2 266	A 0.1 266	A 0.1 266
6	A 0.1 231	A 0.1 231	A 0.1 231	A 0.2 231	A 0.2 231	A 0.2 231	A 0.3 231	A 0.3 231	A 0.3 231	A 0.2 231	A 0.2 231	A 0.2 231
7	A 0.1 224	A 0.1 224	A 0.1 224	A 0.1 224	A 0.1 224	A 0.2 224	A 0.2 224	A 0.3 224	A 0.2 223	A 0.2 223	A 0.2 223	A 0.1 223
8	A 0.1 266	A 0.1 266	A 0.1 266	A 0.1 266	A 0.1 266	A 0.1 266	A 0.2 266	A 0.2 266	A 0.2 266	A 0.2 266	A 0.2 266	A 0.1 266
9	A 0.1 308	A 0.1 308	A 0.1 308	A 0.1 308	A 0.1 308	A 0.1 308	A 0.2 308	A 0.2 308	A 0.2 308	A 0.2 308	A 0.1 308	A 0.1 308
10	A 0.2 198	A 0.1 198	A 0.1 198	A 0.2 198	A 0.2 198	A 0.3 198	A 0.4 198	A 0.4 198	A 0.3 198	A 0.3 198	A 0.2 198	A 0.2 198
11	A 0.3 364	A 0.2 364	A 0.2 364	A 0.4 364	A 0.3 364	A 0.6 364	A 0.8 364	A 0.9 364	A 0.8 364	A 0.5 364	A 0.4 364	A 0.4 364
12	A 0.1 250	A 0.1 250	A 0.1 250	A 0.2 250	A 0.2 250	A 0.2 250	A 0.3 250	A 0.3 250	A 0.3 250	A 0.2 250	A 0.2 250	A 0.2 250
13	A 0.1 253	A 0.1 253	A 0.1 253	A 0.2 253	A 0.2 253	A 0.2 253	A 0.3 253	A 0.3 253	A 0.3 253	A 0.3 253	A 0.2 253	A 0.2 253
14	A 0.1 280	A 0.1 280	A 0.1 280	A 0.2 280	A 0.2 280	A 0.2 280	A 0.3 280	A 0.3 280	A 0.3 280	A 0.3 280	A 0.2 280	A 0.2 280
15	A 0.1 317	A 0.1 317	A 0.1 317	A 0.2 317	A 0.2 317	A 0.2 317	A 0.3 317	A 0.3 317	A 0.3 317	A 0.3 317	A 0.3 317	A 0.2 317
16	A 0.1 208	A 0.1 208	A 0.1 208	A 0.1 208	A 0.1 208	A 0.1 208	A 0.2 208	A 0.2 208	A 0.2 208	A 0.2 208	A 0.1 208	A 0.1 208
17	A 0. 105	A 0. 105	A 0. 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105
18	A 0.1 238	A 0.1 238	A 0.1 238	A 0.2 238	A 0.2 238	A 0.3 238	A 0.4 238	A 0.4 238	A 0.4 240	A 0.3 240	A 0.3 240	A 0.2 240
19	A 0.3 380	A 0.3 380	A 0.3 380	A 0.4 380	A 0.4 380	A 0.6 380	A 0.9 380	A 1. 380	A 0.8 380	A 0.7 380	A 0.5 380	A 0.5 380
20	A 0.1 286	A 0.1 286	A 0.1 286	A 0.2 286	A 0.2 286	A 0.2 286	A 0.4 286	A 0.4 286	A 0.4 286	A 0.3 286	A 0.3 286	A 0.3 286
21	A 0.3 366	A 0.3 366	A 0.3 366	A 0.4 366	A 0.4 366	A 0.5 366	A 0.7 366	A 0.8 366	A 0.7 366	A 0.6 366	A 0.5 366	A 0.5 366
22	A 0.1 180	A 0.1 180	A 0.1 180	A 0.2 180	A 0.2 180	A 0.2 180	A 0.3 180	A 0.3 180	A 0.3 180	A 0.2 180	A 0.2 180	A 0.2 180
23	A 0.1 205	A 0.1 205	A 0.1 205	A 0.2 205	A 0.2 205	A 0.2 205	A 0.3 205	A 0.3 205	A 0.3 205	A 0.2 205	A 0.2 205	A 0.2 205
24	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59
25	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
26	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53
27	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47
28	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53
29	A 0. 125	A 0. 125	A 0. 125	A 0.1 125	A 0.1 125	A 0.1 125	A 0.1 125	A 0.1 125	A 0.1 125	A 0.1 125	A 0.1 125	A 0.1 125
30	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19

Table 25 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
32	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
33	A 0. 134	A 0. 134	A 0. 134	A 0. 134	A 0. 134	A 0. 134	A 0. 134	A 0. 134	A 0. 134	A 0. 134	A 0. 134	A 0. 134
34	A 0.1 184	A 0.1 184	A 0.1 184	A 0.1 184	A 0.1 184	A 0.1 184	A 0.2 184	A 0.2 184	A 0.2 184	A 0.1 184	A 0.1 184	A 0.1 20
35	A 0.1 192	A 0.1 192	A 0.1 192	A 0.2 192	A 0.2 192	A 0.2 192	A 0.3 192	A 0.4 192	A 0.3 192	A 0.3 192	A 0.2 192	A 0.2 19
36	A 0.1 174	A 0.1 174	A 0.1 174	A 0.1 174	A 0.1 174	A 0.2 174	A 0.2 174	A 0.3 174	A 0.2 174	A 0.2 174	A 0.2 174	A 0.1 17
37	A 0.2 279	A 0.2 279	A 0.2 279	A 0.3 279	A 0.3 279	A 0.3 279	A 0.5 279	A 0.5 279	A 0.5 279	A 0.5 279	A 0.4 279	A 0.4 27
38	A 0.2 284	A 0.2 284	A 0.2 284	A 0.3 284	A 0.3 284	A 0.4 284	A 0.5 284	A 0.5 284	A 0.5 284	A 0.5 284	A 0.4 284	A 0.4 28
39	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90
40	A 0. 124	A 0. 124	A 0. 124	A 0. 124	A 0. 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0. 12
41	B 0. 146	B 0. 146	B 0. 146	B 0. 146	B 0. 146	B 0.1 146	B 0.1 146	B 0.1 146	B 0.1 146	B 0.1 146	B 0.1 146	B 0. 14
42	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A 0. 122	A 0.1 122	A 0.1 122	A 0.1 122	A 0. 122	A 0. 122	A 0. 12
43	A 0. 97	A 0. 97	A 0. 97	A 0. 97	A 0. 97	A 0. 97	A 0. 97	A 0. 97	A 0. 97	A 0. 97	A 0. 97	A 0. 97
44	A 0. 163	A 0. 163	A 0. 163	A 0. 163	A 0. 163	A 0. 163	A 0.1 163	A 0.1 163	A 0.1 163	A 0. 163	A 0. 163	A 0. 16
45	A 0. 223	A 0. 223	A 0. 223	A 0. 223	A 0. 223	A 0.1 223	A 0.1 223	A 0.1 223	A 0.1 223	A 0. 223	A 0. 223	A 0. 22
46	A 0.3 264	A 0.3 264	A 0.3 264	A 0.5 264	A 0.5 264	A 0.6 264	A 0.9 264	A 1.1 264	A 0.7 263	A 0.5 263	A 0.4 263	A 0.3 26
47	A 0.3 334	A 0.3 334	A 0.3 334	A 0.4 334	A 0.5 334	A 0.7 334	A 1.1 334	A 0.9 334	A 1. 334	A 0.6 334	A 0.5 334	A 0.5 33
48	A 0.2 285	A 0.1 285	A 0.1 285	A 0.2 285	A 0.2 285	A 0.2 285	A 0.3 285	A 0.4 285	A 0.3 285	A 0.3 285	A 0.3 285	A 0.2 28
49	A 0.2 311	A 0.2 311	A 0.2 311	A 0.3 311	A 0.3 311	A 0.3 311	A 0.5 311	A 0.5 311	A 0.5 312	A 0.4 312	A 0.4 312	A 0.4 31
50	A 0.2 269	A 0.2 269	A 0.2 269	A 0.3 269	A 0.3 269	A 0.4 269	A 0.6 269	A 0.7 269	A 0.4 265	A 0.4 265	A 0.3 265	A 0.2 26
51	C 10. 38	C 10. 38	C 10. 38	C 0. 38	C 0. 38	C 0. 38	C 0.1 121	C 0.2 121	C 0.1 121	C 0.1 121	C 0.1 121	C 0.1 12
52	C 10. 58	C 10. 58	C 10. 58	C 0. 58	C 0. 58	C 0. 58	C 0.1 119	C 0.1 119	C 0.1 119	C 0. 119	C 0. 119	C 0. 11
53	C 10.1 132	C 10.1 132	C 10.1 132	C 0.1 132	C 0.1 132	C 0.2 132	C 2. 329	C 2.8 329	C 1.6 329	C 1.3 329	C 1. 329	C 0.9 32
54	C 10.1 131	C 10.1 131	C 10.1 131	C 0.2 131	C 0.2 131	C 0.3 131	C 3.3 525	C 3.5 525	C 3.5 527	C 3.9 527	C 2.6 527	C 2.1 52
55	C 7.1 107	C 10.1 107	C 10.1 107	C 0.1 107	C 0.1 107	C 0.1 107	C 1.7 305	C 2.1 305	C 1.8 305	C 1.4 305	C 1.1 305	C 0.9 30
56	C 10.1 121	C 10.1 121	C 10.1 121	C 0.1 121	C 0.1 121	C 0.1 121	C 4.3 542	C 4.7 542	C 5. 542	C 4.7 542	C 3.1 542	C 2.6 54
57	C 10.3 211	C 10.3 211	C 10.3 211	C 0.5 211	C 0.5 211	C 0.5 211	C 4.5 800	C 4.8 800	A 6.2 1009	C 5.9 801	C 3.7 801	C 3.1 80
58	C 10.3 213	C 10.3 213	C 10.3 213	C 0.5 213	C 0.4 213	C 0.5 213	C 4.2 892	C 4.5 892	A 6.2 1135	A 6.2 1135	C 4.6 893	C 3.9 89
59	C 9.3 232	C 9.2 232	C 9.2 232	C 0.4 232	C 0.4 232	C 0.4 232	C 4.1 952	C 4.4 952	A 6.2 1335	A 6.2 1335	C 5.2 1056	C 4.3 10
60	C 9.5 243	C 9.2 243	C 9.3 243	C 0.6 243	C 0.6 243	C 0.7 243	C 3.5 813	C 3.9 813	A 6.2 1009	C 6.1 805	C 3.8 805	C 3.2 80
61	C 10.3 240	C 10.3 240	C 10.4 240	C 0.5 240	C 0.5 240	C 0.6 240	C 4.5 805	C 4.9 805	C 5.4 807	C 6. 807	C 3.7 807	C 3.1 80
62	C 10.1 135	C 10.1 135	C 10.1 135	C 0.1 135	C 0.1 135	C 0.2 135	C 1.8 357	C 2.1 357	C 1.8 357	C 1.9 357	C 1.4 357	C 1.2 35
63	A 0.2 224	A 0.1 224	A 0.2 224	A 0.2 224	A 0.2 224	A 0.3 224	A 0.4 224	A 0.4 224	A 0.4 224	A 0.3 224	A 0.3 224	A 0.2 22
64	A 0.1 229	A 0.1 229	A 0.1 229	A 0.1 229	A 0.1 229	A 0.2 229	A 0.2 229	A 0.2 229	A 0.2 229	A 0.2 229	A 0.1 229	A 0.1 22

Table 25 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
65	A 0.1 211	A 0.1 211	A 0.1 211	A 0.2 211	A 0.2 211	A 0.3 211	A 0.4 211	A 0.5 211	A 0.4 211	A 0.3 211	A 0.2 211	A 0.2 211
66	A 0.2 305	A 0.2 305	A 0.2 305	A 0.3 305	A 0.3 305	A 0.4 305	A 0.6 305	A 0.6 305	A 0.7 305	A 0.5 305	A 0.4 305	A 0.3 292
67	A 0.2 244	A 0.1 244	A 0.1 244	A 0.2 244	A 0.2 244	A 0.4 244	A 0.6 244	A 0.6 244	A 0.5 244	A 0.3 244	A 0.3 244	A 0.2 244
68	A 0.2 276	A 0.2 276	A 0.2 276	A 0.3 276	A 0.3 276	A 0.4 276	A 0.5 276	A 0.5 276	A 0.5 276	A 0.4 276	A 0.3 276	A 0.3 276
69	A 0. 124	A 0. 124	A 0. 124	A 0. 124	A 0. 124	A 0. 124	A 0. 124	A 0. 124	A 0. 124	A 0. 124	A 0. 124	A 0. 124
70	A 0. 129	A 0. 129	A 0. 129	A 0. 129	A 0. 129	A 0. 129	A 0. 129	A 0. 129	A 0. 129	A 0. 129	A 0. 129	A 0. 129
71	A 0. 180	A 0. 180	A 0. 180	A 0. 180	A 0. 180	A 0. 180	A 0. 180	A 0. 180	A 0. 180	A 0. 180	A 0. 180	A 0. 180
72	A 0. 236	A 0. 236	A 0. 236	A 0. 236	A 0. 236	A 0. 236	A 0. 236	A 0. 236	A 0. 236	A 0. 236	A 0. 236	A 0. 236
73	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
74	A 0. 92	A 0. 92	A 0. 92	A 0. 92	A 0. 92	A 0. 92	A 0. 92	A 0. 92	A 0. 92	A 0. 92	A 0. 92	A 0. 92
75	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65
76	A 0. 180	A 0. 180	A 0. 180	A 0. 180	A 0. 180	A 0. 180	A 0. 180	A 0. 180	A 0. 180	A 0. 180	A 0. 180	A 0. 180
77	A 0. 214	A 0. 214	A 0. 214	A 0.1 214	A 0.1 214	A 0.1 214	A 0.1 214	A 0.1 214	A 0.1 214	A 0.1 214	A 0.1 214	A 0.1 214
78	A 0.2 315	A 0.2 315	A 0.2 315	A 0.4 315	A 0.3 315	A 0.4 315	A 0.6 315	A 0.7 315	A 0.5 315	A 0.5 315	A 0.4 315	A 0.3 306
79	A 0.2 294	A 0.2 294	A 0.2 294	A 0.3 294	A 0.3 294	A 0.4 294	A 0.5 294	A 0.5 294	A 0.5 294	A 0.4 294	A 0.3 294	A 0.3 294
80	A 0.2 347	A 0.2 347	A 0.2 347	A 0.3 347	A 0.3 347	A 0.4 347	A 0.6 347	A 0.6 347	A 0.6 347	A 0.5 347	A 0.4 347	A 0.4 338
81	A 0.3 379	A 0.3 379	A 0.2 379	A 0.4 379	A 0.4 379	A 0.6 379	A 0.7 379	A 0.8 379	A 0.9 379	A 0.6 379	A 0.5 379	A 0.5 369
82	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
83	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13
84	A 0. 108	A 0. 108	A 0. 108	A 0. 108	A 0. 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0. 108
85	A 0. 108	A 0. 108	A 0. 108	A 0. 108	A 0. 108	A 0. 108	A 0. 108	A 0. 108	A 0. 108	A 0. 108	A 0. 108	A 0. 108
86	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
87	A 0. 203	A 0. 203	A 0. 203	A 0.1 203	A 0. 203	A 0.1 203	A 0.1 203	A 0.1 203	A 0.1 203	A 0.1 203	A 0.1 203	A 0. 203
88	A 0.1 283	A 0.1 283	A 0.1 283	A 0.2 283	A 0.2 283	A 0.2 283	A 0.4 283	A 0.4 283	A 0.3 278	A 0.3 278	A 0.2 278	A 0.2 278
89	A 0.2 359	A 0.2 359	A 0.2 359	A 0.3 359	A 0.3 359	A 0.3 359	A 0.4 359	A 0.4 359	A 0.4 359	A 0.4 359	A 0.3 359	A 0.3 359
90	A 0.2 359	A 0.2 359	A 0.2 359	A 0.4 359	A 0.4 359	A 0.4 359	A 0.6 359	A 0.7 359	A 0.6 359	A 0.6 359	A 0.5 359	A 0.5 359
91	A 0.3 500	A 0.3 500	A 0.3 500	A 0.5 500	A 0.4 500	A 0.6 500	A 0.9 500	A 0.9 500	A 0.7 502	A 0.7 502	A 0.6 502	A 0.5 502
92	C 10.5 182	C 10.5 182	C 10.5 182	C 0.8 182	C 0.7 182	C 1. 182	C 0.7 280	C 0.8 283	C 0.8 283	C 0.7 283	C 0.6 283	C 0.5 283
93	C 10.2 175	C 10.1 175	C 10.2 175	C 0.2 175	C 0.2 175	C 0.3 175	C 3.3 267	C 6.1 362	C 3.1 302	C 2.5 326	C 2.1 326	C 1.8 335
94	C 10.5 238	C 10.5 238	C 10.5 238	C 0.8 238	C 0.8 238	C 1. 238	C 3. 306	C 6.1 434	C 2.4 308	C 1.9 308	C 1.5 308	C 1.2 335
95	C 10.4 224	C 10.3 224	C 10.3 224	C 0.6 224	C 0.5 224	C 0.6 224	C 0.9 319	C 0.9 322	C 3.1 301	C 2.7 315	C 2.2 315	C 1.9 335
96	C 10.3 222	C 10.3 222	C 10.3 222	C 0.5 222	C 0.5 222	C 0.6 222	C 0.9 328	C 1. 331	C 2.2 318	C 2.8 332	C 2.3 332	C 1.9 335
97	C 10.3 174	C 10.2 174	C 10.2 174	C 0.4 174	C 0.3 174	C 0.4 174	C 1.3 351	C 1.8 354	C 1.3 354	C 2.5 338	C 2. 338	C 1.8 335
98	C 10.1 149	C 10.1 149	C 10.1 149	C 0.2 149	C 0.2 149	C 0.2 149	C 1.1 328	C 1.2 328	C 1.1 328	C 1.6 328	C 1.3 328	C 1.1 335

Table 25 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
99	C 10.2 159	C 10.1 159	C 10.1 159	C 0.2 159	C 0.2 159	C 0.3 159	C 0.9 235	C 1. 238	C 0.9 238	C 0.9 251	C 0.7 251	C 0.6 20
100	C 10.2 157	C 10.1 157	C 10.1 157	C 0.3 157	C 0.2 157	C 0.3 157	C 3.5 250	C 3.4 253	C 1.1 293	C 1. 329	C 0.9 329	C 0.7 34
101	C 10.1 149	C 10.1 149	C 10.1 149	C 0.2 149	C 0.2 149	C 0.2 149	C 0.6 249	C 0.7 249	C 0.6 249	C 0.7 277	C 0.6 277	C 0.5 28
102	C 10.1 220	C 10.1 220	C 10.1 220	C 0.2 220	C 0.2 220	C 0.2 220	C 0.9 267	C 0.8 270	C 0.7 270	C 0.6 270	C 0.5 270	C 0.4 27
103	C 10.1 166	C 10.1 166	C 10.1 166	C 0.2 166	C 0.1 166	C 0.2 166	C 0.6 243	C 0.7 246	C 0.6 246	C 0.5 246	C 0.5 246	C 0.4 24
104	A 1.3 14	A 1.1 14	A 1.1 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 1
105	A 0. 84	A 0. 84	A 0. 84	A 0. 84	A 0. 84	A 0. 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0. 84	A 0. 8
106	A 1.1 206	A 0.8 206	A 0.8 206	A 0.5 206	A 0.4 206	A 0.5 206	A 2.7 399	A 3. 399	A 2.7 399	A 2.5 399	A 2.1 399	A 1.7 39
107	A 0.6 147	A 0.3 147	A 0.3 147	A 0.4 147	A 0.4 147	A 0.4 147	A 0.3 151	A 0.4 151	A 0.3 152	A 0.3 152	A 0.3 152	A 0.2 15
108	A 2.5 41	A 2.1 41	A 2.1 41	A 0.9 41	A 0.8 41	A 1. 41	A 0.4 41	A 0.5 41	A 0.4 41	A 0.3 41	A 0.3 41	A 0.3 4



## 2.24 1\_Algebraic\_functions\1.1Binomialproducts\1.1.4Improper\1.1.4.2(cx)^m(ax^j+bx^n)^p

Table 26: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	
2	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	
3	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	
4	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	
5	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	
6	B 0. 29	B 0. 29	B 0. 29	B 0. 29	B 0. 29	B 0. 29	B 0. 29	B 0. 29	B 0. 29	B 0. 29	B 0. 29	B 0. 29	
7	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	
8	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	
9	B 0. 24	B 0. 24	B 0. 24	B 0. 24	B 0. 24	B 0. 24	B 0. 24	B 0. 24	B 0. 24	B 0. 24	B 0. 24	B 0. 24	
10	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 27	
11	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	
12	C 0. 51	C 10. 51	C 10. 51	C 0. 51	C 0. 51	C 0. 51	C 0.3 168	C 0.3 168	C 0.3 168	C 0.3 168	C 0.2 168	C 0.2 168	
13	C 0. 83	C 10. 83	C 10. 83	C 0. 83	C 0. 83	C 0.1 83	C 0.2 148	C 0.2 148	C 0.2 148	C 0.2 148	C 0.2 148	C 0.2 148	
14	C 0. 54	C 10. 54	C 10. 54	C 0. 54	C 0. 54	C 0. 54	C 0.4 205	C 0.5 205	C 0.3 205	C 0.2 205	C 0.2 205	C 0.2 205	
15	C 0. 53	C 10. 53	C 10. 53	C 0. 53	C 0. 53	C 0. 53	C 0.1 108	C 0.1 108	C 0.1 108	C 0.1 108	C 0.1 108	C 0. 108	
16	C 0. 48	C 10. 48	C 10. 48	C 0. 48	C 0. 48	C 0. 48	C 0.2 170	C 0.2 170	C 0.2 170	C 0.1 170	C 0.1 170	C 0.1 170	
17	C 0. 53	C 10. 53	C 10. 53	C 0. 53	C 0. 53	C 0. 53	C 0.2 195	C 0.2 195	C 0.2 195	C 0.2 195	C 0.1 195	C 0.1 195	
18	A 0. 66	A 0. 64	A 0. 64	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0.1 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	
19	A 0. 55	A 0. 46	A 0. 46	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	
20	A 0. 38	A 0.1 38	A 0.1 38	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	
21	A 0.1 106	A 0.1 106	A 0.1 106	C 0. 43	C 0. 43	C 0. 43	A 0.2 123	A 0.2 123	A 0.2 123	A 0.2 123	A 0.2 123	A 0.2 133	
22	C 0. 49	C 10. 49	C 10. 49	C 0. 49	C 0. 49	C 0. 49	C 0.2 147	C 0.2 147	C 0.2 147	C 0.2 147	C 0.1 147	C 0.1 147	
23	A 0.4 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0. 72	A 0. 72	A 0. 72	
24	A 0.3 25	A 0.1 31	A 0.1 31	A 0. 25	A 0. 25	A 0. 25	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	
25	A 0.4 57	A 0.1 55	A 0.1 55	A 0.1 48	A 0.1 48	A 0.1 48	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	
26	A 0.3 34	A 0.1 40	A 0.1 40	A 0.1 65	A 0. 65	A 0.1 65	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	
27	C 10. 54	C 10. 54	C 10. 54	C 0.1 54	C 0.1 54	C 0.1 54	C 0.1 71	C 0.1 71	C 0.1 71	C 0.1 71	C 0.1 71	C 0. 71	
28	C 10. 59	C 10. 59	C 10. 59	C 0.1 59	C 0. 59	C 0.1 59	C 0.1 145	C 0.1 145	C 0.1 145	C 0.1 145	C 0.1 145	C 0.1 145	
29	C 10.1 106	C 10.1 106	C 10.1 106	C 0.1 106	C 0.1 106	C 0.1 106	C 0.1 118	C 0.1 118	C 0.1 118	C 0.1 118	C 0.1 118	C 0. 118	
30	C 10. 62	C 10. 62	C 10. 62	C 0.1 62	C 0.1 62	C 0.1 62	C 0.1 123	C 0.1 123	C 0.1 123	C 0.1 123	C 0.1 123	C 0.1 123	

Table 26 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	C 10.1 106	C 10.1 106	C 10.1 106	C 0.1 106	C 0.1 106	C 0.1 106	C 0.1 94	C 0.1 94	C 0.1 94	C 0.1 94	C 0.1 94	C 0.1 94	C 0.1 94
32	C 10. 80	C 10. 80	C 10. 80	C 0. 80	C 0. 80	C 0. 80	C 0.1 73	C 0.1 73	C 0.1 73	C 0.1 73	C 0. 73	C 0. 73	C 0. 73
33	C 10. 59	C 10. 59	C 10. 59	C 0.1 59	C 0.1 59	C 0.1 59	C 0.1 97	C 0.1 97	C 0.1 97	C 0.1 97	C 0.1 97	C 0. 97	C 0. 97
34	C 10. 59	C 10. 59	C 10. 59	C 0.1 59	C 0. 59	C 0.1 59	C 0.1 121	C 0.1 121	C 0.1 121	C 0.1 121	C 0.1 121	C 0.1 121	C 0.1 121
35	C 10.1 119	C 10.1 119	C 10.1 119	C 0.1 124	C 0.1 124	C 0.1 124	C 0.1 118	C 0.1 118	C 0.1 118	C 0.1 118	C 0.1 118	C 0.1 118	C 0.1 118
36	C 10. 64	C 10. 64	C 10. 64	C 0.1 64	C 0.1 64	C 0.1 64	C 0.1 108	C 0.1 108	C 0.1 108	C 0.1 108	C 0.1 108	C 0.1 108	C 0.1 108
37	A 0.7 76	A 0.1 76	A 0.2 76	C 0.1 57	C 0.1 57	C 0.1 57	A 0.1 76	A 0.1 76	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79
38	A 0.7 185	A 0.1 185	A 0.1 185	A 0.2 185	A 0.2 185	A 0.2 185	A 0.1 185	A 0.1 185	A 0.1 185	A 0.1 185	A 0.1 185	A 0.1 185	A 0.1 185
39	A 0.6 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0. 111	A 0. 111	A 0. 111	A 0. 111
40	A 0.4 98	A 4.1 85	A 4.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 98	A 0.1 98	A 0.1 98	A 0. 98	A 0. 98	A 0. 98	A 0. 98
41	A 1.1 177	C 10.1 48	C 10.1 48	C 0.1 48	C 0.1 48	C 0.1 48	A 0.4 186	A 0.4 186	A 0.4 202	A 0.3 202	A 0.2 202	A 0.2 202	A 0.2 202
42	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
43	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
44	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57
45	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44
46	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10
47	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28
48	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54
49	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
50	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24
51	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0.1 35	A 0.1 35	A 0.1 35	A 0.1 35	A 0. 35	A 0. 35	A 0. 35
52	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0.1 53	A 0. 53	A 0.1 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53
54	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53
55	A 0.1 96	A 0.1 96	A 0.1 96	C 0. 40	C 0. 40	C 0. 40	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0. 96	A 0. 96	A 0. 96
56	A 0. 62	A 0.1 62	A 0.1 62	C 0. 36	C 0. 36	C 0. 36	A 0. 62	A 0.1 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62
57	A 0.3 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58
58	A 0.3 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72
59	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24
60	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46
61	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
62	C 0. 55	C 10. 55	C 10. 55	C 0. 55	C 0. 55	C 0. 55	C 0.3 171	C 0.4 171	C 0.3 171	C 0.3 171	C 0.2 171	C 0.2 171	C 0.2 171
63	C 0. 68	C 10. 68	C 10. 68	C 0. 68	C 0. 68	C 0. 68	C 2.5 228	C 2.9 228	C 2.1 228	C 1.6 228	C 1.2 228	C 1. 228	C 1. 228
64	A 0.1 81	A 0.2 82	A 0.2 82	A 0. 81	A 0. 81	A 0.1 81	A 0.1 81	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0. 86	A 0. 86

Table 26 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			7		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size			
65	A	0.	59	A	0.2	60	A	0.2	60	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	64
66	C	0.	57	C	10.	57	C	10.	57	C	0.	57	C	0.	57	C	0.	57	C	0.6	176	C	0.7	176	C	0.6	176	C	0.5	176	C	0.4	176	C	0.3	176
67	B	0.1	69	A	0.	57	A	0.	57	A	0.	59	A	0.	59	A	0.	59	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.	60
68	A	0.5	53	A	0.1	53	A	0.1	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53
69	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10
70	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20
71	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160
72	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160
73	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160
74	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160
75	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160
76	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15
77	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29
78	A	1.1	109	A	0.3	109	A	0.3	109	A	0.2	109	A	0.2	109	A	0.3	109	A	0.3	109	A	0.3	109	A	0.3	109	A	0.2	109	A	0.2	109	A	0.2	109
79	A	0.4	99	A	0.1	99	A	0.1	99	A	0.2	99	A	0.1	99	A	0.2	99	A	0.2	99	A	0.2	99	A	0.2	99	A	0.1	99	A	0.1	99	A	0.1	99
80	A	0.4	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.2	115	A	0.3	115	A	0.2	115	A	0.2	115	A	0.2	115	A	0.2	115	A	0.2	123
81	A	0.	66	A	0.	66	A	0.	66	A	0.	66	A	0.	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66
82	A	0.4	91	A	0.1	91	A	0.1	91	A	0.2	91	A	0.1	91	A	0.2	91	A	0.2	91	A	0.2	91	A	0.2	91	A	0.1	91	A	0.1	91	A	0.1	91
83	A	0.3	78	A	0.1	78	A	0.1	78	C	0.1	55	C	0.1	55	C	0.1	55	A	0.2	104	A	0.2	104	A	0.2	104	A	0.2	104	A	0.2	104	A	0.1	112
84	A	0.3	74	A	0.1	74	A	0.1	74	C	0.	51	C	0.	51	C	0.	51	A	0.2	100	A	0.2	100	A	0.2	100	A	0.1	100	A	0.1	100	A	0.1	108
85	A	0.1	66	C	0.1	72	C	0.2	72	A	0.	66	A	0.	66	A	0.	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66
86	B	0.3	78	B	0.1	78	B	0.1	78	B	0.1	78	B	0.1	78	B	0.1	78	B	0.1	78	B	0.1	78	B	0.1	78	B	0.1	78	B	0.1	78	B	0.1	78
87	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25
88	A	0.3	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43
89	A	0.1	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.1	36	A	0.1	36	A	0.1	36	A	0.1	36	A	0.1	36	A	0.1	36
90	A	0.3	40	A	0.1	40	A	0.1	40	A	0.	40	A	0.	40	A	0.	40	B	0.2	100	B	0.2	100	B	0.2	100	B	0.2	100	B	0.2	100	B	0.2	100
91	A	0.3	38	A	0.1	38	A	0.1	38	A	0.	38	A	0.	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38

2.25 1\_Algebraic\_functions\1.1Binomialproducts\1.1.4Improper\1.1.4.3(ex)^m(ax^j+bx^k)^p(c+dx^n)^q

Table 27: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 37	A 0. 37
2	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 37	A 0. 37
3	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
4	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 28	A 0. 28
5	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 35	A 0. 35
6	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55
7	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70
8	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0.1 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73
9	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68
10	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0. 71	A 0. 71	A 0. 71	A 0. 77
11	A 0. 92	A 0. 92	A 0. 92	A 0. 92	A 0. 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0. 92	A 0. 92	A 0. 92
12	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71
13	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
14	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0.1 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70
15	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.2 111	A 0.2 111	A 0.2 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111
16	A 0.1 89	A 0. 89	A 0. 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89
17	A 0. 68	A 0. 68	A 0. 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68
18	A 0. 64	A 0. 64	A 0. 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64
19	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.2 85	A 0.2 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85
20	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.2 112	A 0.2 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112
21	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
22	A 0. 84	A 0. 84	A 0. 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 85
23	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108
24	A 0.2 88	A 0.2 88	A 0.2 88	A 0. 88	A 0. 88	A 0. 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88
25	A 0.7 199	A 0.7 199	A 0.7 199	A 0.3 171	A 0.2 171	A 0.3 171	A 0.3 166	A 0.4 166	A 0.3 166	A 0.2 166	A 0.2 166	A 0.2 166	A 0.2 168
26	A 0.2 110	A 0.2 110	A 0.2 110	C 0.1 94	C 0. 94	C 0.1 94	A 0.2 112	A 0.2 112	A 0.2 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 114
27	A 0.3 132	A 0.3 132	A 0.3 132	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 132	A 0.1 132	A 0.1 132	A 0.1 132	A 0.1 132	A 0.1 132	A 0.1 132
28	A 0. 41	A 0. 41	A 0. 41	A 0. 48	A 0. 48	A 0. 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48
29	A 0.1 109	A 0.1 109	A 0.1 109	A 0.1 109	A 0.1 109	A 0.1 109	A 0.2 132	A 0.2 132	A 0.2 132	A 0.1 132	A 0.1 132	A 0.1 132	A 0.1 149
30	A 0.4 198	A 0.4 198	A 0.3 198	C 0. 66	C 0. 66	C 0.1 66	A 0.3 219	A 0.4 219	A 0.3 219	A 0.3 219	A 0.3 219	A 0.3 219	A 0.2 241

Table 27 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0.1 43	A 0.1 43	A 0.1 43	A 0. 43	A 0. 43	A 0. 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0. 43	A 0. 43	
32	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	
33	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 100	
34	A 0.2 108	A 0.2 108	A 0.2 108	A 0. 75	A 0. 75	A 0. 75	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	
35	A 0.1 73	A 0.1 73	A 0.1 73	A 0. 73	A 0. 73	A 0. 73	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 103	
36	A 0. 33	A 0. 35	A 0. 35	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	
37	A 0. 33	A 0. 35	A 0. 35	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	
38	A 0. 85	A 0. 83	A 0. 83	A 0. 85	A 0. 85	A 0.1 85	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A 0. 85	
39	A 0.2 152	A 0.2 152	A 0.2 152	A 0.2 110	A 0.1 110	A 0.2 110	A 0.4 243	A 0.4 243	A 0.3 243	A 0.3 243	A 0.2 243	A 0.2 243	
40	A 0.1 137	A 0.2 135	A 0.2 135	A 0.1 95	A 0.1 95	A 0.1 95	A 0.2 213	A 0.2 213	A 0.2 223	A 0.2 223	A 0.2 223	A 0.2 223	
41	A 0.4 166	A 0.4 152	A 0.4 152	C 0.1 95	C 0.1 95	C 0.2 95	A 0.3 228	A 0.3 228	A 0.3 228	A 0.3 228	A 0.2 228	A 0.2 228	
42	A 0.4 165	A 0.4 151	A 0.4 151	A 0.3 203	A 0.3 203	A 0.3 203	A 0.3 228	A 0.3 228	A 0.3 228	A 0.3 228	A 0.2 228	A 0.2 228	
43	A 0.6 187	A 0.6 187	A 0.6 187	C 0.2 147	C 0.2 147	C 0.2 147	A 0.5 284	A 0.5 284	A 0.4 284	A 0.4 284	A 0.3 284	A 0.3 284	
44	A 0.5 211	A 0.6 210	A 0.6 210	A 0.6 433	A 0.5 433	A 0.6 433	A 0.5 308	A 0.6 308	A 0.5 308	A 0.5 308	A 0.3 308	A 0.3 308	
45	C 10.1 111	C 10.1 111	C 10.1 111	C 0.2 111	C 0.1 111	C 0.2 111	C 0.7 159	C 0.8 159	C 0.7 159	C 0.6 159	C 0.5 159	C 0.4 159	
46	C 10. 94	C 10. 94	C 10. 94	C 0.1 94	C 0.1 94	C 0.1 94	C 0.5 134	C 0.5 134	C 0.4 134	C 0.4 134	C 0.3 134	C 0.3 134	
47	C 10. 97	C 9.2 97	C 9.3 97	C 0. 97	C 0. 97	C 0.1 97	C 0.4 119	C 0.4 119	C 0.4 119	C 0.4 119	C 0.3 119	C 0.3 119	
48	C 10. 96	C 10. 96	C 10. 96	C 0. 96	C 0. 96	C 0. 96	C 1. 219	C 1.1 219	C 1. 219	C 0.9 219	C 0.8 219	C 0.7 219	
49	C 10. 98	C 10. 98	C 10. 98	C 0.1 98	C 0. 98	C 0.1 98	C 0.5 138	C 0.5 138	C 0.5 138	C 0.4 138	C 0.4 138	C 0.3 138	
50	C 10.1 115	C 10.1 115	C 10.1 115	C 0.2 115	C 0.1 115	C 0.2 115	C 0.9 303	C 1. 303	C 0.9 303	C 0.8 303	C 0.5 303	C 0.5 303	
51	C 10.1 115	C 10.1 115	C 10.1 115	C 0.2 115	C 0.1 115	C 0.2 115	C 0.6 174	C 0.6 174	C 0.3 198	C 0.3 198	C 0.2 198	C 0.3 191	
52	C 10. 82	C 10. 82	C 10. 82	C 0.1 82	C 0. 82	C 0.1 82	C 0.4 119	C 0.4 119	C 0.4 119	C 0.4 119	C 0.3 119	C 0.3 119	
53	C 10. 84	C 10. 84	C 10. 84	C 0.1 84	C 0. 84	C 0.1 84	C 0.6 242	C 0.6 242	C 0.6 242	C 0.5 242	C 0.4 242	C 0.3 242	
54	C 10.1 110	C 10.1 110	C 10.1 110	C 0.2 110	C 0.1 110	C 0.2 110	C 0.3 165	C 0.3 165	C 0.3 165	C 0.2 165	C 0.2 165	C 0.2 165	
55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 60	A 0.1 60	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63	
56	A 0.6 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	
57	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
58	A 0.4 119	A 0.2 119	A 0.2 119	A 0.1 119	A 0.1 119	A 0.1 119	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
59	A 0.4 125	A 0.2 125	A 0.2 125	A 0.1 125	A 0.1 125	A 0.1 125	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
60	A 0.5 182	A 0.3 182	A 0.3 182	A 0.3 182	A 0.2 182	A 0.2 182	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	

## 2.26 1\_Algebraic\_functions\1.2Trinomialproducts\1.2.1Quadratic\1.2.1.2(d+ex)^m(a+bx+cx^2)^p

Table 28: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.5 118	A 0.1 117	A 0.1 117	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117
2	B 0.9 561	A 0.1 83	A 0.1 83	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83
3	B 1.7 943	A 0.1 102	A 0.1 102	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102
4	B 0.3 361	A 0.1 82	A 0.1 82	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 74
5	B 0.1 197	A 0. 55	A 0.1 55	A 0. 58	A 0. 58	A 0. 58	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72
6	B 1.6 213	A 0. 47	A 0. 47	A 0.1 32	A 0. 32	A 0.1 32	A 0. 45	A 0. 45	A 0. 59	A 0. 59	A 0. 59
7	B 0.1 102	A 0. 46	A 0. 46	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0.1 48	A 0.1 48	A 0. 48
8	B 0.2 185	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24
9	B 0.1 117	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
10	B 0.8 51	B 0. 39	B 0. 39	B 0. 33	B 0. 33	B 0. 33	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0. 37
11	C 0.4 48	C 10. 48	C 10. 48	C 0. 48	C 0. 48	C 0. 48	C 0.1 94	C 0.1 94	C 0.1 94	C 0.1 94	C 0.1 94
12	C 0.3 43	C 10. 43	C 10. 43	C 0. 43	C 0. 43	C 0. 43	C 0. 44	C 0. 44	C 0. 44	C 0. 44	C 0. 44
13	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0. 55
14	A 0.1 58	A 0.1 60	A 0.1 60	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0. 62
15	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
16	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
17	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28
18	A 0. 206	A 0. 206	A 0. 206	A 0. 207	A 0. 207	A 0. 207	A 0.1 207	A 0.1 207	A 0. 207	A 0. 207	A 0. 207
19	A 0. 206	A 0. 206	A 0. 206	A 0.1 207	A 0. 207	A 0.1 207	A 0.1 207	A 0.1 207	A 0.1 207	A 0.1 207	A 0.1 207
20	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
21	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38
22	B 0.1 120	B 0.1 120	B 0.1 120	A 0. 32	A 0. 32	A 0. 32	A 0.1 32	A 0.1 32	A 0. 32	A 0. 32	A 0. 32
23	A 0.1 49	A 0.1 49	A 0.1 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49
24	A 0.1 30	A 0.1 30	A 0.1 30	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28
25	A 0. 30	A 0.1 30	A 0.1 30	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
26	A 0.1 28	A 0.1 28	A 0.1 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28
27	A 0.1 44	A 0.1 44	A 0.1 44	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
28	A 0.1 23	A 0.1 23	A 0.1 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
29	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	C 0.1 93	C 0.1 93	C 0.1 93	C 0.1 93	C 0.1 93
30	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	B 0.1 83	B 0.1 83	B 0.1 83	B 0.1 83	B 0.1 83

Table 28 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58
32	A	0.6	108	A	0.4	118	A	0.4	118	A	0.2	109	A	0.2	109	A	0.2	109	A	0.1	111	A	0.1	111	A	0.1	125	A	0.1	125	A	0.1	125
33	A	0.3	51	A	0.1	51	A	0.1	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51
34	A	0.3	62	A	0.1	73	A	0.1	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73
35	B	0.9	442	A	0.1	70	A	0.1	70	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	71	A	0.1	71	A	0.1	90	A	0.1	90	A	0.1	90
36	A	0.3	77	A	0.1	79	A	0.1	79	C	0.	48	C	0.	48	C	0.	48	A	0.1	80	A	0.1	80	A	0.1	80	A	0.	80	A	0.	80
37	A	0.3	40	A	0.1	40	A	0.1	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40
38	A	0.3	58	A	0.1	51	A	0.1	51	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58
39	B	0.3	183	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21
40	A	0.5	62	A	0.1	62	A	0.1	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62
41	A	0.4	87	A	0.2	97	A	0.2	97	C	0.	50	C	0.	50	C	0.	50	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90
42	B	0.6	307	A	0.1	73	A	0.1	73	A	0.1	67	A	0.1	67	A	0.1	67	A	0.	66	A	0.	66	A	0.	66	A	0.	66	A	0.	66
43	A	0.4	49	A	0.1	49	A	0.1	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49
44	A	0.4	62	A	0.1	62	A	0.1	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62
45	A	0.3	75	A	0.2	84	A	0.2	84	A	0.2	84	A	0.2	84	A	0.2	84	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78
46	B	1.	221	A	0.	53	A	0.	53	A	0.1	47	A	0.	47	A	0.1	47	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51
47	A	0.	64	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	64	A	0.	64	A	0.	64	A	0.	64	A	0.	64
48	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23
49	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1	72	A	0.	72	A	0.1	72	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1	82
50	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48
51	A	0.1	96	A	0.1	96	A	0.1	96	C	0.	40	C	0.	40	C	0.	40	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96
52	A	0.3	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.1	53	A	0.1	53	A	0.1	53	A	0.	53	A	0.	53
53	A	0.3	45	A	0.	45	A	0.	45	A	0.	45	A	0.	45	A	0.	45	A	0.	45	A	0.	45	A	0.	45	A	0.	45	A	0.	45
54	A	0.3	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59
55	A	0.3	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59
56	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9
57	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43
58	A	0.1	210	A	0.1	210	A	0.1	210	A	0.1	210	A	0.1	210	A	0.1	210	A	0.2	210	A	0.2	210	A	0.2	210	A	0.2	210	A	0.2	210
59	A	0.1	221	A	0.1	221	A	0.1	221	A	0.1	221	A	0.1	221	A	0.1	221	A	0.2	221	A	0.2	221	A	0.2	221	A	0.2	221	A	0.1	221
60	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59
61	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.2	95	A	0.2	95	A	0.1	95	A	0.1	95	A	0.1	95
62	A	0.	67	A	0.	67	A	0.	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67
63	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.	35	A	0.	35
64	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.2	111	A	0.2	111	A	0.1	111	A	0.1	111	A	0.1	111

Table 28 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
65	A	0.1	165	A	0.1	165	A	0.1	165	A	0.1	165	A	0.1	165	A	0.1	165	A	0.2	165	A	0.2	165	A	0.2	165	A	0.2	165	A	0.1	165
66	A	0.1	138	A	0.1	138	A	0.1	138	A	0.2	138	A	0.2	138	A	0.2	138	A	0.3	138	A	0.3	138	A	0.3	138	A	0.2	138	A	0.2	138
67	A	0.	68	A	0.	68	A	0.	68	A	0.1	68	A	0.	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68
68	A	1.1	227	A	1.1	281	A	1.1	281	A	0.6	230	A	0.6	230	A	0.6	230	A	0.4	232	A	0.4	232	A	0.3	246	A	0.3	246	A	0.2	246
69	A	0.8	158	A	0.7	173	A	0.7	173	A	0.3	164	A	0.3	164	A	0.4	164	A	0.3	166	A	0.3	166	A	0.3	172	A	0.3	172	A	0.2	172
70	A	0.6	107	A	0.4	122	A	0.4	122	A	0.2	108	A	0.2	108	A	0.3	108	A	0.2	110	A	0.2	110	A	0.2	116	A	0.2	116	A	0.2	116
71	A	1.8	274	A	10.5	243	A	10.5	243	A	0.8	243	A	0.8	243	A	1.	243	A	0.7	272	A	0.8	272	A	0.8	279	A	0.8	279	A	0.6	279
72	A	0.7	145	A	0.7	167	A	0.8	167	A	0.3	146	A	0.3	146	A	0.3	146	A	0.2	148	A	0.3	148	A	0.3	154	A	0.2	154	A	0.2	154
73	A	1.8	209	A	10.8	237	A	10.8	237	A	1.5	259	A	1.3	205	A	1.4	205	A	0.7	212	A	0.7	212	A	0.7	212	A	0.8	212	A	0.5	212
74	A	0.9	183	A	1.1	238	A	1.1	238	A	0.4	171	A	0.4	171	A	0.5	171	A	0.3	186	A	0.4	186	A	0.3	200	A	0.2	200	A	0.2	200
75	A	0.6	119	A	0.5	129	A	0.5	129	A	0.1	120	A	0.1	120	A	0.2	120	A	0.1	122	A	0.2	122	A	0.1	136	A	0.1	136	A	0.1	136
76	A	10.8	347	A	10.8	347	A	10.8	347	A	1.5	347	A	1.8	334	A	2.1	334	A	1.1	334	A	1.2	334	A	1.1	334	A	1.6	334	A	0.9	334
77	B	0.4	204	A	0.2	91	A	0.2	91	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79
78	A	0.4	48	A	0.1	48	A	0.1	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48
79	A	2.7	379	A	1.7	379	A	1.7	379	A	1.1	351	A	1.	316	A	1.3	316	A	1.6	227	A	1.8	227	A	1.6	227	A	1.5	227	A	1.1	227
80	A	0.	49	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.	48	A	0.	48	A	0.	48
81	A	0.2	232	A	0.1	232	A	0.1	232	A	0.2	206	A	0.2	206	A	0.3	206	A	0.2	232	A	0.3	232	A	0.2	232	A	0.2	232	A	0.2	232
82	A	0.2	232	A	0.1	232	A	0.1	232	A	0.2	206	A	0.2	206	A	0.2	206	A	0.2	232	A	0.2	232	A	0.2	232	A	0.2	232	A	0.2	232
83	A	0.2	107	A	0.2	107	A	0.2	107	A	0.1	107	A	0.1	107	A	0.2	107	A	0.3	107	A	0.3	107	A	0.3	147	A	0.2	147	A	0.2	147
84	A	0.5	119	A	0.6	119	A	0.5	119	A	0.2	169	A	0.2	169	A	0.2	169	A	0.3	119	A	0.4	119	A	0.2	120	A	0.2	120	A	0.2	120
85	A	1.	272	A	1.1	272	A	1.1	272	C	0.1	170	C	0.1	170	C	0.1	170	A	1.4	200	A	1.6	200	A	1.4	200	A	1.5	200	A	1.1	200
86	A	0.9	275	A	1.1	275	A	1.1	275	A	0.7	275	A	0.6	275	A	0.7	275	A	0.6	213	A	0.7	213	A	0.6	213	A	0.7	213	A	0.5	213
87	A	0.7	222	A	0.8	222	A	0.8	222	A	0.4	222	A	0.4	222	A	0.5	222	A	0.4	237	A	0.5	237	A	0.4	237	A	0.4	237	A	0.3	237
88	A	0.7	197	A	0.9	197	A	0.9	197	A	0.6	289	A	0.5	289	A	0.6	289	A	0.4	197	A	0.4	197	A	0.3	197	A	0.3	197	A	0.3	197
89	A	1.1	247	A	1.3	247	A	1.3	247	A	1.	361	A	1.	361	A	1.1	361	A	1.4	198	A	1.6	198	A	1.4	198	A	1.3	198	A	0.9	198
90	C	17.	294	C	11.9	294	C	12.1	294	C	1.2	294	C	1.2	294	C	1.3	294	C	1.7	294	C	1.9	294	C	2.2	294	C	2.2	294	C	1.8	294
91	C	20.3	559	C	21.9	559	C	21.9	559	C	3.	559	C	2.9	559	C	3.4	559	C	5.	559	C	5.8	559	C	4.5	564	C	4.2	564	C	3.4	564
92	C	20.2	663	C	20.3	663	C	20.2	663	C	3.5	663	C	3.3	663	C	3.9	663	C	5.9	663	C	6.6	663	C	6.1	662	C	5.9	662	C	4.8	662
93	C	18.3	388	C	18.7	388	C	18.6	388	C	2.5	388	C	2.3	388	C	2.7	388	C	4.	388	C	4.4	388	C	3.3	417	C	3.2	417	C	2.6	417
94	A	6.	94	A	3.5	94	A	3.5	94	A	0.1	94	A	0.1	94	A	0.2	94	A	0.2	94	A	0.2	94	A	0.2	94	A	0.2	94	A	0.1	94
95	C	19.4	381	C	17.9	381	C	17.8	381	C	2.	381	C	1.7	381	C	1.9	381	C	2.6	381	C	2.9	381	C	2.7	414	C	2.5	414	C	2.	414
96	C	19.9	290	C	18.3	290	C	18.2	290	C	1.3	290	C	1.2	290	C	1.3	290	C	1.7	290	C	1.9	290	C	1.7	310	C	1.6	310	C	1.4	310
97	B	4.9	117	B	3.8	117	B	3.8	117	B	0.4	117	B	0.3	117	B	0.4	117	B	0.5	117	B	0.6	117	B	0.4	124	B	0.4	124	B	0.4	124
98	A	0.3	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57



Table 28 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
99	A	0.3	86	A	0.1	86	A	0.1	86	A	0.	86	A	0.	86	A	0.	86	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98
100	A	0.6	337	A	0.4	337	A	0.4	337	A	0.6	337	A	0.5	337	A	0.6	337	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
101	A	0.	101	A	0.	101	A	0.	101	A	0.	101	A	0.	101	A	0.	101	A	0.	101	A	0.	101	A	0.	101	A	0.	101	A	0.	101
102	A	0.	117	A	0.	117	A	0.	117	A	0.	117	A	0.	117	A	0.	117	A	0.	117	A	0.	117	A	0.	117	A	0.	117	A	0.	117
103	A	0.	91	A	0.	91	A	0.	91	A	0.	91	A	0.	91	A	0.	91	A	0.	91	A	0.	91	A	0.	91	A	0.	91	A	0.	91
104	A	0.	206	A	0.	206	A	0.	206	A	0.1	206	A	0.	206	A	0.1	206	A	0.1	206	A	0.1	206	A	0.1	206	A	0.1	206	A	0.1	206
105	A	0.	163	A	0.	163	A	0.	163	A	0.1	163	A	0.1	163	A	0.1	163	A	0.1	163	A	0.1	163	A	0.1	163	A	0.1	163	A	0.1	163
106	A	0.2	140	A	0.2	140	A	0.2	140	A	0.3	140	A	0.3	140	A	0.4	140	A	0.5	140	A	0.5	140	A	0.5	149	A	0.4	149	A	0.4	149
107	A	0.1	127	A	0.1	127	A	0.1	127	A	0.1	127	A	0.1	127	A	0.1	127	A	0.2	127	A	0.2	127	A	0.1	138	A	0.1	138	A	0.1	138
108	A	0.5	176	A	0.4	176	A	0.4	176	A	0.1	177	A	0.1	177	A	0.2	177	A	0.2	177	A	0.2	177	A	0.2	177	A	0.2	177	A	0.1	177
109	A	0.4	131	A	0.3	131	A	0.3	131	A	0.1	132	A	0.1	132	A	0.1	132	A	0.1	132	A	0.2	132	A	0.2	132	A	0.1	132	A	0.1	132
110	A	0.3	99	A	0.2	99	A	0.2	99	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	99
111	A	0.3	110	A	0.2	110	A	0.2	110	A	0.1	99	A	0.	99	A	0.1	99	A	0.1	124	A	0.1	124	A	0.1	124	A	0.1	124	A	0.1	124
112	A	0.5	173	A	0.5	173	A	0.5	173	A	0.1	174	A	0.1	174	A	0.2	174	A	0.2	174	A	0.2	174	A	0.2	174	A	0.2	174	A	0.2	174
113	A	0.8	229	A	0.8	229	A	0.8	229	A	0.3	239	A	0.3	239	A	0.3	239	A	0.3	239	A	0.4	239	A	0.3	239	A	0.3	239	A	0.3	239
114	A	1.8	228	A	1.8	228	A	1.8	228	A	0.4	260	A	0.3	260	A	0.4	260	A	0.4	260	A	0.5	260	A	0.4	260	A	0.4	260	A	0.3	260
115	A	0.4	69	A	0.3	69	A	0.3	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69
116	A	0.2	27	A	0.2	27	A	0.2	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27
117	A	0.7	149	A	0.7	149	A	0.7	149	A	0.1	139	A	0.1	139	A	0.2	139	A	0.4	167	A	0.4	167	A	0.4	167	A	0.4	167	A	0.3	167
118	A	0.5	57	A	0.5	57	A	0.5	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.	57	A	0.	57
119	A	0.1	34	A	0.1	34	A	0.1	34	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18
120	A	0.1	34	A	0.1	34	A	0.1	34	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20
121	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43
122	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96
123	A	0.1	96	A	0.1	96	A	0.	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96
124	A	0.4	218	A	0.4	218	A	0.4	218	C	0.1	136	C	0.1	136	C	0.1	136	A	0.6	189	A	0.7	189	A	0.6	189	A	0.5	189	A	0.5	189
125	A	0.5	253	A	0.5	226	A	0.5	226	A	0.4	267	A	0.4	267	A	0.4	267	A	0.4	203	A	0.5	203	A	0.4	203	A	0.3	203	A	0.3	203
126	C	0.6	274	C	0.6	250	C	0.7	250	A	0.8	265	A	0.7	265	A	0.9	265	C	0.4	208	C	0.5	208	C	0.4	208	C	0.4	208	C	0.3	208
127	C	1.1	330	C	1.2	338	C	1.2	338	C	0.7	346	C	0.7	346	C	0.8	346	C	0.6	312	C	0.7	312	C	0.6	312	C	0.6	312	C	0.5	312
128	C	23.	504	C	22.8	504	C	22.9	504	C	2.7	504	C	2.4	504	C	2.9	504	C	3.9	504	C	4.3	504	C	5.4	510	C	4.8	510	C	3.9	510
129	C	23.5	587	C	23.3	587	C	23.4	587	C	3.5	602	C	3.1	602	C	3.7	602	C	4.9	602	C	5.5	602	C	6.3	626	C	6.	626	C	4.3	626
130	C	24.	646	C	24.	646	C	24.1	646	C	4.7	646	C	4.3	646	C	4.9	646	C	7.3	646	C	8.	646	C	7.3	651	C	7.4	651	C	5.5	651
131	C	23.5	548	C	23.2	548	C	23.3	548	C	3.3	565	C	3.	565	C	3.6	565	C	4.8	565	C	5.2	565	C	5.1	571	C	5.3	571	C	3.9	571
132	C	22.9	494	C	22.7	494	C	22.8	494	C	2.6	494	C	2.3	494	C	2.8	494	C	4.1	494	C	4.2	494	C	5.9	500	C	5.2	500	C	3.8	500

Table 28 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
133	C	23.9	644	C	23.8	644	C	23.9	644	C	4.1	659	C	3.9	659	C	4.5	659	C	6.1	659	C	6.6	659	C	6.6	673	C	7.9	673	C	5.3	673
134	C	23.7	634	C	23.6	634	C	23.7	634	C	3.8	634	C	3.7	634	C	4.1	634	C	6.1	634	C	6.7	634	C	7.1	701	C	7.8	701	C	5.6	701
135	C	23.8	684	C	23.8	684	C	23.8	684	C	4.1	684	C	3.9	684	C	4.6	684	C	6.6	684	C	7.4	684	C	7.	689	C	8.1	689	C	5.4	689
136	C	22.8	445	C	22.7	445	C	22.8	445	C	2.3	445	C	2.2	445	C	2.7	445	C	4.	445	C	4.2	445	C	3.7	472	C	3.7	472	C	2.4	472
137	C	21.2	186	C	21.2	186	C	21.2	186	C	0.2	186	C	0.2	186	C	0.3	186	C	0.4	186	C	0.4	186	C	0.4	186	C	0.3	186	C	0.3	186
138	C	11.4	568	C	11.4	568	C	11.4	568	C	1.5	583	C	1.5	583	C	1.7	583	C	3.4	583	C	4.	583	C	5.6	601	C	5.3	601	C	1.8	601
139	C	23.6	580	C	23.4	580	C	23.4	580	C	3.6	597	C	3.5	597	C	4.1	597	C	7.3	597	C	8.	597	C	7.1	597	C	6.7	597	C	4.5	597
140	C	11.6	555	C	11.7	555	C	11.7	555	C	3.4	570	C	3.3	570	C	3.8	570	C	5.	570	C	5.6	570	C	6.4	653	C	7.5	653	C	2.8	653
141	C	15.9	223	C	15.1	223	C	14.8	223	C	0.3	223	C	0.3	223	C	0.4	223	C	1.3	379	C	0.6	223	C	0.5	223	C	0.4	204	C	0.6	209
142	C	4.1	60	C	10.	60	C	10.	60	C	0.	60	C	0.	60	C	0.	60	C	0.	60	C	0.	60	C	0.	60	C	0.	60	C	0.	60
143	C	4.2	51	C	10.	51	C	10.	51	C	0.	51	C	0.	51	C	0.	51	C	0.	51	C	0.1	51	C	0.	51	C	0.	51	C	0.	51
144	C	4.2	42	C	7.4	42	C	7.2	42	C	0.	42	C	0.	42	C	0.	42	C	0.	42	C	0.	42	C	0.	42	C	0.	42	C	0.	42
145	A	0.6	253	A	0.4	253	A	0.4	253	A	0.5	253	A	0.4	253	A	0.5	253	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
146	A	0.9	396	A	0.7	396	A	0.7	396	A	1.1	396	A	0.9	396	A	1.4	396	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
147	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
148	A	0.5	159	A	0.3	159	A	0.2	159	A	0.1	159	A	0.1	159	A	0.1	159	A	0.2	159	A	0.2	159	A	0.2	159	A	0.2	159	A	0.6	178
149	C	0.4	166	F	0	0	F	0	0	F	0	0	B	99.	5685	F	0	0	F	0	0	F	0	0	B	56.3	6081	F	0	0	B	24.8	6007
150	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65
151	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
152	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32
153	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15
154	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.1	65	A	0.1	65	A	0.	89	A	0.	89	A	0.	89
155	A	0.	98	A	0.	98	A	0.	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	128	A	0.1	128	A	0.	128
156	A	0.3	111	A	0.3	111	A	0.3	111	A	0.3	112	A	0.2	112	A	0.2	112	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91
157	A	0.4	92	A	0.3	92	A	0.3	92	A	0.2	101	A	0.2	101	A	0.2	101	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80
158	A	0.2	89	A	0.1	89	A	0.1	89	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	69	A	0.1	69	A	0.1	69	A	0.	69	A	0.	69
159	A	0.3	40	A	0.2	40	A	0.2	40	A	0.	39	A	0.	39	A	0.1	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39
160	A	0.4	133	A	0.3	133	A	0.3	133	A	0.2	134	A	0.2	134	A	0.3	134	A	0.1	113	A	0.1	113	A	0.1	113	A	0.1	113	A	0.1	113
161	A	0.4	114	A	0.4	114	A	0.4	114	A	0.2	123	A	0.2	123	A	0.2	123	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102
162	A	0.2	72	A	0.2	72	A	0.2	72	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.	60	A	0.	60	A	0.	60
163	A	0.5	71	A	0.5	71	A	0.5	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.	71	A	0.	71
164	A	0.6	82	A	0.6	82	A	0.6	82	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1	82	A	0.	82	A	0.	82
165	A	0.5	103	A	0.5	103	A	0.5	103	A	0.1	87	A	0.1	87	A	0.1	87	A	0.1	87	A	0.1	87	A	0.1	87	A	0.1	87	A	0.1	87
166	A	0.6	60	A	0.6	60	A	0.6	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.	60

Table 28 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
167	A	0.1	46	A	0.1	46	A	0.1	46	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32
168	B	0.	34	B	0.1	34	B	0.1	34	B	0.1	44	B	0.1	44	B	0.1	44	B	0.	54	B	0.	54	B	0.	54	B	0.	54	B	0.	54
169	A	0.1	57	A	0.1	57	A	0.1	57	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47
170	A	0.4	74	A	0.3	74	A	0.3	74	A	0.1	100	A	0.1	100	A	0.2	100	A	0.1	62	A	0.1	62	A	0.1	70	A	0.1	70	A	0.1	70
171	A	0.3	42	A	0.2	42	A	0.2	42	A	0.	47	A	0.	47	A	0.	47	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42
172	A	0.4	53	A	0.3	53	A	0.3	53	A	0.1	58	A	0.1	58	A	0.1	58	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53
173	A	0.5	115	A	0.5	115	A	0.5	115	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	115
174	A	0.7	148	A	0.7	148	A	0.7	148	A	0.1	148	A	0.1	148	A	0.1	148	A	0.1	148	A	0.1	148	A	0.1	148	A	0.1	148	A	0.1	148
175	B	0.1	34	B	0.1	34	B	0.1	34	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16
176	A	0.3	48	A	0.1	53	A	0.1	53	A	0.1	53	A	0.	53	A	0.1	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53
177	A	0.1	98	A	0.2	98	A	0.2	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98
178	A	0.2	113	A	0.3	113	A	0.3	113	A	0.2	111	A	0.1	111	A	0.2	111	A	0.2	111	A	0.2	111	A	0.2	111	A	0.2	111	A	0.1	111
179	A	0.3	62	A	0.2	62	A	0.2	62	A	0.1	62	A	0.1	62	A	0.1	62	A	0.	62	A	0.1	62	A	0.	62	A	0.	62	A	0.	62
180	A	0.1	51	A	0.2	51	A	0.2	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51
181	A	0.3	134	A	0.5	151	A	0.5	151	A	0.3	134	A	0.2	134	A	0.3	134	A	0.3	134	A	0.3	134	A	0.3	134	A	0.2	134	A	0.2	134
182	A	0.1	59	A	0.1	56	A	0.1	56	A	0.1	59	A	0.1	59	A	0.1	59	A	0.	59	A	0.1	59	A	0.	59	A	0.	59	A	0.	59
183	A	0.3	86	A	0.1	86	A	0.1	86	A	0.1	86	A	0.	86	A	0.1	86	A	0.	86	A	0.	86	A	0.	86	A	0.	86	A	0.	86
184	A	0.4	122	A	0.2	122	A	0.2	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122
185	A	0.1	43	A	0.3	43	A	0.3	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43
186	A	0.4	125	A	0.5	125	A	0.5	125	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	128
187	A	0.1	63	A	0.2	63	A	0.2	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.	63	A	0.	63	A	0.	63
188	A	0.2	69	A	0.3	101	A	0.3	101	C	0.1	54	C	0.1	54	C	0.1	54	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78
189	A	0.4	76	A	0.3	74	A	0.3	74	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66
190	A	0.2	68	A	0.4	68	A	0.4	68	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.	60	A	0.	60
191	A	0.1	35	A	0.3	43	A	0.3	43	A	0.1	35	A	0.1	35	A	0.1	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35
192	A	0.1	30	A	0.3	38	A	0.3	38	A	0.1	30	A	0.	30	A	0.1	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30
193	A	0.5	142	A	0.5	142	A	0.5	142	C	0.1	60	C	0.1	60	C	0.1	60	C	0.1	81	C	0.1	81	C	0.1	81	C	0.	81	C	0.	81
194	A	0.7	35	A	0.2	35	A	0.2	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35
195	A	1.4	57	A	0.5	57	A	0.5	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57
196	A	0.8	59	A	0.2	59	A	0.2	59	A	0.1	59	A	0.	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.	59	A	0.	59
197	A	0.5	86	A	0.2	86	A	0.2	86	A	0.1	86	A	0.1	86	A	0.1	86	A	0.2	112	A	0.3	112	A	0.2	111	A	0.1	111	A	0.1	111
198	A	0.5	76	A	0.3	76	A	0.3	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76
199	B	0.5	134	B	0.2	134	B	0.2	134	B	0.1	134	B	0.1	134	B	0.1	134	B	0.1	150	B	0.2	150	B	0.1	153	B	0.1	153	B	0.1	153
200	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28

Table 28 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
201	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38
202	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.	59	A	0.	59
203	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.	59	A	0.	59
204	A	0.	111	A	0.	111	A	0.	111	A	0.1	111	A	0.	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111
205	A	0.	80	A	0.	80	A	0.	80	A	0.1	80	A	0.	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80
206	A	0.	79	A	0.	79	A	0.	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79
207	A	0.	72	A	0.	72	A	0.	72	A	0.1	72	A	0.	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72
208	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33
209	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65
210	A	0.1	155	A	0.1	155	A	0.	155	A	0.1	155	A	0.1	155	A	0.1	155	A	0.1	155	A	0.1	155	A	0.1	155	A	0.1	155	A	0.1	155
211	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.2	79	A	0.1	79	A	0.1	79	A	0.1	79
212	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65
213	A	0.	89	A	0.	89	A	0.	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89
214	A	0.2	140	A	0.2	140	A	0.2	140	A	0.3	140	A	0.3	140	A	0.6	140	A	0.7	140	A	0.8	140	A	0.6	140	A	0.5	140	A	0.4	140
215	A	1.4	151	A	1.4	151	A	1.4	151	A	1.	203	A	0.9	203	A	1.	203	A	0.2	147	A	0.2	147	A	0.2	149	A	0.2	149	A	0.2	149
216	A	0.8	101	A	0.7	101	A	0.6	101	A	0.4	140	A	0.3	140	A	0.5	140	A	0.1	98	A	0.2	98	A	0.2	98	A	0.1	98	A	0.1	98
217	A	10.2	103	A	10.1	103	A	10.2	103	A	0.2	103	A	0.2	103	A	0.2	103	A	0.2	145	A	0.2	145	A	0.2	145	A	0.2	145	A	0.2	145
218	A	0.9	124	A	0.8	124	A	0.8	124	A	0.1	103	A	0.1	103	A	0.1	103	A	0.3	165	A	0.3	165	A	0.3	165	A	0.3	165	A	0.3	165
219	A	10.2	162	A	10.2	162	A	10.2	162	A	0.3	162	A	0.2	162	A	0.3	162	A	0.5	154	A	0.5	154	A	0.5	154	A	0.4	154	A	0.4	154
220	A	10.	38	A	10.	38	A	10.	38	A	0.	38	A	0.	38	A	0.	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38
221	A	10.	62	A	10.	62	A	10.	62	A	0.	62	A	0.	62	A	0.	62	A	0.1	62	A	0.1	62	A	0.1	62	A	0.1	62	A	0.1	62
222	A	10.1	110	A	10.	110	A	10.	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.2	110	A	0.3	110	A	0.2	110	A	0.2	110	A	0.2	110
223	A	3.3	92	A	3.3	92	A	3.3	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.2	92	A	0.2	92	A	0.2	92	A	0.2	92	A	0.2	92
224	A	1.3	172	A	1.2	172	A	1.3	172	A	0.2	150	A	0.2	150	A	0.3	150	A	0.3	213	A	0.4	213	A	0.3	197	A	0.3	197	A	0.2	197
225	C	10.	62	C	10.	62	C	10.	62	C	0.	62	C	0.	62	C	0.1	62	A	0.4	171	A	0.4	171	A	0.7	162	A	0.6	162	A	0.5	162
226	C	10.1	62	C	10.1	62	C	10.1	62	C	0.	62	C	0.	62	C	0.	62	A	0.5	207	A	0.6	207	A	0.7	196	A	0.8	196	A	0.5	196
227	C	10.	62	C	10.	62	C	10.	62	C	0.	62	C	0.	62	C	0.	62	A	0.7	227	A	0.7	227	A	0.9	211	A	1.4	211	A	0.7	211
228	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16
229	A	0.7	93	A	0.7	93	A	0.7	93	A	0.5	139	A	0.4	139	A	0.5	139	A	0.3	89	A	0.3	89	A	0.2	102	A	0.2	102	A	0.1	102
230	A	0.8	88	A	0.8	88	A	0.8	88	A	0.4	142	A	0.3	142	A	0.4	142	A	0.2	84	A	0.2	84	A	0.2	97	A	0.2	97	A	0.1	97
231	A	0.7	42	A	0.7	42	A	0.7	42	A	0.	42	A	0.	42	A	0.	42	A	0.1	42	A	0.1	42	A	0.1	42	A	0.1	42	A	0.1	42
232	B	5.3	1623	B	6.	1624	B	5.9	1624	C	0.	62	C	0.	62	C	0.	62	A	0.7	154	A	0.8	154	A	0.7	154	A	0.7	154	A	0.5	154
233	A	0.	45	A	0.	45	A	0.	45	A	0.	45	A	0.	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.	45
234	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43

Table 28 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
235	A	0.1	92	A	0.1	78	A	0.1	78	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92
236	A	0.1	91	A	0.1	78	A	0.1	78	A	0.1	91	A	0.	91	A	0.1	91	A	0.2	73	A	0.2	73	A	0.2	73	A	0.1	73	A	0.1	73
237	A	0.1	158	A	0.1	133	A	0.1	133	A	0.1	83	A	0.1	83	A	0.1	83	A	0.1	158	A	0.1	158	A	0.1	158	A	0.1	158	A	0.1	158
238	C	0.3	206	C	0.4	217	C	0.4	217	A	0.2	131	A	0.2	131	A	0.2	131	A	0.3	162	A	0.3	162	A	0.3	162	A	0.3	162	A	0.3	162
239	C	0.3	213	C	0.3	219	C	0.3	219	C	0.1	56	C	0.1	56	C	0.1	56	A	0.3	142	A	0.3	142	A	0.3	142	A	0.3	142	A	0.2	142
240	C	0.5	195	C	0.7	230	C	0.7	230	C	0.1	83	C	0.1	83	C	0.1	83	A	0.3	143	A	0.4	143	A	0.3	143	A	0.3	143	A	0.3	143
241	C	0.2	205	C	0.4	223	C	0.4	223	C	0.	57	C	0.	57	C	0.1	57	A	0.2	143	A	0.2	143	A	0.2	143	A	0.2	143	A	0.1	143
242	C	0.6	230	C	0.7	268	C	0.7	268	C	0.1	57	C	0.1	57	C	0.1	57	A	0.5	167	A	0.5	167	A	0.5	167	A	0.6	167	A	0.4	167
243	C	1.2	272	C	1.6	292	C	1.7	292	C	0.2	145	C	0.2	145	C	0.2	145	A	1.1	210	A	1.2	210	A	1.1	210	A	1.3	210	A	0.7	210
244	C	1.1	232	C	1.6	267	C	1.6	267	C	0.1	77	C	0.1	77	C	0.2	77	A	0.6	170	A	0.7	170	A	0.6	170	A	0.6	170	A	0.5	170
245	C	0.7	232	C	0.9	266	C	0.9	266	C	0.1	59	C	0.	59	C	0.1	59	A	0.8	170	A	0.8	170	A	0.7	169	A	0.7	169	A	0.5	169
246	A	0.2	110	A	0.2	112	A	0.2	112	A	0.1	182	A	0.1	182	A	0.1	182	A	0.2	169	A	0.2	169	A	0.2	169	A	0.1	169	A	0.1	169
247	A	0.1	98	A	0.2	100	A	0.2	100	A	0.	148	A	0.	148	A	0.1	148	A	0.1	154	A	0.1	154	A	0.1	154	A	0.	154	A	0.	154
248	A	0.1	76	A	0.1	78	A	0.1	78	C	0.	32	C	0.	32	C	0.	32	A	0.1	114	A	0.	114	A	0.	114	A	0.	114	A	0.	114
249	C	10.1	99	C	10.1	99	C	10.1	99	C	0.1	99	C	0.1	99	C	0.1	99	C	0.9	193	C	1.	193	C	1.3	193	C	1.5	193	C	1.	193
250	C	10.	99	C	10.	99	C	10.	99	C	0.1	99	C	0.1	99	C	0.1	99	C	0.7	170	C	0.7	170	C	0.6	170	C	0.6	170	C	0.5	170
251	C	10.1	109	C	10.1	109	C	10.1	109	C	0.1	109	C	0.1	109	C	0.1	109	C	0.8	195	C	0.8	195	C	0.9	196	C	0.9	196	C	0.7	196
252	C	2.8	109	C	5.3	109	C	5.3	109	C	0.1	109	C	0.1	109	C	0.1	109	C	1.2	213	C	1.3	213	C	1.3	217	C	1.4	217	C	1.	217
253	C	10.	101	C	10.	101	C	10.	101	C	0.1	101	C	0.1	101	C	0.1	101	C	1.5	255	C	1.6	255	C	1.5	255	C	1.8	255	C	1.2	255
254	C	10.1	109	C	10.1	109	C	10.1	109	C	0.1	109	C	0.1	109	C	0.1	109	C	1.2	251	C	1.3	251	C	1.2	251	C	1.3	251	C	0.9	251
255	C	10.1	109	C	10.1	109	C	10.1	109	C	0.1	109	C	0.1	109	C	0.1	109	C	1.7	254	C	1.8	254	C	1.7	244	C	1.7	244	C	1.4	244
256	C	10.1	111	C	10.1	111	C	10.1	111	C	0.1	111	C	0.1	111	C	0.2	111	C	2.2	248	C	2.3	248	C	2.	248	C	1.9	248	C	1.6	248
257	C	10.	91	C	10.	91	C	10.	91	C	0.1	91	C	0.1	91	C	0.1	91	C	0.2	151	C	0.2	151	C	0.2	151	C	0.2	151	C	0.2	151
258	C	0.3	76	C	10.	76	C	10.	76	C	0.	76	C	0.	76	C	0.	76	A	0.3	79	A	0.3	79	A	0.3	79	A	0.3	79	A	0.2	79
259	C	10.1	122	C	10.1	122	C	10.1	122	C	0.2	122	C	0.2	122	C	0.2	122	C	2.1	258	C	2.2	258	C	2.	258	C	1.8	258	C	1.6	258
260	C	10.1	122	C	10.1	122	C	10.1	122	C	0.2	122	C	0.1	122	C	0.2	122	C	1.5	194	C	1.6	194	C	1.5	194	C	1.6	194	C	1.2	194
261	C	10.	99	C	10.	99	C	10.	99	C	0.1	99	C	0.1	99	C	0.1	99	C	1.2	222	C	1.2	222	C	1.	213	C	1.1	213	C	0.8	213
262	C	0.7	125	C	10.1	125	C	10.1	125	C	0.1	125	C	0.1	125	C	0.1	125	A	0.4	120	A	0.4	120	A	0.4	120	A	0.4	120	A	0.3	120
263	C	0.9	40	C	10.	40	C	10.	40	C	0.	40	C	0.	40	C	0.	40	A	0.2	110	A	0.2	110	A	0.2	110	A	0.2	110	A	0.2	110
264	C	0.9	40	C	10.	40	C	10.	40	C	0.	40	C	0.	40	C	0.	40	A	0.2	119	A	0.3	119	A	0.3	119	A	0.3	119	A	0.2	119
265	A	2.8	50	A	4.9	50	A	4.8	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.2	50	A	0.2	50	A	0.2	50	A	0.1	50	A	0.1	50
266	C	10.1	112	C	10.1	112	C	10.1	112	C	0.1	112	C	0.1	112	C	0.1	112	C	0.6	179	C	0.6	179	C	0.5	178	C	0.5	178	C	0.4	178
267	A	10.1	104	A	10.1	104	A	10.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.5	170	A	0.6	170	A	0.5	170	A	0.4	170	A	0.4	170
268	A	0.4	103	A	0.2	103	A	0.2	103	A	0.1	103	A	0.1	103	A	0.1	103	B	0.3	321	B	0.3	321	B	0.3	321	B	0.2	321	B	0.2	321

Table 28 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
269	A	0.3	68	A	0.1	68	A	0.1	68	A	0.	68	A	0.	68	A	0.	68	B	0.3	186	B	0.4	186	B	0.3	186	B	0.3	186	B	0.3	186
270	A	0.4	105	A	0.3	105	A	0.3	105	A	0.1	105	A	0.1	105	A	0.1	105	A	0.2	110	A	0.2	110	A	0.2	110	A	0.1	110	A	0.1	110
271	A	0.4	102	A	0.3	102	A	0.3	102	A	0.1	102	A	0.	102	A	0.1	102	A	0.1	107	A	0.1	107	A	0.1	107	A	0.1	107	A	0.1	107
272	A	1.	92	A	0.6	92	A	0.5	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92
273	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19
274	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54
275	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	14	A	0.	14	A	0.	14
276	A	0.	165	A	0.	165	A	0.	165	A	0.1	165	A	0.1	165	A	0.1	165	A	0.1	165	A	0.1	165	A	0.1	165	A	0.1	165	A	0.1	165
277	A	0.	144	A	0.	144	A	0.	144	A	0.1	144	A	0.1	144	A	0.1	144	A	0.1	144	A	0.1	144	A	0.1	144	A	0.1	144	A	0.1	144
278	B	0.1	771	B	0.1	771	B	0.1	771	B	0.1	771	B	0.1	771	B	0.1	771	B	0.2	771	B	0.2	771	B	0.2	771	B	0.1	771	B	0.1	771
279	B	0.1	277	B	0.1	277	B	0.1	277	B	0.1	277	B	0.1	277	B	0.1	277	B	0.2	277	B	0.2	277	B	0.2	277	B	0.1	277	B	0.1	277
280	A	0.1	277	A	0.1	277	A	0.1	277	A	0.1	277	A	0.1	277	A	0.2	277	A	0.2	277	A	0.2	277	A	0.2	277	A	0.1	277	A	0.1	277
281	A	0.	166	A	0.	166	A	0.	166	A	0.1	166	A	0.1	166	A	0.1	166	A	0.1	166	A	0.1	166	A	0.1	166	A	0.1	166	A	0.1	166
282	A	0.	72	A	0.	72	A	0.	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72
283	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31
284	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53
285	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14
286	A	0.1	121	A	0.1	121	A	0.1	121	A	0.1	121	A	0.1	121	A	0.1	121	A	0.2	121	A	0.2	121	A	0.2	121	A	0.2	121	A	0.2	121
287	A	0.1	167	A	0.1	167	A	0.1	167	A	0.1	167	A	0.1	167	A	0.1	167	A	0.2	167	A	0.2	167	A	0.2	167	A	0.2	167	A	0.2	167
288	A	1.	111	A	1.	111	A	1.	111	A	0.	111	A	0.	111	A	0.	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.	111
289	B	0.7	245	B	0.7	245	B	0.7	245	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50
290	A	1.	92	A	1.	92	A	1.	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92
291	A	1.1	131	A	1.	131	A	1.	131	A	0.1	131	A	0.1	131	A	0.1	131	A	0.1	131	A	0.1	131	A	0.1	131	A	0.1	131	A	0.1	131
292	A	1.	104	A	1.	104	A	1.	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104
293	A	1.1	253	A	1.1	253	A	1.1	253	A	0.1	253	A	0.1	253	A	0.1	253	A	0.1	253	A	0.2	253	A	0.2	253	A	0.1	253	A	0.1	253
294	A	1.1	243	A	1.1	243	A	1.1	243	A	0.1	243	A	0.1	243	A	0.2	243	A	0.3	243	A	0.3	243	A	0.3	243	A	0.2	243	A	0.2	243
295	A	0.2	81	A	0.3	81	A	0.3	81	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33
296	A	0.2	81	A	0.2	81	A	0.2	81	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33
297	B	0.5	398	B	0.5	398	B	0.5	398	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27
298	A	1.1	97	A	1.	97	A	1.	97	A	0.1	97	A	0.1	97	A	0.1	97	A	0.1	97	A	0.1	97	A	0.1	97	A	0.1	97	A	0.1	97
299	B	0.5	159	B	0.6	159	B	0.6	159	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	37
300	A	1.1	163	A	1.1	163	A	1.1	163	A	0.1	163	A	0.1	163	A	0.1	163	A	0.2	163	A	0.2	163	A	0.2	163	A	0.2	163	A	0.1	153
301	A	1.1	167	A	1.1	167	A	1.1	167	A	0.1	167	A	0.1	167	A	0.1	167	A	0.2	167	A	0.2	167	A	0.2	167	A	0.2	167	A	0.1	174
302	A	1.	35	A	1.	35	A	1.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35

Table 28 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
303	A	0.1	38	A	0.2	38	A	0.2	38	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	33
304	A	0.1	61	A	0.1	61	A	0.	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61
305	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.	61	A	0.	61
306	A	0.1	154	A	0.1	154	A	0.1	154	A	0.1	101	A	0.1	101	A	0.1	101	A	0.1	154	A	0.2	154	A	0.1	154	A	0.1	154	A	0.1	154
307	A	0.1	154	A	0.1	154	A	0.1	154	A	0.1	101	A	0.1	101	A	0.1	101	A	0.2	98	A	0.2	98	A	0.2	98	A	0.2	98	A	0.1	98
308	A	0.2	290	A	0.1	290	A	0.1	290	A	0.1	145	A	0.1	145	A	0.2	145	A	0.3	220	A	0.3	220	A	0.3	220	A	0.3	220	A	0.2	220
309	A	0.2	69	A	0.2	69	A	0.2	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70
310	A	0.3	125	A	0.3	125	A	0.3	125	C	0.	50	C	0.	50	C	0.	50	A	0.3	125	A	0.3	125	A	0.3	125	A	0.2	125	A	0.2	125
311	A	2.1	436	A	2.	434	A	2.	434	C	0.	52	C	0.	52	C	0.	52	A	0.8	249	A	0.9	249	A	1.	231	A	1.1	231	A	0.8	231
312	A	0.	45	A	0.	48	A	0.	48	A	0.	45	A	0.	45	A	0.	45	A	0.	46	A	0.1	46	A	0.	46	A	0.	46	A	0.	46
313	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48
314	A	0.1	119	A	0.1	119	A	0.1	119	A	0.1	119	A	0.1	119	A	0.1	119	A	0.2	92	A	0.2	92	A	0.2	92	A	0.1	92	A	0.1	92
315	A	0.1	118	A	0.1	118	A	0.1	118	A	0.1	118	A	0.1	118	A	0.1	118	A	0.2	98	A	0.2	98	A	0.2	98	A	0.1	98	A	0.1	98
316	A	0.1	235	A	0.1	235	A	0.1	235	A	0.2	235	A	0.2	235	A	0.2	235	A	0.3	141	A	0.3	141	A	0.3	141	A	0.3	141	A	0.3	141
317	A	0.7	235	A	0.8	241	A	0.8	241	C	0.	67	C	0.	67	C	0.	67	A	1.2	188	A	1.3	188	A	1.2	188	A	1.4	188	A	0.9	188
318	A	0.9	188	A	0.9	192	A	0.9	192	C	0.	67	C	0.	67	C	0.	67	A	0.5	169	A	0.6	169	A	0.5	160	A	0.6	160	A	0.4	160
319	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15
320	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14
321	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11
322	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15
323	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
324	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21
325	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
326	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16
327	A	0.	5	A	0.	5	A	0.	5	A	0.	5	A	0.	5	A	0.	5	A	0.	5	A	0.	5	A	0.	5	A	0.	5	A	0.	5
328	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
329	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
330	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15
331	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
332	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
333	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
334	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
335	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
336	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17

Table 28 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
337	A	0.3	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95
338	A	0.3	75	A	0.1	75	A	0.1	75	A	0.	75	A	0.	75	A	0.	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75
339	A	0.3	54	A	0.1	54	A	0.1	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	55	A	0.	55	A	0.	55
340	A	0.3	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
341	A	0.	25	A	0.	25	A	0.	25	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26
342	B	0.	84	B	0.	84	B	0.	84	B	0.	84	B	0.	84	B	0.	84	B	0.	84	B	0.	84	B	0.	84	B	0.	84	B	0.	84
343	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25
344	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26
345	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27
346	B	0.	189	B	0.	189	B	0.	189	B	0.	189	B	0.	189	B	0.	189	B	0.1	189	B	0.	189	B	0.	189	B	0.	189	B	0.	189
347	A	0.	79	A	0.	79	A	0.	79	A	0.	79	A	0.	79	A	0.	79	A	0.	79	A	0.	79	A	0.	79	A	0.	79	A	0.	79
348	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	56	A	0.	56	A	0.	56
349	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56
350	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58
351	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57
352	B	0.1	276	B	0.1	276	B	0.1	276	B	0.1	276	B	0.1	276	B	0.1	276	B	0.1	276	B	0.1	276	B	0.1	276	B	0.1	276	B	0.1	276
353	B	0.	235	B	0.	235	B	0.	235	B	0.1	235	B	0.1	235	B	0.1	235	B	0.1	235	B	0.1	235	B	0.1	235	B	0.1	235	B	0.1	235
354	B	0.	217	B	0.	217	B	0.	217	B	0.	217	B	0.	217	B	0.	217	B	0.	217	B	0.	217	B	0.	217	B	0.	217	B	0.	217
355	A	0.	161	A	0.	161	A	0.	161	A	0.	161	A	0.	161	A	0.	161	A	0.	161	A	0.	161	A	0.	161	A	0.	161	A	0.	161
356	B	0.	91	B	0.	91	B	0.	91	B	0.	91	B	0.	91	B	0.1	91	B	0.1	91	B	0.1	91	B	0.1	91	B	0.	91	B	0.	91
357	A	0.	97	A	0.	97	A	0.	97	A	0.	97	A	0.	97	A	0.1	97	A	0.1	97	A	0.1	97	A	0.1	97	A	0.	97	A	0.	97
358	A	0.	167	A	0.	167	A	0.	167	A	0.1	167	A	0.1	167	A	0.1	167	A	0.1	167	A	0.1	167	A	0.1	167	A	0.1	167	A	0.1	167
359	A	0.	115	A	0.	115	A	0.	115	A	0.	115	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	115
360	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53
361	A	0.	114	A	0.	114	A	0.	114	A	0.	114	A	0.1	114	A	0.1	114	A	0.1	114	A	0.1	114	A	0.1	114	A	0.1	114	A	0.	114
362	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53
363	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14
364	A	0.	67	A	0.	67	A	0.	67	A	0.1	67	A	0.	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	82	A	0.1	82	A	0.	82
365	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	128	A	0.2	128	A	0.2	128	A	0.2	128	A	0.2	128	A	0.1	128
366	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.	160	B	0.1	160	B	0.1	160	B	0.1	160	B	0.1	160	B	0.1	160	B	0.	160
367	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59
368	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.1	61	A	0.1	61	A	0.	61	A	0.	61
369	B	0.1	255	B	0.	255	B	0.	255	B	0.1	255	B	0.1	255	B	0.1	255	B	0.1	255	B	0.1	255	B	0.1	255	B	0.1	255	B	0.1	255
370	A	0.	123	A	0.	123	A	0.	123	A	0.	123	A	0.1	123	A	0.1	123	A	0.1	123	A	0.1	123	A	0.1	123	A	0.	123	A	0.	123



Table 28 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
371	A	0.	129	A	0.	129	A	0.	129	A	0.1	129	A	0.	129	A	0.1	129	A	0.1	129	A	0.1	129	A	0.1	129	A	0.1	129	A	0.1	129
372	A	0.	92	A	0.	92	A	0.	92	A	0.	92	A	0.	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	99	A	0.1	99	A	0.	99
373	A	0.	103	A	0.	103	A	0.	103	A	0.	103	A	0.	103	A	0.1	103	A	0.1	103	A	0.1	103	A	0.1	103	A	0.	103	A	0.	103
374	A	0.1	135	A	0.	135	A	0.	135	A	0.1	135	A	0.1	135	A	0.1	135	A	0.1	135	A	0.1	135	A	0.1	135	A	0.1	135	A	0.1	135
375	A	0.	139	A	0.	139	A	0.	139	A	0.1	139	A	0.1	139	A	0.1	139	A	0.1	139	A	0.1	139	A	0.1	139	A	0.1	139	A	0.1	139
376	A	0.1	201	A	0.1	201	A	0.1	201	A	0.2	201	A	0.2	201	A	0.3	201	A	0.4	201	A	0.4	201	A	0.4	201	A	0.3	201	A	0.3	201
377	A	0.1	259	A	0.1	259	A	0.1	259	A	0.1	259	A	0.1	259	A	0.1	259	A	0.2	259	A	0.2	259	A	0.2	259	A	0.1	259	A	0.1	259
378	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.	65	A	0.	65
379	A	0.1	117	A	0.1	117	A	0.1	117	A	0.1	117	A	0.1	117	A	0.1	117	A	0.2	117	A	0.2	117	A	0.1	124	A	0.1	124	A	0.1	124
380	A	0.2	112	A	0.2	112	A	0.2	112	A	0.9	155	A	0.8	155	A	0.9	155	A	0.3	133	A	0.3	133	A	0.3	133	A	0.2	133	A	0.2	133
381	A	0.2	81	A	0.2	81	A	0.2	81	A	0.	61	A	0.	61	A	0.	61	A	0.1	81	A	0.1	81	A	0.1	81	A	0.1	81	A	0.1	81
382	A	0.5	94	A	0.4	94	A	0.5	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.2	94	A	0.2	94	A	0.2	94	A	0.2	94	A	0.1	94
383	A	1.2	138	A	1.2	138	A	1.2	138	A	0.1	138	A	0.1	138	A	0.1	138	A	0.2	138	A	0.2	138	A	0.2	138	A	0.2	138	A	0.2	138
384	A	2.1	735	A	2.1	735	A	2.1	735	B	6.8	1439	B	6.8	1439	B	6.9	1439	A	2.2	748	A	2.3	748	A	2.1	748	A	5.	748	A	1.6	748
385	A	1.	437	A	1.1	437	A	1.	437	B	6.2	1199	B	6.2	1199	B	6.2	1199	A	1.2	450	A	1.2	450	A	1.1	450	A	2.1	450	A	0.9	450
386	A	0.2	136	A	0.2	136	A	0.2	136	A	0.2	203	A	0.2	203	A	0.3	203	A	0.2	156	A	0.2	156	A	0.2	156	A	0.2	156	A	0.1	156
387	A	0.5	234	A	0.5	234	A	0.5	234	C	0.1	100	C	0.1	100	C	0.1	100	A	0.6	249	A	0.7	249	A	0.6	249	A	0.6	249	A	0.4	249
388	A	0.2	143	A	0.2	143	A	0.2	143	C	0.1	93	C	0.1	93	C	0.1	93	A	0.3	162	A	0.3	162	A	0.3	162	A	0.2	162	A	0.2	162
389	A	0.4	258	A	0.3	258	A	0.3	258	A	0.1	258	A	0.1	258	A	0.1	258	A	0.6	179	A	0.6	179	A	0.6	179	A	0.5	179	A	0.4	179
390	A	0.1	59	A	0.1	59	A	0.1	59	A	0.	59	A	0.	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59
391	A	0.3	259	A	0.3	259	A	0.3	259	A	0.1	259	A	0.1	259	A	0.2	259	A	0.8	203	A	0.9	203	A	0.8	203	A	0.6	203	A	0.5	203
392	C	0.	95	C	0.	95	C	0.	95	C	0.1	95	C	0.	95	C	0.1	95	C	0.1	90	C	0.1	90	C	0.1	90	C	0.1	90	C	0.1	90
393	A	0.	35	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34
394	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111
395	A	0.2	135	A	0.1	135	A	0.1	135	A	0.1	135	A	0.1	135	A	0.2	135	A	0.2	135	A	0.2	135	A	0.1	135	A	0.1	135	A	0.1	135
396	A	0.2	102	A	0.2	102	A	0.2	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.2	102	A	0.2	102	A	0.2	108	A	0.1	108	A	0.1	108
397	A	0.1	83	A	0.1	83	A	0.1	83	A	0.	83	A	0.	83	A	0.1	83	A	0.1	83	A	0.1	83	A	0.1	83	A	0.1	83	A	0.1	83
398	A	0.1	91	A	0.1	91	A	0.1	91	C	0.	55	C	0.	55	C	0.	55	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91
399	A	0.3	189	A	0.3	189	A	0.3	189	C	0.	57	C	0.	57	C	0.	57	A	0.7	178	A	0.7	178	A	0.4	182	A	0.4	182	A	0.3	182
400	A	0.2	101	A	0.2	100	A	0.2	100	A	0.1	101	A	0.1	101	A	0.1	101	A	0.2	102	A	0.2	102	A	0.2	102	A	0.1	102	A	0.1	102
401	A	0.3	156	A	0.3	156	A	0.3	156	C	0.	59	C	0.	59	C	0.	59	A	0.3	156	A	0.3	156	A	0.3	156	A	0.2	156	A	0.2	156
402	A	0.4	200	A	0.4	200	A	0.4	200	C	0.	59	C	0.	59	C	0.	59	A	0.6	177	A	0.6	177	A	0.6	177	A	0.5	177	A	0.4	177
403	A	0.6	250	A	0.6	250	A	0.6	250	C	0.	61	C	0.	61	C	0.	61	A	0.4	239	A	0.4	239	A	0.5	211	A	0.4	211	A	0.4	211
404	A	0.3	125	A	0.3	125	A	0.3	125	C	0.	59	C	0.	59	C	0.	59	A	0.3	125	A	0.3	125	A	0.2	147	A	0.2	147	A	0.2	147

Table 28 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
405	A	0.6	257	A	0.8	257	A	0.8	257	C	0.	61	C	0.	61	C	0.	61	A	0.9	216	A	1.	216	A	0.9	216	A	0.8	216	A	0.6	216
406	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.1	37	A	0.	37	A	0.	37	A	0.	37
407	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.2	88	A	0.1	88	A	0.1	88	A	0.1	88
408	A	1.	236	A	0.9	242	A	0.9	242	C	0.1	83	C	0.1	83	C	0.1	83	A	0.7	231	A	0.7	231	A	0.7	231	A	0.7	231	A	0.5	231
409	A	0.5	184	A	0.4	184	A	0.4	184	C	0.1	83	C	0.1	83	C	0.1	83	A	0.4	184	A	0.4	184	A	0.4	184	A	0.3	184	A	0.3	184
410	A	0.1	131	A	0.1	131	A	0.1	131	A	0.1	131	A	0.1	131	A	0.1	131	A	0.2	131	A	0.2	131	A	0.2	131	A	0.1	131	A	0.1	131
411	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.	54	A	0.	54
412	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35
413	A	0.3	189	A	0.4	195	A	0.4	195	C	0.	81	C	0.	81	C	0.	81	A	0.5	192	A	0.6	192	A	0.5	192	A	0.6	192	A	0.4	192
414	A	1.1	288	A	1.	282	A	1.1	282	C	0.	81	C	0.	81	C	0.	81	A	1.6	246	A	1.5	246	A	1.5	246	A	1.7	246	A	1.	246
415	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.1	53	A	0.1	53	A	0.1	53	A	0.1	53	A	0.1	53	A	0.	53
416	A	0.3	107	A	0.1	107	A	0.1	107	A	0.1	107	A	0.1	107	A	0.1	107	A	0.2	97	A	0.2	97	A	0.2	97	A	0.1	97	A	0.1	97
417	A	0.2	96	A	0.	96	A	0.	96	A	0.	96	A	0.	96	A	0.	96	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90
418	A	0.3	95	A	0.1	95	A	0.1	95	A	0.	95	A	0.	95	A	0.	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95
419	A	0.	104	A	0.	104	A	0.	104	A	0.	104	A	0.	104	A	0.	104	A	0.	104	A	0.	104	A	0.	104	A	0.	104	A	0.	104
420	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20
421	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50
422	A	0.1	176	A	0.	176	A	0.	176	A	0.1	176	A	0.1	176	A	0.1	176	A	0.1	176	A	0.1	176	A	0.1	176	A	0.1	176	A	0.1	176
423	A	0.1	176	A	0.1	176	A	0.1	176	A	0.1	176	A	0.1	176	A	0.1	176	A	0.2	176	A	0.2	176	A	0.2	176	A	0.1	176	A	0.1	176
424	A	0.1	372	A	0.1	372	A	0.1	372	A	0.1	372	A	0.1	372	A	0.2	372	A	0.2	372	A	0.2	372	A	0.2	372	A	0.2	372	A	0.1	372
425	A	0.1	308	A	0.1	308	A	0.1	308	A	0.2	308	A	0.2	308	A	0.3	308	A	0.4	308	A	0.5	308	A	0.5	308	A	0.2	308	A	0.2	308
426	A	0.1	260	A	0.1	260	A	0.1	260	A	0.1	260	A	0.1	260	A	0.2	260	A	0.2	260	A	0.2	260	A	0.2	260	A	0.2	260	A	0.2	260
427	A	0.1	611	A	0.1	611	A	0.1	611	A	0.2	611	A	0.2	611	A	0.3	611	A	0.4	611	A	0.4	611	A	0.4	611	A	0.2	611	A	0.2	611
428	A	0.1	268	A	0.	268	A	0.	268	A	0.1	268	A	0.1	268	A	0.1	268	A	0.1	268	A	0.1	268	A	0.1	268	A	0.1	268	A	0.1	268
429	A	0.2	430	A	0.1	430	A	0.1	430	A	0.2	430	A	0.2	430	A	0.3	430	A	0.4	430	A	0.5	430	A	0.4	430	A	0.4	430	A	0.3	430
430	A	0.3	748	A	0.3	748	A	0.3	748	A	0.6	748	A	0.5	748	A	2.8	748	A	3.9	748	A	3.9	748	A	3.8	748	A	0.6	748	A	0.6	748
431	A	0.2	731	A	0.2	731	A	0.2	731	A	0.3	731	A	0.3	731	A	0.8	731	A	1.	731	A	1.1	731	A	1.2	731	A	0.4	731	A	0.4	731
432	A	0.2	731	A	0.2	731	A	0.2	731	A	0.4	731	A	0.3	731	A	0.7	731	A	0.9	731	A	1.	731	A	1.	731	A	0.4	731	A	0.4	731
433	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32
434	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36
435	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14
436	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19
437	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18
438	A	0.2	272	A	0.2	272	A	0.2	272	A	0.4	272	A	0.4	272	A	0.4	272	A	0.6	272	A	0.7	272	A	0.6	272	A	0.5	272	A	0.4	272

Table 28 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
439	A	0.4	339	A	0.4	339	A	0.4	339	A	0.7	339	A	0.8	339	A	0.9	339	A	1.2	339	A	1.3	339	A	1.2	339	A	1.3	339	A	0.9	339
440	A	0.2	260	A	0.2	260	A	0.2	260	A	0.4	260	A	0.4	260	A	0.4	260	A	0.6	260	A	0.7	260	A	0.7	260	A	0.8	260	A	0.5	260
441	B	0.1	314	B	0.1	314	B	0.1	314	B	0.2	314	B	0.2	314	B	0.3	314	B	0.3	314	B	0.4	314	B	0.4	314	B	0.4	314	B	0.3	314
442	A	0.1	134	A	0.1	134	A	0.1	134	A	0.2	134	A	0.2	134	A	0.2	134	A	0.2	134	A	0.3	134	A	0.3	134	A	0.2	134	A	0.2	134
443	A	0.5	329	A	0.5	329	A	0.5	329	A	1.	329	A	0.9	329	A	1.1	329	A	1.4	329	A	1.5	329	A	1.4	329	A	2.3	329	A	1.1	329
444	A	0.2	209	A	0.2	209	A	0.2	209	A	0.3	209	A	0.3	209	A	0.4	209	A	0.5	209	A	0.5	209	A	0.5	209	A	0.5	209	A	0.4	209
445	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.2	88	A	0.2	88	A	0.1	110	A	0.1	110	A	0.1	110
446	A	0.1	119	A	0.1	119	A	0.1	119	A	0.1	119	A	0.1	119	A	0.1	119	A	0.2	119	A	0.2	119	A	0.2	119	A	0.1	119	A	0.1	119
447	A	0.1	108	A	0.1	108	A	0.1	108	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	C	0.1	303	C	0.1	303
448	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27
449	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48
450	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26
451	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28
452	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49
453	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20
454	A	0.	56	A	0.	55	A	0.	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.	55	A	0.	55
455	A	0.	56	A	0.	54	A	0.	54	A	0.1	54	A	0.	54	A	0.1	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54
456	A	0.	55	A	0.	54	A	0.	54	A	0.1	54	A	0.	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	53	A	0.	53	A	0.	53
457	A	0.1	172	A	0.1	172	A	0.1	172	A	0.2	172	A	0.2	172	A	0.2	172	A	0.2	172	A	0.2	172	A	0.2	172	A	0.1	172	A	0.1	172
458	A	0.1	171	A	0.1	171	A	0.1	171	A	0.2	171	A	0.1	171	A	0.2	171	A	0.2	171	A	0.2	171	A	0.2	171	A	0.2	171	A	0.1	171
459	C	2.9	439	C	2.9	439	C	3.	439	A	1.5	366	A	1.5	366	A	1.7	366	A	2.2	389	A	2.3	389	A	2.2	389	A	4.2	389	A	1.8	389
460	A	15.9	817	A	16.	817	A	16.	817	B	6.3	4707	B	6.3	4707	B	6.3	4707	A	3.5	417	A	3.6	417	A	3.4	417	A	6.1	462	A	2.6	417
461	A	12.4	580	A	12.3	580	A	12.3	580	A	4.4	580	A	4.4	580	A	5.3	580	A	6.2	701	A	6.2	701	A	6.2	701	A	4.8	599	A	4.6	604
462	A	0.6	232	A	0.7	232	A	0.7	232	A	0.6	197	A	0.5	197	A	0.6	197	A	0.7	197	A	0.7	197	A	0.7	197	A	0.7	197	A	0.6	197
463	C	0.7	141	C	0.7	141	C	0.7	141	C	0.8	151	C	0.7	151	C	0.8	151	C	1.	159	C	1.	159	C	1.	159	C	1.2	159	C	0.8	159
464	C	0.7	141	C	0.7	143	C	0.7	143	C	0.7	151	C	0.6	151	C	0.8	151	C	1.1	161	C	1.1	161	C	1.1	161	C	1.3	161	C	0.9	161
465	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19
466	A	0.3	75	A	0.3	75	A	0.3	75	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	73	A	0.1	73	A	0.1	73
467	A	1.	175	A	0.9	175	A	0.9	175	A	0.2	145	A	0.2	145	A	0.3	145	A	0.6	169	A	0.6	169	A	0.4	181	A	0.3	181	A	0.3	181
468	A	10.1	149	A	10.1	149	A	10.1	149	A	0.2	149	A	0.2	149	A	0.2	149	A	0.4	178	A	0.4	178	A	0.4	183	A	0.4	183	A	0.3	183
469	A	0.7	104	A	0.6	104	A	0.6	104	A	0.4	114	A	0.4	114	A	0.4	114	A	0.1	99	A	0.1	99	A	0.1	97	A	0.1	97	A	0.1	97
470	A	11.1	421	A	11.	421	A	11.	421	A	1.8	421	A	1.7	421	A	2.	421	A	1.9	334	A	2.2	334	A	2.2	334	A	2.9	334	A	1.2	334
471	A	14.8	430	A	14.9	430	A	14.9	430	A	6.1	687	A	6.1	687	A	6.1	687	A	6.7	961	A	6.7	961	A	6.7	961	A	5.4	808	A	6.5	961
472	A	3.2	443	A	3.	443	A	3.	443	A	1.4	440	A	1.3	440	A	1.8	440	A	1.	449	A	1.	449	A	1.2	449	A	1.4	449	A	0.8	449

Table 28 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
473	A	12.2	593	A	12.3	593	A	12.3	593	A	4.3	593	A	3.9	593	A	5.8	593	A	3.6	507	A	3.7	507	A	3.7	507	A	6.4	651	A	2.7	507
474	A	0.7	247	A	0.8	247	A	0.8	247	A	0.5	352	A	0.5	352	A	0.7	352	A	0.3	247	A	0.3	247	A	0.4	246	A	0.3	246	A	0.3	246
475	A	0.3	92	A	0.3	92	A	0.3	92	A	0.	78	A	0.	78	A	0.1	78	A	0.1	84	A	0.2	84	A	0.1	84	A	0.1	84	A	0.1	84
476	A	10.2	205	A	10.2	205	A	10.2	205	A	0.3	205	A	0.3	205	A	0.4	205	A	0.5	232	A	0.6	232	A	0.7	236	A	1.	236	A	0.5	236
477	A	10.4	288	A	10.4	288	A	10.4	288	A	0.7	288	A	0.7	288	A	0.9	288	A	1.4	315	A	1.4	315	A	2.	317	A	4.	317	A	1.2	317
478	A	0.4	43	A	0.4	43	A	0.4	43	A	0.2	43	A	0.2	43	A	0.2	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.	43	A	0.	43
479	A	0.9	110	A	0.8	110	A	0.8	110	A	0.1	110	A	0.1	110	A	0.2	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110
480	A	11.1	482	A	11.1	482	A	11.1	482	A	2.	482	A	2.	482	A	2.7	482	A	3.7	477	A	4.1	477	A	4.1	477	A	5.	477	A	3.	477
481	A	0.1	20	A	0.1	20	A	0.1	20	A	0.	22	A	0.	22	A	0.	22	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31
482	A	0.1	31	A	0.1	31	A	0.1	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31
483	A	0.1	49	A	0.1	49	A	0.1	49	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36
484	A	0.	42	A	0.	42	A	0.	42	A	0.	43	A	0.	43	A	0.	43	A	0.	45	A	0.	45	A	0.	53	A	0.	53	A	0.	53
485	A	0.1	30	A	0.1	30	A	0.1	30	A	0.1	27	A	0.1	27	A	0.1	27	A	0.	22	A	0.1	22	A	0.	22	A	0.	22	A	0.	22
486	C	27.7	865	C	24.9	865	C	25.	865	C	5.6	865	C	5.1	865	C	6.2	865	C	8.1	865	C	9.1	865	C	9.9	876	C	8.8	876	C	7.5	876
487	C	35.3	5482	C	34.3	1446	C	34.4	1446	C	13.5	5482	C	13.5	5482	C	13.6	5482	C	13.9	5482	C	13.7	5482	C	13.6	5482	C	13.4	5482	C	13.2	5482
488	C	28.3	609	C	25.4	609	C	25.5	609	C	6.4	609	C	5.7	609	C	6.7	609	C	9.1	735	C	9.	735	C	8.8	734	C	8.5	734	C	8.	611
489	C	35.3	5565	C	34.2	1525	C	34.2	1525	C	13.6	5565	C	13.5	5565	C	13.7	5565	C	14.2	5565	C	14.	5565	C	13.9	5565	C	13.7	5565	C	13.5	5565
490	C	34.9	3577	C	32.5	1343	C	32.5	1343	C	13.	3577	C	13.	3577	C	13.1	3577	C	13.3	3577	C	13.	3577	C	12.9	3576	C	12.9	3576	C	12.7	3576
491	A	11.7	154	A	8.5	154	A	8.8	154	A	1.5	154	A	1.4	154	A	1.6	154	A	2.2	154	A	2.4	154	A	1.7	199	A	1.6	199	A	1.4	199
492	C	11.4	200	C	11.4	200	C	11.4	200	C	0.6	200	C	0.5	200	C	0.6	200	C	0.9	200	C	0.9	200	C	0.6	240	C	0.6	240	C	0.5	240
493	A	11.4	180	A	11.4	180	A	11.4	180	A	0.7	180	A	0.7	180	A	0.7	180	A	1.1	180	A	1.1	180	A	1.	180	A	1.	180	A	2.8	180
494	C	10.	59	C	10.	59	C	10.	59	C	0.	59	C	0.	59	C	0.	59	C	0.2	124	C	0.2	124	C	0.2	124	C	0.2	124	C	0.2	124
495	C	10.	54	C	10.	54	C	10.	54	C	0.	54	C	0.	54	C	0.	54	C	0.1	119	C	0.1	119	C	0.1	119	C	0.1	119	C	0.1	119
496	C	10.	47	C	10.	47	C	10.	47	C	0.	47	C	0.	47	C	0.	47	C	0.1	113	C	0.1	113	C	0.1	113	C	0.1	113	C	0.1	113
497	C	11.1	240	C	10.5	240	C	10.3	240	C	0.3	240	C	0.3	240	C	0.4	240	C	1.3	405	C	0.5	240	C	0.4	240	C	0.4	240	C	0.5	228
498	C	17.5	233	C	16.6	233	C	16.2	233	C	0.3	233	C	0.2	233	C	0.3	233	C	0.4	412	C	0.4	233	C	0.3	233	C	0.3	233	C	0.2	221
499	A	9.	140	A	8.5	140	A	8.4	140	A	0.5	140	A	0.4	140	A	0.5	140	C	0.5	194	C	0.6	194	C	0.5	196	C	0.5	196	C	0.4	196
500	A	8.3	100	A	10.1	100	A	10.2	100	A	0.3	100	A	0.2	100	A	0.3	100	C	0.3	155	C	0.3	155	C	0.3	155	C	0.2	155	C	0.2	155
501	A	10.8	286	A	10.8	286	A	10.7	286	A	1.3	286	A	1.2	286	A	1.5	286	C	2.2	590	C	2.2	590	C	2.4	594	C	1.6	594	C	1.3	594
502	A	10.4	233	A	10.4	233	A	10.4	233	A	0.7	233	A	0.6	233	A	0.6	233	C	1.2	416	C	1.2	416	C	1.4	416	C	1.2	416	C	1.	416
503	A	14.5	658	A	12.6	658	A	12.6	658	A	4.8	658	A	5.	663	A	5.9	663	F	0	0	F	0	0	F	2.5	501	F	0	0	F	0	0
504	C	10.2	211	C	10.2	211	C	10.2	211	C	0.3	211	C	0.3	211	C	0.3	211	C	0.7	232	C	0.7	232	C	0.7	232	C	0.7	232	C	0.6	232
505	C	10.7	187	C	10.3	187	C	10.	187	C	0.5	187	C	0.5	187	C	0.6	187	C	0.5	187	C	0.5	187	C	0.5	187	C	0.4	187	C	3.	182
506	A	9.5	529	A	9.4	529	A	9.3	529	A	0.6	529	A	0.8	533	A	1.8	533	C	0.2	180	C	0.2	180	C	0.2	180	C	0.	180	C	0.2	180

Table 28 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
507	A	16.2	1690	A	14.1	771	A	14.	771	A	6.2	1690	A	6.2	1696	A	6.3	1696	C	0.6	187	C	0.6	187	C	0.6	187	C	0.5	187	C	0.5	187
508	C	11.2	167	C	11.2	167	C	11.2	167	C	0.2	167	C	0.2	167	C	0.3	167	C	0.3	167	C	0.3	167	C	0.3	179	C	0.3	179	C	0.2	179
509	A	0.5	163	A	0.4	163	A	0.4	163	A	0.5	163	A	0.4	163	A	0.6	163	A	0.7	245	A	0.8	245	A	0.7	245	A	0.6	245	A	0.6	245
510	A	1.	339	A	0.8	339	A	0.8	339	A	1.3	339	A	1.2	339	A	1.8	339	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
511	A	6.1	912	A	6.5	1153	A	5.9	912	A	6.4	1153	A	6.4	1153	A	6.5	1153	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
512	A	1.2	207	A	0.8	207	A	0.8	207	A	0.2	207	A	0.2	207	A	0.3	207	A	0.4	207	A	0.4	207	A	0.4	207	A	0.3	207	A	1.	239
513	A	0.1	126	A	0.1	126	A	0.1	126	A	0.1	126	A	0.1	126	A	0.1	126	A	0.1	126	A	0.1	126	A	0.1	126	A	0.1	126	A	0.1	126
514	A	0.5	191	A	0.4	191	A	0.4	191	A	0.4	191	A	0.3	191	A	0.4	191	A	0.5	191	A	0.5	191	A	0.5	191	A	0.5	191	A	0.5	191
515	A	0.5	193	A	0.5	193	A	0.5	193	A	0.4	193	A	0.4	193	A	0.5	193	A	0.6	193	A	0.7	193	A	0.6	193	A	0.5	193	A	0.5	193
516	A	3.4	731	A	3.6	731	A	3.4	731	A	5.9	731	A	6.1	923	A	6.1	923	B	162.2	3457	F	0	0	F	0	0	F	0	0	F	0	0
517	A	4.3	379	A	4.7	379	A	4.4	379	A	6.3	492	A	3.8	379	A	6.3	493	B	158.2	2324	B	158.	2324	B	44.1	2314	F	0	0	B	19.8	2317
518	C	10.1	145	C	10.1	145	C	10.1	145	C	0.1	145	C	0.1	145	C	0.2	145	C	1.3	163	C	0.1	125	C	0.1	125	C	0.1	125	C	0.1	125
519	C	0.1	133	C	0.1	133	C	0.1	133	C	0.1	133	C	0.1	133	C	0.2	133	C	0.2	133	C	0.2	133	C	0.2	133	C	0.1	133	C	0.1	133

## 2.27 1\_Algebraic\_functions\1.2Trinomialproducts\1.2.1Quadratic\1.2.1.3(d+ex)^m(f+gx)(a+bx+cx^2)^p

Table 29: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	g
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 37
2	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 37
3	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 32
4	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
5	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 29
6	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 35
7	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 37
8	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49
9	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
10	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75
11	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72
12	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61
13	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38
14	A 0.1 85	A 0.1 85	A 0. 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 81	A 0.1 81	A 0.1 81
15	A 0.1 129	A 0.1 129	A 0.1 129	A 0.1 129	A 0.1 129	A 0.2 129	A 0.2 129	A 0.3 129	A 0.2 129	A 0.2 129	A 0.1 129	A 0.1 129
16	A 1. 165	A 0.9 175	A 0.9 175	A 0.3 166	A 0.3 166	A 0.4 166	A 0.3 168	A 0.3 168	A 0.3 174	A 0.3 174	A 0.3 174	A 0.3 174
17	A 0.5 86	A 0.1 87	A 0.1 87	A 0.2 89	A 0.1 89	A 0.2 89	A 0.1 89	A 0.1 89	A 0.1 103	A 0.1 103	A 0.1 103	A 0.1 103
18	A 0.4 90	A 0.1 91	A 0.1 91	C 0.1 86	C 0.1 86	C 0.1 86	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93
19	A 0.4 78	A 0.2 78	A 0.2 78	A 0. 78	A 0. 78	A 0. 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78
20	A 0.5 108	A 0.2 110	A 0.2 110	A 0.2 109	A 0.2 109	A 0.2 109	A 0.2 111	A 0.2 111	A 0.2 117	A 0.2 117	A 0.2 117	A 0.2 117
21	A 0.5 85	A 0.2 100	A 0.2 100	C 0.1 88	C 0.1 88	C 0.1 88	A 0.2 88	A 0.3 88	A 0.2 102	A 0.1 102	A 0.1 102	A 0.1 102
22	A 0.6 127	A 0.2 129	A 0.2 129	A 0.3 128	A 0.2 128	A 0.3 128	A 0.2 130	A 0.2 130	A 0.2 136	A 0.2 136	A 0.2 136	A 0.2 136
23	A 0.3 43	A 0.3 36	A 0.3 36	A 0. 43	A 0. 43	A 0. 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43
24	A 0.7 100	A 0.2 100	A 0.2 100	A 0.1 100	A 0. 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100
25	A 0.7 123	A 0.2 123	A 0.2 123	A 0. 123	A 0. 123	A 0.1 123	A 0.1 123	A 0.1 123	A 0.1 123	A 0.1 123	A 0.1 123	A 0.1 123
26	A 0.5 106	A 0.4 125	A 0.4 125	A 0.1 109	A 0.1 109	A 0.1 109	A 0.1 109	A 0.2 109	A 0.1 109	A 0.1 109	A 0.1 109	A 0.1 109
27	A 0.4 30	A 0.1 30	A 0.1 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
28	A 0.5 126	A 0.5 180	A 0.5 180	C 0.1 80	C 0.1 80	C 0.1 80	A 0.2 129	A 0.2 129	A 0.2 129	A 0.2 129	A 0.2 129	A 0.1 129
29	A 0.5 98	A 0.2 98	A 0.2 98	A 0. 98	A 0. 98	A 0. 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98
30	A 0.6 150	A 0.3 150	A 0.3 150	A 0.1 150	A 0.1 150	A 0.1 150	A 0.2 150	A 0.2 150	A 0.2 150	A 0.2 150	A 0.2 150	A 0.2 150

Table 29 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	g
31	A 0. 31	A 0. 31	A 0. 31	A 0. 33	A 0. 33	A 0. 33	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	
32	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	
33	A 0. 51	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	
34	A 0. 51	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	
35	A 0. 85	A 0. 77	A 0. 77	A 0.1 70	A 0.1 70	A 0.1 70	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A 0. 85	
36	A 0. 69	A 0. 77	A 0. 77	A 0.1 70	A 0.1 70	A 0.1 70	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	
37	A 0. 69	A 0. 77	A 0. 77	A 0.1 70	A 0.1 70	A 0.1 70	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	
38	A 0.1 69	A 0.1 67	A 0.1 67	A 0.1 69	A 0. 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	
39	A 0.1 92	A 0.1 94	A 0.1 94	C 0. 61	C 0. 61	C 0. 61	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92	
40	A 0.1 94	A 0.1 96	A 0.1 96	C 0. 59	C 0. 59	C 0. 59	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	
41	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	
42	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	
43	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0. 56	
44	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	
45	A 0.2 116	A 0.2 116	A 0.2 116	C 0. 61	C 0. 61	C 0.1 61	A 0.2 116	A 0.2 116	A 0.2 116	A 0.2 116	A 0.2 116	
46	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	
47	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.2 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	
48	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	
49	A 0.1 73	A 0.1 73	A 0.1 73	A 0. 73	A 0. 73	A 0. 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	
50	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	
51	A 0.2 153	A 0.2 153	A 0.2 153	C 0. 62	C 0. 62	C 0. 62	A 0.2 153	A 0.2 153	A 0.2 153	A 0.2 153	A 0.1 153	
52	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0. 53	
53	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	
54	A 0. 121	A 0. 121	A 0. 121	A 0. 121	A 0. 121	A 0. 121	A 0. 121	A 0. 121	A 0. 121	A 0. 121	A 0. 121	
55	A 0. 107	A 0. 107	A 0. 107	A 0. 107	A 0. 107	A 0. 107	A 0. 107	A 0. 107	A 0. 107	A 0. 107	A 0. 107	
56	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0. 75	
57	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	
58	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0.1 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	
59	A 0.2 107	A 0.2 107	A 0.2 107	A 0.2 113	A 0.2 113	A 0.3 113	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	
60	A 0.2 68	A 0.1 68	A 0.1 68	A 0.1 67	A 0. 67	A 0.1 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	
61	A 0.3 90	A 0.3 90	A 0.2 90	A 0.1 108	A 0.1 108	A 0.1 108	A 0.2 96	A 0.2 96	A 0.2 96	A 0.1 96	A 0.1 96	
62	A 0.3 101	A 0.2 101	A 0.2 101	A 0.3 107	A 0.2 107	A 0.2 107	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	
63	A 0.3 110	A 0.3 110	A 0.3 110	A 0.3 118	A 0.3 118	A 0.3 118	A 0.2 112	A 0.2 112	A 0.2 112	A 0.1 112	A 0.1 112	
64	A 0.4 109	A 0.3 109	A 0.3 109	C 0. 90	C 0. 90	C 0.1 90	A 0.2 113	A 0.2 113	A 0.2 113	A 0.1 113	A 0.1 113	

Table 29 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
65	A	0.4	109	A	0.4	109	A	0.4	109	C	0.	92	C	0.	92	C	0.1	92	A	0.1	117	A	0.2	117	A	0.1	117	A	0.1	117	A	0.1	117
66	A	0.8	120	A	0.7	120	A	0.7	120	C	0.	64	C	0.	64	C	0.	64	A	0.3	124	A	0.4	124	A	0.2	130	A	0.2	130	A	0.2	130
67	A	0.3	137	A	0.3	137	A	0.3	137	A	0.3	145	A	0.3	145	A	0.4	145	A	0.2	138	A	0.2	138	A	0.2	138	A	0.1	138	A	0.1	138
68	A	0.4	107	A	0.3	107	A	0.3	107	A	0.1	108	A	0.1	108	A	0.1	108	A	0.1	108	A	0.1	108	A	0.1	108	A	0.1	108	A	0.1	108
69	A	0.5	132	A	0.5	132	A	0.4	132	C	0.	92	C	0.	92	C	0.	92	A	0.2	135	A	0.2	135	A	0.2	135	A	0.2	135	A	0.2	135
70	A	0.6	131	A	0.5	131	A	0.5	131	C	0.	94	C	0.	94	C	0.1	94	A	0.3	137	A	0.3	137	A	0.3	137	A	0.2	137	A	0.2	137
71	A	0.6	132	A	0.6	132	A	0.6	132	C	0.	96	C	0.	96	C	0.	96	A	0.2	138	A	0.2	138	A	0.2	138	A	0.2	138	A	0.2	138
72	A	0.2	88	A	0.2	88	A	0.2	88	A	0.1	86	A	0.1	86	A	0.1	86	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89
73	A	0.2	46	A	0.1	46	A	0.1	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46
74	A	0.3	76	A	0.2	76	A	0.2	76	A	0.2	73	A	0.2	73	A	0.2	73	A	0.1	80	A	0.1	80	A	0.1	86	A	0.1	86	A	0.1	86
75	A	0.5	91	A	0.4	91	A	0.4	91	A	0.1	91	A	0.	91	A	0.1	91	A	0.1	85	A	0.1	85	A	0.1	101	A	0.1	101	A	0.1	101
76	A	0.3	74	A	0.2	74	A	0.2	74	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75
77	A	0.3	53	A	0.2	53	A	0.2	53	A	0.1	64	A	0.1	64	A	0.1	64	A	0.1	53	A	0.1	53	A	0.1	53	A	0.	53	A	0.	53
78	A	0.4	43	A	0.3	43	A	0.3	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43
79	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60
80	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60
81	A	0.	83	A	0.	83	A	0.	83	A	0.	83	A	0.	83	A	0.1	83	A	0.	83	A	0.	83	A	0.	83	A	0.	83	A	0.	83
82	A	0.2	151	A	0.2	149	A	0.2	149	A	0.1	266	A	0.1	266	A	0.1	266	A	0.4	260	A	0.5	260	A	0.5	256	A	0.4	256	A	0.3	256
83	A	0.1	124	A	0.2	124	A	0.2	124	A	0.1	262	A	0.1	262	A	0.1	262	A	0.1	194	A	0.1	194	A	0.1	194	A	0.1	194	A	0.1	194
84	A	0.5	165	A	0.5	165	A	0.5	165	A	0.3	304	A	0.2	304	A	0.3	304	A	0.6	281	A	0.8	281	A	0.8	281	A	0.5	281	A	0.4	281
85	C	10.1	133	C	10.1	133	C	10.1	133	C	0.1	133	C	0.1	133	C	0.2	133	C	1.3	257	C	1.4	257	C	1.3	257	C	1.1	257	C	0.9	257
86	C	10.	82	C	10.	82	C	10.	82	C	0.	82	C	0.	82	C	0.	82	C	0.7	227	C	0.7	227	C	0.7	227	C	0.6	227	C	0.5	227
87	C	10.1	82	C	10.	82	C	10.	82	C	0.	82	C	0.	82	C	0.	82	C	0.7	214	C	0.7	214	C	0.7	214	C	0.5	214	C	0.4	214
88	C	10.	88	C	10.	88	C	10.	88	C	0.	88	C	0.	88	C	0.1	88	C	1.	236	C	1.1	236	C	0.9	236	C	0.8	236	C	0.7	236
89	C	10.1	137	C	10.1	137	C	10.1	137	C	0.2	137	C	0.1	137	C	0.2	137	C	1.3	276	C	1.4	276	C	1.3	276	C	1.2	276	C	1.	276
90	C	10.1	124	C	10.1	124	C	10.1	124	C	0.1	124	C	0.1	124	C	0.1	124	C	1.2	270	C	1.3	270	C	1.3	270	C	1.1	270	C	0.9	270
91	C	10.	84	C	10.	84	C	10.	84	C	0.	84	C	0.	84	C	0.	84	C	0.8	233	C	0.9	233	C	0.9	233	C	0.7	233	C	0.6	233
92	C	10.	83	C	10.	83	C	10.	83	C	0.	83	C	0.	83	C	0.1	83	C	0.8	253	C	0.8	253	C	0.8	253	C	0.7	253	C	0.6	253
93	C	10.1	118	C	10.1	118	C	10.1	118	C	0.1	118	C	0.1	118	C	0.1	118	C	1.1	229	C	1.2	229	C	1.1	229	C	0.9	229	C	0.8	229
94	C	10.1	120	C	10.1	120	C	10.	120	C	0.1	120	C	0.1	120	C	0.1	120	C	0.7	228	C	0.8	228	C	0.7	228	C	0.6	228	C	0.5	228
95	C	10.	100	C	10.	100	C	10.	100	C	0.1	100	C	0.	100	C	0.1	100	C	0.6	201	C	0.7	201	C	0.6	201	C	0.6	201	C	0.5	201
96	C	10.1	183	C	10.1	183	C	10.1	183	C	0.1	183	C	0.1	183	C	0.2	183	C	1.	284	C	1.1	284	C	1.	284	C	0.9	284	C	0.8	284
97	A	0.8	128	A	0.5	128	A	0.5	128	A	0.3	128	A	0.3	128	A	0.4	128	A	0.4	128	A	0.5	128	A	0.3	128	A	0.3	128	A	0.2	128
98	A	0.1	82	A	0.	82	A	0.	82	A	0.	82	A	0.	82	A	0.	82	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1	82



Table 29 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	g
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
99	A 0.3 67	A 0.1 67	A 0.1 67	A 0. 67	A 0. 67	A 0.1 67	A 0.1 51	A 0.1 51	A 0.1 51	A 0. 51	A 0. 51	
100	A 0.4 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.2 141	A 0.2 141	A 0.2 141	A 0.1 141	A 0.1 141	
101	A 0.4 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 99	A 0.1 99	A 0.1 99	
102	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	
103	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	
104	A 0. 99	A 0. 99	A 0. 99	A 0. 99	A 0. 99	A 0. 99	A 0. 99	A 0. 99	A 0. 99	A 0. 99	A 0. 99	
105	A 0. 87	A 0. 87	A 0. 87	A 0.1 87	A 0. 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 90	A 0. 90	A 0. 90	
106	A 0. 128	A 0. 128	A 0. 128	A 0. 128	A 0. 128	A 0. 128	A 0.1 128	A 0.1 128	A 0.1 128	A 0. 128	A 0. 128	
107	A 0. 126	A 0. 126	A 0. 126	A 0. 126	A 0. 126	A 0.1 126	A 0.1 126	A 0.1 126	A 0.1 126	A 0. 126	A 0. 126	
108	B 0. 148	B 0. 148	B 0. 148	B 0. 148	B 0. 148	B 0.1 148	B 0. 148	B 0. 148	B 0. 148	B 0. 148	B 0. 148	
109	A 0. 140	A 0. 140	A 0. 140	A 0.1 140	A 0. 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	
110	A 0. 139	A 0. 139	A 0. 139	A 0.1 139	A 0. 139	A 0.1 139	A 0.1 139	A 0.1 139	A 0.1 139	A 0.1 139	A 0. 139	
111	A 0. 140	A 0. 140	A 0. 140	A 0. 140	A 0. 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0. 140	
112	B 0. 114	B 0. 114	B 0. 114	B 0. 114	B 0. 114	B 0.1 114	B 0. 114	B 0. 114	B 0. 114	B 0. 114	B 0. 114	
113	A 0. 151	A 0. 151	A 0. 151	A 0.1 151	A 0.1 151	A 0.1 151	A 0.1 151	A 0.1 151	A 0.1 151	A 0.1 151	A 0.1 151	
114	A 0. 96	A 0. 96	A 0. 96	A 0. 96	A 0. 96	A 0. 96	A 0. 96	A 0. 96	A 0. 96	A 0. 96	A 0. 96	
115	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	
116	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	
117	A 0. 127	A 0. 127	A 0. 127	A 0.1 127	A 0.1 127	A 0.1 127	A 0.1 127	A 0.1 127	A 0.1 127	A 0.1 127	A 0.1 127	
118	A 0. 87	A 0. 87	A 0. 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	
119	A 0.1 85	A 0. 85	A 0. 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 81	A 0.1 81	A 0.1 81	
120	A 0. 97	A 0. 97	A 0. 97	A 0. 97	A 0. 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0. 97	A 0. 97	
121	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	
122	A 0. 113	A 0. 113	A 0. 113	A 0. 113	A 0. 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	
123	A 0. 89	A 0. 89	A 0. 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 95	A 0.1 95	A 0.1 95	
124	A 0.1 142	A 0.1 142	A 0.1 142	A 0.1 142	A 0.1 142	A 0.1 142	A 0.2 142	A 0.2 142	A 0.1 142	A 0.1 142	A 0.1 142	
125	A 1. 87	A 1. 87	A 1. 87	A 0. 87	A 0. 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0. 87	
126	A 0.5 87	A 0.7 87	A 0.7 87	A 0. 87	A 0. 87	A 0. 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0. 87	A 0. 87	
127	A 1. 125	A 1. 125	A 1. 125	A 0.1 125	A 0. 125	A 0.1 125	A 0.1 125	A 0.1 125	A 0.1 125	A 0.1 125	A 0.1 125	
128	A 1. 125	A 1. 125	A 1. 125	A 0. 125	A 0. 125	A 0.1 125	A 0.1 125	A 0.1 125	A 0.1 125	A 0.1 125	A 0.1 125	
129	A 0.3 180	A 0.4 180	A 0.4 180	A 0.1 79	A 0. 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	
130	A 0.4 230	A 0.5 230	A 0.5 230	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	
131	A 1.1 140	A 1. 140	A 1. 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	
132	A 0.8 234	A 0.9 233	A 0.9 233	A 0. 89	A 0. 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	

Table 29 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
133	A	0.6	187	A	0.9	187	A	0.8	187	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65
134	B	1.4	938	A	1.	80	A	1.	80	A	0.	80	A	0.	80	A	0.	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.	80
135	A	1.1	133	A	1.1	133	A	1.1	133	A	0.1	133	A	0.1	133	A	0.1	133	A	0.1	133	A	0.1	133	A	0.1	133	A	0.1	133	A	0.1	133
136	A	1.3	488	A	1.1	127	A	1.5	342	A	0.1	127	A	0.1	127	A	0.1	127	A	0.1	127	A	0.1	127	A	0.1	127	A	0.1	127	A	0.1	127
137	A	0.	51	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51
138	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52
139	A	0.1	90	A	0.1	90	A	0.	90	A	0.1	81	A	0.1	81	A	0.1	81	A	0.	90	A	0.	90	A	0.	90	A	0.	90	A	0.	90
140	A	0.1	86	A	0.1	86	A	0.1	86	A	0.	86	A	0.	86	A	0.	86	A	0.1	86	A	0.1	86	A	0.	86	A	0.	86	A	0.	86
141	A	0.1	159	A	0.1	152	A	0.1	152	A	0.1	131	A	0.1	131	A	0.2	131	A	0.1	159	A	0.1	159	A	0.1	159	A	0.1	159	A	0.	159
142	A	0.1	123	A	0.1	123	A	0.1	123	A	0.	123	A	0.	123	A	0.1	123	A	0.1	123	A	0.1	123	A	0.1	123	A	0.	123	A	0.	123
143	A	0.1	123	A	0.1	123	A	0.1	123	A	0.	123	A	0.	123	A	0.	123	A	0.1	123	A	0.1	123	A	0.1	123	A	0.	123	A	0.	123
144	A	0.2	128	A	0.2	128	A	0.2	128	A	0.1	128	A	0.1	128	A	0.1	128	A	0.2	128	A	0.2	128	A	0.1	137	A	0.1	137	A	0.1	137
145	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	118	A	0.1	118	A	0.1	118
146	A	0.2	112	A	0.2	112	A	0.2	112	C	0.	59	C	0.	59	C	0.1	59	A	0.2	112	A	0.2	112	A	0.1	112	A	0.1	112	A	0.1	112
147	A	0.2	130	A	0.2	130	A	0.2	130	C	0.	61	C	0.	61	C	0.	61	A	0.2	130	A	0.2	130	A	0.2	130	A	0.2	130	A	0.2	130
148	A	0.3	169	A	0.3	169	A	0.3	169	C	0.	61	C	0.	61	C	0.1	61	A	0.3	169	A	0.3	169	A	0.3	169	A	0.3	169	A	0.3	169
149	A	0.2	143	A	0.3	143	A	0.3	143	A	0.2	134	A	0.2	134	A	0.3	134	A	0.4	143	A	0.4	143	A	0.3	145	A	0.3	145	A	0.3	145
150	A	0.1	89	A	0.1	89	A	0.1	89	A	0.	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89
151	A	0.	89	A	0.	89	A	0.	89	A	0.	89	A	0.	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.	89
152	A	0.1	84	A	0.1	84	A	0.1	84	A	0.	84	A	0.	84	A	0.1	84	A	0.1	84	A	0.1	84	A	0.1	84	A	0.1	84	A	0.	84
153	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122
154	A	0.1	148	A	0.	148	A	0.1	148	C	0.	79	C	0.	79	C	0.1	79	A	0.2	148	A	0.2	148	A	0.2	148	A	0.1	148	A	0.1	148
155	A	0.1	115	A	0.2	108	A	0.1	108	C	0.	79	C	0.1	79	C	0.	79	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	115
156	A	0.1	106	A	0.1	104	A	0.1	104	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106
157	A	0.1	136	A	0.2	130	A	0.2	130	C	0.	79	C	0.	79	C	0.1	79	A	0.1	136	A	0.1	136	A	0.1	136	A	0.1	136	A	0.1	136
158	A	0.1	157	A	0.1	157	A	0.1	157	C	0.	79	C	0.	79	C	0.	79	A	0.2	157	A	0.2	157	A	0.2	157	A	0.1	157	A	0.1	157
159	A	0.3	186	A	0.3	188	A	0.3	188	C	0.	80	C	0.	80	C	0.	80	A	0.2	188	A	0.2	188	A	0.2	188	A	0.2	188	A	0.2	188
160	A	0.3	142	A	0.2	146	A	0.2	146	A	0.1	146	A	0.1	146	A	0.1	146	A	0.2	169	A	0.2	169	A	0.2	169	A	0.2	169	A	0.2	169
161	A	0.3	174	A	0.3	170	A	0.3	170	C	0.	80	C	0.	80	C	0.1	80	A	0.2	174	A	0.2	174	A	0.2	174	A	0.2	174	A	0.2	174
162	A	0.2	196	A	0.3	191	A	0.3	191	C	0.	80	C	0.	80	C	0.	80	A	0.2	196	A	0.2	196	A	0.2	196	A	0.2	196	A	0.2	196
163	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.2	71	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65
164	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47
165	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41
166	A	0.	101	A	0.	101	A	0.	101	A	0.	101	A	0.	101	A	0.	101	A	0.	101	A	0.	101	A	0.	101	A	0.	101	A	0.	101

Table 29 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	g
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	g
167	A 0. 87	A 0. 87	A 0. 87	A 0.1 87	A 0.1 87	A 0.2 87	A 0.1 87	A 0.1 87	A 0.1 92	A 0.1 92	A 0.1 92	
168	A 0. 166	A 0. 166	A 0. 166	A 0.1 166	A 0. 166	A 0.1 166	A 0.1 166	A 0.1 166	A 0.1 166	A 0.1 166	A 0.1 166	
169	A 0. 158	A 0. 158	A 0. 158	A 0. 158	A 0. 158	A 0.1 158	A 0.1 158	A 0.1 158	A 0.1 158	A 0. 158	A 0. 158	
170	A 0.1 169	A 0.1 169	A 0.1 169	A 0.1 169	A 0.1 169	A 0.1 169	A 0.2 169	A 0.2 169	A 0.2 169	A 0.1 169	A 0.1 169	
171	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.2 86	A 0.1 86	A 0.1 86	A 0.1 86	
172	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.2 71	A 0.2 71	A 0.2 71	A 0.2 71	A 0.2 71	A 0.1 71	
173	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	
174	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	
175	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	
176	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	
177	A 1.3 349	A 1.3 349	A 1.3 349	A 0.6 312	A 0.6 312	A 1. 312	A 0.5 349	A 0.5 349	A 0.6 348	A 0.5 348	A 0.4 348	
178	A 0.7 210	A 0.6 210	A 0.6 210	A 0.3 179	A 0.3 179	A 0.3 179	A 0.3 208	A 0.3 208	A 0.4 207	A 0.3 207	A 0.2 207	
179	A 0.7 115	A 0.6 115	A 0.6 115	A 0.1 114	A 0.1 114	A 0.1 114	A 0.2 112	A 0.2 112	A 0.2 112	A 0.2 112	A 0.1 112	
180	A 0.8 159	A 0.6 159	A 0.6 159	A 0.3 129	A 0.3 129	A 0.5 129	A 0.3 159	A 0.3 159	A 0.3 159	A 0.3 159	A 0.2 159	
181	A 0.8 165	A 0.7 165	A 0.7 165	A 0.2 116	A 0.2 116	A 0.2 116	A 0.3 146	A 0.3 146	A 0.3 146	A 0.2 146	A 0.2 146	
182	A 1.7 412	A 1.8 412	A 1.8 412	A 0.7 267	A 0.6 267	A 0.7 267	A 0.7 412	A 0.8 412	A 1.3 412	A 0.7 412	A 0.5 412	
183	A 1.5 192	A 1.5 192	A 1.5 192	A 0.3 144	A 0.3 144	A 0.3 144	A 0.2 187	A 0.2 187	A 0.3 189	A 0.3 189	A 0.2 189	
184	A 1.1 159	A 1.1 159	A 1.1 159	A 0.5 162	A 0.5 162	A 0.6 162	A 0.7 183	A 0.8 183	A 0.6 209	A 0.5 209	A 0.4 209	
185	A 1.2 181	A 1.2 181	A 1.2 181	A 0.6 182	A 0.5 182	A 0.6 182	A 0.6 221	A 0.7 221	A 0.6 221	A 0.5 221	A 0.4 221	
186	A 3.2 412	A 3.2 412	A 3.2 412	A 0.7 234	A 0.7 234	A 0.9 234	A 0.7 390	A 0.6 390	A 0.7 390	A 0.6 390	A 0.4 390	
187	A 2.5 482	A 2.7 482	A 2.6 482	A 0.7 254	A 0.6 254	A 0.8 254	A 1. 481	A 1. 481	A 1.3 482	A 1. 482	A 0.7 482	
188	A 2.3 286	A 2.2 286	A 2.2 286	A 0.8 255	A 0.7 255	A 0.9 255	A 1.1 302	A 1.1 302	A 1.1 302	A 0.9 302	A 0.8 302	
189	A 3. 360	A 2.8 360	A 2.9 360	A 1.1 308	A 1. 308	A 1.3 308	A 1.6 365	A 1.7 365	A 1.6 365	A 1.3 365	A 1.2 365	
190	A 0.8 223	A 0.8 223	A 0.8 223	A 0.3 221	A 0.3 221	A 0.4 221	A 0.4 219	A 0.4 219	A 0.4 219	A 0.3 219	A 0.3 219	
191	A 0.5 104	A 0.5 104	A 0.5 104	A 0.3 102	A 0.3 102	A 0.3 102	A 0.2 102	A 0.2 102	A 0.2 116	A 0.1 116	A 0.1 116	
192	A 0.7 145	A 0.7 145	A 0.7 145	A 0.2 150	A 0.2 150	A 0.3 150	A 0.5 149	A 0.6 149	A 0.4 195	A 0.4 195	A 0.3 195	
193	A 1.1 210	A 1. 210	A 1.1 210	A 0.3 214	A 0.3 214	A 0.4 214	A 0.6 223	A 0.6 223	A 0.6 223	A 0.5 223	A 0.4 223	
194	A 2.6 424	A 2.6 424	A 2.5 424	A 0.9 343	A 0.8 343	A 1.1 343	A 2.4 343	A 2.6 343	A 1.6 348	A 1.1 348	A 0.9 348	
195	A 5.4 349	A 5.4 349	A 5. 349	A 0.2 159	A 0.2 159	A 0.3 159	A 0.3 159	A 0.3 159	A 0.3 159	A 0.2 159	A 0.2 159	
196	A 0.1 113	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	
197	A 0.1 93	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	
198	A 0.2 168	A 0.2 168	A 0.2 168	A 0.2 168	A 0.2 168	A 0.2 168	A 0.1 168	A 0.1 168	A 0.1 168	A 0.1 168	A 0.1 168	
199	A 0.5 264	A 0.5 264	A 0.5 264	A 0.3 264	A 0.3 264	A 0.3 264	A 0.4 264	A 0.3 264	A 0.3 264	A 0.3 264	A 0.3 264	
200	A 0.7 279	A 0.8 276	A 0.7 276	A 0.6 258	A 0.6 258	A 0.8 258	A 0.6 279	A 0.6 279	A 0.6 279	A 0.5 279	A 0.5 279	

Table 29 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
201	A	11.7	745	A	7.6	612	A	7.5	612	A	2.7	745	A	2.7	745	A	4.	745	A	4.8	636	A	5.	636	A	4.9	636	A	4.8	647	A	3.5	636
202	C	24.	499	C	23.9	499	C	23.9	499	C	3.1	499	C	3.	499	C	3.5	499	C	4.8	499	C	5.	499	C	4.6	542	C	4.3	542	C	3.7	542
203	C	21.1	153	C	21.2	153	C	21.2	153	C	0.2	153	C	0.2	153	C	0.3	153	C	0.3	153	C	0.3	153	C	0.3	153	C	0.2	153	C	0.2	153
204	C	21.1	163	C	21.2	163	C	21.1	163	C	0.2	163	C	0.2	163	C	0.2	163	C	0.2	163	C	0.2	163	C	0.2	163	C	0.2	163	C	0.2	163
205	C	21.1	163	C	21.2	163	C	21.2	163	C	0.2	163	C	0.2	163	C	0.2	163	C	0.2	163	C	0.2	163	C	0.2	163	C	0.2	163	C	0.2	163
206	C	21.1	160	C	21.1	160	C	21.1	160	C	0.2	160	C	0.2	160	C	0.2	160	C	0.2	160	C	0.2	160	C	0.2	160	C	0.2	160	C	0.2	160
207	C	21.1	90	C	21.1	90	C	21.1	90	C	0.2	90	C	0.1	90	C	0.2	90	C	0.2	90	C	0.2	90	C	0.2	90	C	0.1	90	C	0.1	90
208	C	21.1	140	C	21.1	140	C	21.1	140	C	0.2	140	C	0.2	140	C	0.2	140	C	0.2	140	C	0.2	140	C	0.2	140	C	0.2	140	C	0.2	140
209	C	21.2	179	C	21.2	179	C	21.2	179	C	0.3	179	C	0.3	179	C	0.4	179	C	0.4	179	C	0.4	179	C	0.4	179	C	0.3	179	C	0.3	179
210	C	21.2	177	C	21.2	177	C	21.2	177	C	0.3	177	C	0.3	177	C	0.4	177	C	0.4	177	C	0.4	177	C	0.4	177	C	0.3	177	C	0.3	177
211	C	21.2	167	C	21.2	167	C	21.2	167	C	0.3	167	C	0.2	167	C	0.3	167	C	0.4	167	C	0.4	167	C	0.4	167	C	0.3	167	C	0.3	167
212	C	21.2	169	C	21.2	169	C	21.2	169	C	0.3	169	C	0.2	169	C	0.3	169	C	0.4	169	C	0.4	169	C	0.4	169	C	0.3	169	C	0.3	169
213	A	1.6	234	A	1.5	234	A	1.5	234	A	0.2	234	A	0.2	234	A	0.3	234	B	4.3	614	A	0.4	234	A	0.4	234	A	0.3	206	A	2.2	360
214	C	0.5	210	C	0.3	210	C	0.3	210	C	0.3	210	C	0.3	210	C	0.4	210	C	6.4	588	C	0.6	210	C	0.5	210	C	0.2	182	C	0.2	182
215	C	0.5	268	C	0.3	268	C	0.3	268	C	0.4	268	C	0.4	268	C	0.5	268	C	1.8	476	C	0.7	268	C	0.7	268	C	0.4	240	C	0.3	240
216	A	0.	91	A	0.	91	A	0.	91	A	0.	91	A	0.	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91
217	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55
218	A	0.	88	A	0.	88	A	0.	88	A	0.	88	A	0.	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	89	A	0.1	89	A	0.1	89
219	A	0.	101	A	0.	101	A	0.	101	A	0.1	101	A	0.	101	A	0.1	101	A	0.1	101	A	0.1	101	A	0.1	101	A	0.1	101	A	0.1	101
220	A	0.1	220	A	0.1	220	A	0.1	220	A	0.2	220	A	0.2	220	A	0.3	220	A	0.4	220	A	0.5	220	A	0.4	220	A	0.3	220	A	0.2	220
221	A	0.1	260	A	0.1	260	A	0.1	260	A	0.1	260	A	0.1	260	A	0.2	260	A	0.2	260	A	0.2	260	A	0.2	260	A	0.2	260	A	0.1	260
222	A	1.1	525	A	0.8	525	A	0.9	525	A	1.1	525	A	1.	525	A	1.3	525	B	1.9	1043	B	2.2	1043	B	2.2	1099	B	1.7	1127	B	1.6	1127
223	A	0.1	305	A	0.1	305	A	0.1	305	A	0.1	305	A	0.1	305	A	0.2	305	A	0.2	305	A	0.2	305	A	0.2	305	A	0.2	305	A	0.1	305
224	A	0.	141	A	0.	141	A	0.	141	A	0.1	141	A	0.	141	A	0.1	141	A	0.1	141	A	0.1	141	A	0.1	141	A	0.1	141	A	0.1	141
225	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75
226	A	0.1	187	A	0.1	187	A	0.1	187	A	0.2	187	A	0.1	187	A	0.2	187	A	0.3	187	A	0.3	187	A	0.2	189	A	0.2	189	A	0.2	189
227	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29
228	A	0.2	241	A	0.2	241	A	0.2	241	A	0.4	241	A	0.4	241	A	0.5	241	A	0.7	241	A	0.7	241	A	0.8	241	A	0.6	241	A	0.5	241
229	A	0.1	128	A	0.	128	A	0.	128	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	128
230	A	0.2	201	A	0.2	201	A	0.2	201	A	0.4	201	A	0.4	201	A	0.4	201	A	0.6	201	A	0.6	201	A	0.6	201	A	0.5	201	A	0.4	201
231	A	0.2	190	A	0.2	190	A	0.2	190	A	0.3	190	A	0.3	190	A	0.5	190	A	0.6	190	A	0.6	190	A	0.6	190	A	0.5	190	A	0.3	190
232	A	1.3	185	A	10.7	251	A	10.7	251	A	1.5	252	A	1.1	187	A	1.3	187	A	0.6	192	A	0.6	192	A	0.6	192	A	0.5	192	A	0.4	192
233	A	1.8	232	A	11.	364	A	11.	364	B	4.2	690	A	3.	363	A	3.5	363	A	0.9	235	A	1.	235	A	0.8	236	A	0.8	236	A	0.6	236
234	A	11.6	387	A	11.7	387	A	11.6	387	A	3.1	387	A	2.3	387	A	2.9	387	A	3.9	535	A	4.3	535	A	6.4	625	A	3.1	526	A	1.9	526

Table 29 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
235	A	11.	353	A	11.1	353	A	11.	353	A	1.9	353	B	5.8	1059	B	6.1	1243	A	1.5	354	A	1.6	354	A	1.5	354	A	1.9	354	A	1.2	354
236	A	14.7	674	A	14.8	674	A	14.7	674	B	6.2	1984	B	6.2	2000	B	6.2	2000	A	3.4	479	A	3.7	479	A	3.3	479	A	5.	479	A	2.4	479
237	A	1.7	314	A	2.2	371	A	2.3	371	A	0.9	315	A	0.8	315	A	1.	315	A	0.8	330	A	0.8	330	A	0.8	330	A	0.9	330	A	0.5	330
238	A	14.4	971	A	14.5	971	A	14.5	971	B	6.2	2047	B	6.2	2063	B	6.2	2063	A	4.	509	A	4.3	509	A	4.	515	A	6.3	644	A	2.4	515
239	B	0.4	203	A	0.2	86	A	0.2	86	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79
240	A	0.7	99	A	0.2	101	A	0.2	101	A	0.1	101	A	0.1	101	A	0.1	101	A	0.1	102	A	0.2	102	A	0.1	102	A	0.1	102	A	0.1	102
241	A	0.7	107	A	0.3	107	A	0.2	107	A	0.1	107	A	0.1	107	A	0.1	107	A	0.1	107	A	0.2	107	A	0.2	107	A	0.2	107	A	0.1	107
242	A	0.1	114	A	0.1	114	A	0.1	114	A	0.1	114	A	0.1	114	A	0.1	114	A	0.2	114	A	0.2	114	A	0.2	114	A	0.1	114	A	0.1	114
243	A	0.1	113	A	0.1	113	A	0.1	113	A	0.1	113	A	0.1	113	A	0.1	113	A	0.1	113	A	0.2	113	A	0.2	113	A	0.2	113	A	0.1	113
244	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111
245	A	0.2	273	A	0.2	273	A	0.2	273	A	0.3	273	A	0.2	273	A	0.2	273	A	0.3	273	A	0.4	273	A	0.4	273	A	0.4	273	A	0.3	273
246	A	0.3	272	A	0.2	272	A	0.2	272	A	0.2	272	A	0.2	272	A	0.3	272	A	0.3	272	A	0.6	224	A	0.6	224	A	0.6	224	A	0.4	224
247	A	0.2	167	A	0.2	167	A	0.2	167	A	0.4	174	A	0.3	174	A	0.4	174	A	0.3	167	A	0.3	167	A	0.3	167	A	0.3	167	A	0.3	167
248	A	0.4	159	A	0.4	159	A	0.4	159	C	0.	91	C	0.	91	C	0.	91	A	1.	159	A	1.	159	A	0.4	159	A	0.4	159	A	0.3	159
249	A	0.9	363	A	0.9	363	A	0.8	363	C	0.	91	C	0.	91	C	0.	91	A	2.4	298	A	2.7	298	A	1.2	284	A	1.2	284	A	0.9	284
250	A	0.9	336	A	0.9	336	A	0.9	336	A	2.6	376	A	2.5	376	A	3.4	376	A	0.8	265	A	0.9	265	A	0.8	265	A	0.7	265	A	0.6	265
251	A	1.5	441	A	1.5	441	A	1.6	441	A	5.5	589	A	5.5	589	A	6.2	828	A	1.3	311	A	1.4	311	A	1.3	311	A	1.5	311	A	1.	311
252	C	18.9	461	C	16.4	461	C	16.5	461	C	3.6	461	C	3.3	461	C	4.5	461	C	5.9	461	C	6.4	461	C	6.3	460	C	6.1	460	C	4.9	460
253	C	23.	226	C	17.8	226	C	17.9	226	C	1.1	226	C	1.	226	C	1.4	226	C	1.6	226	C	1.8	226	C	1.6	226	C	1.3	226	C	1.1	226
254	C	24.1	506	C	24.	506	C	24.1	506	C	3.2	506	C	3.1	506	C	4.	506	C	5.2	506	C	5.6	506	C	5.	558	C	4.9	558	C	3.8	558
255	C	20.2	302	C	20.1	302	C	20.3	302	C	1.7	302	C	1.6	302	C	2.	302	C	2.4	302	C	2.6	302	C	2.5	325	C	2.5	325	C	2.	325
256	C	23.3	367	C	23.2	367	C	23.3	367	C	2.	367	C	1.8	367	C	2.4	367	C	3.1	367	C	3.3	367	C	4.	410	C	3.4	410	C	2.9	410
257	C	25.	506	C	24.9	506	C	25.	506	C	4.8	506	C	4.3	506	C	5.5	506	C	7.4	506	C	8.	506	C	7.7	535	C	6.8	535	C	5.4	535
258	B	0.1	233	B	0.	233	B	0.	233	B	0.1	233	B	0.1	233	B	0.1	233	B	0.1	233	B	0.1	233	B	0.1	233	B	0.1	233	B	0.1	233
259	A	0.	194	A	0.	194	A	0.	194	A	0.1	194	A	0.	194	A	0.1	194	A	0.1	194	A	0.1	194	A	0.1	194	A	0.1	194	A	0.1	194
260	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62
261	A	0.1	244	A	0.	244	A	0.	244	A	0.1	244	A	0.1	244	A	0.1	244	A	0.1	244	A	0.1	244	A	0.1	244	A	0.1	244	A	0.1	244
262	A	0.1	202	A	0.1	202	A	0.1	202	A	0.1	202	A	0.1	202	A	0.1	202	A	0.1	202	A	0.2	202	A	0.2	202	A	0.1	202	A	0.1	202
263	A	0.1	542	A	0.1	542	A	0.1	542	A	0.2	542	A	0.1	542	A	0.2	542	A	0.3	542	A	0.3	542	A	0.3	542	A	0.2	542	A	0.2	542
264	A	0.1	323	A	0.1	323	A	0.1	323	A	0.1	323	A	0.1	323	A	0.1	323	A	0.2	323	A	0.2	323	A	0.2	323	A	0.1	323	A	0.1	323
265	A	0.1	405	A	0.1	405	A	0.1	405	A	0.2	405	A	0.2	405	A	0.3	405	A	0.3	405	A	0.3	405	A	0.3	405	A	0.3	405	A	0.3	405
266	A	0.2	414	A	0.1	414	A	0.1	414	A	0.2	414	A	0.2	414	A	0.3	414	A	0.4	414	A	0.4	414	A	0.4	414	A	0.3	414	A	0.3	414
267	A	0.1	359	A	0.1	359	A	0.1	359	A	0.2	359	A	0.2	359	A	0.3	359	A	0.4	359	A	0.4	359	A	0.4	359	A	0.3	359	A	0.2	359
268	A	0.	65	A	0.	65	A	0.	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65

Table 29 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
269	A	0.1	148	A	0.1	148	A	0.1	148	A	0.2	148	A	0.2	148	A	0.3	148	A	0.4	148	A	0.4	148	A	0.3	148	A	0.3	148	A	0.2	148
270	A	0.1	307	A	0.1	307	A	0.1	307	A	0.2	307	A	0.2	307	A	0.3	307	A	0.3	307	A	0.3	307	A	0.3	307	A	0.3	307	A	0.2	307
271	A	0.1	119	A	0.1	119	A	0.1	119	A	0.1	119	A	0.1	119	A	0.1	119	A	0.2	119	A	0.2	119	A	0.2	119	A	0.2	119	A	0.1	119
272	A	0.2	341	A	0.2	341	A	0.2	341	A	0.3	341	A	0.3	341	A	0.4	341	A	0.5	341	A	0.5	341	A	0.5	341	A	0.4	341	A	0.4	341
273	A	0.2	263	A	0.1	263	A	0.1	263	A	0.2	263	A	0.2	263	A	0.3	263	A	0.4	263	A	0.4	263	A	0.4	262	A	0.4	262	A	0.3	262
274	A	0.2	92	A	0.3	92	A	0.3	92	A	0.1	68	A	0.	68	A	0.1	68	A	0.1	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.1	94
275	A	0.7	83	A	0.7	83	A	0.7	83	A	0.1	70	A	0.1	70	A	0.2	70	A	0.1	85	A	0.1	85	A	0.1	87	A	0.1	87	A	0.1	87
276	A	1.1	93	A	1.1	93	A	1.1	93	A	0.1	80	A	0.1	80	A	0.1	80	A	0.2	95	A	0.1	95	A	0.1	97	A	0.1	97	A	0.1	97
277	A	0.1	66	A	0.1	66	A	0.1	66	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55
278	A	0.6	121	A	0.6	121	A	0.5	121	A	0.2	97	A	0.2	97	A	0.2	97	A	0.3	112	A	0.3	112	A	0.3	112	A	0.2	112	A	0.2	112
279	A	1.9	108	A	2.	108	A	2.	108	A	0.4	185	A	0.3	185	A	0.4	185	A	0.2	110	A	0.2	110	A	0.2	112	A	0.2	112	A	0.2	112
280	A	0.1	61	A	0.2	61	A	0.2	61	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.	50
281	A	0.9	93	A	0.8	93	A	0.8	93	A	0.1	80	A	0.1	80	A	0.1	80	A	0.2	95	A	0.2	95	A	0.2	97	A	0.2	97	A	0.1	97
282	A	0.3	61	A	0.3	61	A	0.3	61	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	50	A	0.1	50	A	0.1	67	A	0.1	67	A	0.1	67
283	A	0.3	30	A	0.2	30	A	0.2	30	A	0.1	30	A	0.1	30	A	0.1	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30
284	A	0.7	101	A	0.7	101	A	0.7	101	A	0.1	101	A	0.	101	A	0.1	101	A	0.2	90	A	0.2	90	A	0.2	92	A	0.1	92	A	0.1	92
285	A	0.6	93	A	0.6	93	A	0.6	93	A	0.1	80	A	0.1	80	A	0.2	80	A	0.2	95	A	0.2	95	A	0.2	97	A	0.2	97	A	0.2	97
286	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	99	A	0.2	99	A	0.2	99	A	0.2	99	A	0.1	99	A	0.1	99
287	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	98	A	0.1	98	A	0.1	98
288	A	0.4	373	A	0.2	373	A	0.2	373	A	0.5	373	A	0.4	373	A	5.5	373	A	0.7	373	A	0.7	373	A	0.6	373	A	0.4	373	A	0.3	373
289	A	0.4	375	A	0.2	375	A	0.3	375	A	0.4	375	A	0.3	375	A	0.5	375	A	0.5	375	A	0.6	375	A	0.5	375	A	0.4	375	A	0.4	375
290	A	1.	285	A	1.	285	A	1.	285	A	0.7	375	A	0.6	375	A	0.7	375	A	0.4	214	A	0.5	214	A	0.4	214	A	0.4	214	A	0.3	214
291	A	2.2	383	A	2.1	352	A	2.1	352	A	1.6	550	A	1.6	550	A	2.3	550	A	1.	311	A	1.1	311	A	1.	311	A	0.9	311	A	0.8	311
292	C	0.2	91	C	0.2	91	C	0.2	91	C	0.1	89	C	0.1	89	C	0.1	89	C	0.1	89	C	0.1	89	C	0.1	89	C	0.1	89	C	0.1	89
293	C	24.5	661	C	24.5	661	C	24.6	661	C	5.6	661	C	5.	661	C	6.8	661	C	8.3	661	C	8.8	661	C	8.7	674	C	8.7	674	C	6.9	674
294	C	24.9	705	C	24.9	705	C	25.1	705	C	6.1	705	C	5.5	705	C	7.9	705	C	10.1	789	C	10.3	789	C	10.	711	C	9.4	711	C	7.1	711
295	C	24.1	550	C	24.2	550	C	24.4	550	C	4.7	550	C	4.3	550	C	5.4	550	C	7.3	550	C	7.6	550	C	6.7	555	C	6.6	555	C	5.2	555
296	A	0.7	355	A	0.4	355	A	0.4	355	A	0.6	355	A	0.6	355	A	0.8	355	A	0.8	433	A	0.8	433	A	0.8	433	A	0.5	433	A	0.5	433
297	A	0.	133	A	0.	133	A	0.	133	A	0.	133	A	0.	133	A	0.	133	A	0.1	133	A	0.1	133	A	0.1	133	A	0.1	133	A	0.	133
298	A	0.1	433	A	0.1	433	A	0.1	433	A	0.2	433	A	0.2	433	A	0.3	433	A	0.3	433	A	0.3	433	A	0.3	433	A	0.2	433	A	0.2	433
299	A	0.1	351	A	0.1	351	A	0.1	351	A	0.1	351	A	0.1	351	A	0.2	351	A	0.2	351	A	0.2	351	A	0.2	351	A	0.2	351	A	0.1	351
300	A	0.	153	A	0.	153	A	0.	153	A	0.	153	A	0.	153	A	0.1	153	A	0.1	153	A	0.1	153	A	0.1	153	A	0.1	153	A	0.1	153
301	A	0.1	403	A	0.1	403	A	0.1	403	A	0.2	403	A	0.2	403	A	0.3	403	A	0.3	403	A	0.3	403	A	0.4	403	A	0.3	403	A	0.2	403
302	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.2	111	A	0.2	111	A	0.2	111	A	0.2	111	A	0.1	111

Table 29 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
303	A	0.4	275	A	0.4	275	A	0.4	275	A	0.7	275	A	0.7	275	A	0.9	275	A	1.2	275	A	1.3	275	A	1.2	275	A	1.	275	A	0.9	275
304	A	0.5	480	A	0.5	480	A	0.5	480	A	0.9	480	A	0.9	480	A	1.5	480	A	1.9	480	A	2.1	480	A	2.	480	A	2.1	480	A	1.3	480
305	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15
306	A	4.4	552	A	4.3	552	A	4.4	552	A	0.9	549	A	0.9	549	A	1.4	549	A	1.	547	A	1.	547	A	1.3	548	A	0.8	548	A	0.6	548
307	A	1.2	174	A	1.1	174	A	1.2	174	A	0.2	134	A	0.1	134	A	0.2	134	A	0.3	132	A	0.3	132	A	0.3	134	A	0.2	134	A	0.2	134
308	A	1.6	210	A	1.6	210	A	1.6	210	A	0.5	280	A	0.5	280	A	0.6	280	A	0.5	247	A	0.5	247	A	0.4	247	A	0.4	247	A	0.4	247
309	A	2.1	224	A	2.	224	A	2.1	224	A	0.3	147	A	0.3	147	A	0.4	147	A	0.3	221	A	0.3	221	A	0.3	220	A	0.3	220	A	0.2	220
310	A	11.7	485	A	11.8	485	A	11.9	485	A	3.1	485	A	3.	485	A	4.2	485	A	2.4	481	A	2.6	481	A	2.6	481	A	5.9	481	A	2.	481
311	A	11.4	535	A	11.4	535	A	11.4	535	A	2.3	535	A	2.2	535	A	3.2	535	A	3.2	590	A	2.9	590	A	2.6	590	A	3.4	590	A	1.5	590
312	A	0.9	198	A	0.8	198	A	0.9	198	A	0.1	127	A	0.1	127	A	0.2	127	A	0.3	158	A	0.4	158	A	0.3	158	A	0.3	158	A	0.2	158
313	A	10.3	323	A	10.4	323	A	10.4	323	A	0.6	323	A	0.6	323	A	0.8	323	A	0.8	351	A	0.9	351	A	2.3	357	A	2.4	357	A	1.2	357
314	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
315	A	0.5	600	A	0.4	600	A	0.4	600	A	0.7	600	A	0.7	600	A	1.	600	A	1.3	600	A	1.4	600	A	1.3	600	A	0.6	600	A	0.5	600
316	A	0.4	599	A	0.3	599	A	0.3	599	A	0.7	599	A	0.6	599	A	1.1	599	A	1.	599	A	1.1	599	A	1.	599	A	0.5	599	A	0.4	599
317	A	1.	350	A	1.	350	A	1.	350	A	0.7	317	A	0.6	317	A	0.8	317	A	0.8	317	A	0.8	317	A	0.7	317	A	0.7	317	A	0.6	317
318	A	1.8	478	A	1.9	478	A	1.9	478	A	1.9	481	A	1.8	481	A	2.3	481	A	2.2	480	A	2.3	480	A	2.7	480	A	2.8	480	A	2.	480
319	C	32.3	955	C	27.5	955	C	27.4	955	C	9.9	955	C	8.9	955	C	10.8	955	C	12.8	5706	C	12.7	5706	C	12.7	5706	C	12.6	1045	C	12.	955
320	C	22.1	405	C	22.1	405	C	22.1	405	C	1.9	405	C	1.7	405	C	2.1	405	C	2.6	405	C	2.9	405	C	2.9	405	C	2.1	421	C	1.9	421
321	B	2.2	1112	B	2.1	1112	B	2.1	1112	B	3.8	1226	B	3.4	1226	B	6.4	1226	B	3.	1259	B	0.8	4278	B	3.1	1259	B	1.8	1259	B	1.6	1259
322	A	0.1	216	A	0.	216	A	0.	216	A	0.1	216	A	0.1	216	A	0.1	216	A	0.1	216	A	0.1	216	A	0.1	216	A	0.1	216	A	0.1	216
323	A	0.	96	A	0.	96	A	0.	96	A	0.	96	A	0.	96	A	0.1	96	A	0.	96	A	0.	96	A	0.	96	A	0.	96	A	0.	96
324	A	0.	102	A	0.	102	A	0.	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102
325	A	0.1	143	A	0.	143	A	0.1	143	A	0.1	143	A	0.1	143	A	0.1	143	A	0.1	143	A	0.1	143	A	0.1	143	A	0.1	143	A	0.1	143
326	B	0.2	737	B	0.2	737	B	0.2	737	B	0.3	737	B	0.3	737	B	0.4	737	B	0.5	737	B	0.5	737	B	0.5	737	B	0.3	737	B	0.3	737
327	A	0.1	258	A	0.1	258	A	0.1	258	A	0.2	258	A	0.1	258	A	0.2	258	A	0.2	258	A	0.2	258	A	0.2	258	A	0.2	258	A	0.2	258
328	A	0.1	187	A	0.1	187	A	0.1	187	A	0.1	187	A	0.1	187	A	0.1	187	A	0.2	187	A	0.2	187	A	0.2	187	A	0.2	187	A	0.1	187
329	A	0.1	351	A	0.1	351	A	0.1	351	A	0.2	351	A	0.2	351	A	0.2	351	A	0.3	351	A	0.3	351	A	0.3	351	A	0.2	351	A	0.2	351
330	A	0.1	338	A	0.1	338	A	0.1	338	A	0.2	338	A	0.2	338	A	0.3	338	A	0.3	338	A	0.3	338	A	0.3	338	A	0.2	338	A	0.2	338
331	B	0.1	323	B	0.1	323	B	0.1	323	B	0.2	323	B	0.1	323	B	0.2	323	B	0.3	323	B	0.3	323	B	0.3	323	B	0.2	323	B	0.2	323
332	A	0.1	320	A	0.1	320	A	0.1	320	A	0.2	320	A	0.1	320	A	0.2	320	A	0.3	320	A	0.3	320	A	0.3	320	A	0.2	320	A	0.2	320
333	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31
334	A	0.1	69	A	0.	69	A	0.	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69
335	A	0.1	146	A	0.1	146	A	0.1	146	A	0.1	146	A	0.1	146	A	0.1	146	A	0.2	146	A	0.2	146	A	0.2	146	A	0.2	146	A	0.1	146
336	A	0.1	138	A	0.	138	A	0.	138	A	0.1	138	A	0.1	138	A	0.1	138	A	0.1	138	A	0.1	138	A	0.1	138	A	0.1	138	A	0.1	138

Table 29 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
337	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.1	61	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.	61
338	A	0.4	91	A	0.6	91	A	0.5	91	A	0.	45	A	0.	45	A	0.	45	A	0.	45	A	0.	45	A	0.	45	A	0.	45	A	0.	45
339	A	1.	74	A	1.	74	A	1.	74	A	0.	74	A	0.	74	A	0.	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.	74
340	A	1.	80	A	1.	80	A	1.	80	A	0.	80	A	0.	80	A	0.	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.	80
341	A	1.1	262	A	1.1	262	A	1.1	262	A	0.2	262	A	0.2	262	A	0.2	262	A	0.3	262	A	0.3	262	A	0.3	262	A	0.2	262	A	0.2	262
342	A	1.1	240	A	1.1	240	A	1.1	240	A	0.2	240	A	0.1	240	A	0.2	240	A	0.3	240	A	0.4	240	A	0.3	240	A	0.2	240	A	0.2	240
343	A	1.1	229	A	1.1	229	A	1.1	229	A	0.1	229	A	0.1	229	A	0.2	229	A	0.2	229	A	0.2	229	A	0.2	229	A	0.2	229	A	0.1	229
344	A	1.2	501	A	1.2	501	A	1.2	501	A	0.3	501	A	0.3	501	A	0.4	501	A	0.6	501	A	0.6	501	A	0.6	501	A	0.4	501	A	0.4	501
345	B	1.1	466	B	1.1	466	B	1.1	466	B	0.2	466	B	0.2	466	B	0.4	466	B	0.4	466	B	0.5	466	B	0.5	466	B	0.3	466	B	0.2	466
346	A	1.1	471	A	1.1	471	A	1.1	471	A	0.2	471	A	0.2	471	A	0.3	471	A	0.5	471	A	0.5	471	A	0.5	471	A	0.3	471	A	0.3	471
347	A	1.1	118	A	1.1	118	A	1.1	118	A	0.1	118	A	0.1	118	A	0.1	118	A	0.1	118	A	0.1	118	A	0.1	118	A	0.1	118	A	0.1	118
348	B	0.4	177	B	0.4	177	B	0.4	177	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40
349	B	0.6	255	B	0.7	255	B	0.7	255	A	0.	66	A	0.	66	A	0.	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.	66
350	A	1.1	168	A	1.1	168	A	1.1	168	A	0.2	168	A	0.2	168	A	0.2	168	A	0.3	168	A	0.3	168	A	0.7	164	A	0.4	164	A	0.4	164
351	B	0.5	176	B	0.6	176	B	0.6	176	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	37
352	A	1.1	174	A	1.1	174	A	1.1	174	A	0.2	174	A	0.2	174	A	0.2	174	A	0.3	174	A	0.3	174	A	0.3	174	A	0.2	174	A	0.2	174
353	A	1.2	513	A	1.2	513	A	1.2	513	A	0.4	513	A	0.4	513	A	0.5	513	A	0.7	513	A	0.7	513	A	0.7	513	A	0.5	513	A	0.4	513
354	A	1.1	331	A	1.1	331	A	1.1	331	A	0.3	331	A	0.2	331	A	0.3	331	A	0.4	331	A	0.4	331	A	0.4	331	A	0.3	331	A	0.3	331
355	A	1.1	239	A	1.1	239	A	1.1	239	A	0.2	239	A	0.1	239	A	0.2	239	A	0.3	239	A	0.3	239	A	0.3	239	A	0.2	239	A	0.2	239
356	A	1.1	142	A	1.1	142	A	1.1	142	A	0.1	142	A	0.1	142	A	0.1	142	A	0.1	142	A	0.1	142	A	0.1	142	A	0.1	142	A	0.1	142
357	B	1.4	504	A	1.	75	A	1.	75	A	0.	75	A	0.	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	73
358	B	0.7	345	B	0.9	345	B	0.9	345	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	38
359	A	0.	137	A	0.	137	A	0.	137	A	0.1	107	A	0.1	107	A	0.2	107	A	0.2	137	A	0.2	137	A	0.2	137	A	0.1	137	A	0.1	137
360	A	0.	135	A	0.	135	A	0.	135	A	0.1	107	A	0.1	107	A	0.2	107	A	0.2	135	A	0.2	135	A	0.2	134	A	0.1	134	A	0.1	134
361	A	0.3	340	A	0.3	340	A	0.3	340	A	0.2	183	A	0.2	183	A	0.3	183	A	0.7	340	A	0.8	340	A	0.8	340	A	0.4	340	A	0.4	340
362	A	0.3	339	A	0.3	339	A	0.3	339	A	0.2	183	A	0.2	183	A	0.2	183	A	0.5	339	A	0.6	339	A	0.5	339	A	0.4	339	A	0.3	339
363	B	0.6	628	B	0.5	628	B	0.5	628	A	0.4	259	A	0.4	259	A	0.5	259	B	1.6	628	B	1.6	628	B	1.6	628	B	0.8	628	B	0.7	628
364	B	0.4	624	B	0.4	624	B	0.4	624	A	0.2	259	A	0.2	259	A	0.3	259	B	0.9	624	B	0.9	624	B	0.9	624	B	0.5	624	B	0.4	624
365	A	0.5	210	A	0.5	210	A	0.5	210	A	0.5	166	A	0.5	166	A	0.6	166	A	0.6	179	A	0.7	179	A	0.6	179	A	0.5	179	A	0.4	179
366	A	1.3	306	A	1.4	306	A	1.4	306	C	0.1	99	C	0.1	99	C	0.1	99	A	0.5	222	A	0.6	222	A	0.7	210	A	0.6	210	A	0.6	210
367	A	0.9	211	A	1.2	211	A	1.2	211	C	0.1	99	C	0.1	99	C	0.1	99	A	0.6	177	A	0.6	177	A	0.6	177	A	0.5	177	A	0.4	177
368	A	0.7	213	A	1.1	213	A	1.1	213	C	0.1	98	C	0.1	98	C	0.1	98	A	0.6	165	A	0.6	165	A	0.5	165	A	0.5	165	A	0.4	165
369	A	3.9	705	A	4.6	705	A	4.5	705	C	0.1	99	C	0.1	99	C	0.1	99	A	2.9	316	A	3.1	316	A	3.	316	A	6.2	316	A	2.3	316
370	A	0.	86	A	0.	86	A	0.	86	A	0.1	86	A	0.1	86	A	0.1	86	A	0.1	86	A	0.1	86	A	0.1	87	A	0.1	87	A	0.1	87



Table 29 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
371	A	0.2	245	A	0.2	245	A	0.2	245	A	0.3	163	A	0.3	163	A	0.4	163	A	0.4	245	A	0.5	245	A	0.4	245	A	0.4	245	A	0.3	245
372	A	0.2	246	A	0.2	246	A	0.2	246	A	0.2	163	A	0.2	163	A	0.4	163	A	0.3	246	A	0.4	246	A	0.4	246	A	0.3	246	A	0.2	246
373	A	0.1	240	A	0.1	240	A	0.1	240	A	0.2	240	A	0.1	240	A	0.2	240	A	0.3	240	A	0.3	240	A	0.3	240	A	0.2	240	A	0.2	240
374	A	0.4	491	A	0.4	491	A	0.4	491	A	0.3	239	A	0.4	239	A	0.4	239	A	0.9	491	A	1.	491	A	0.9	491	A	0.4	491	A	0.4	491
375	A	0.4	490	A	0.3	490	A	0.3	490	A	0.2	239	A	0.3	239	A	0.4	239	A	0.8	490	A	0.8	490	A	0.8	490	A	0.4	490	A	0.4	490
376	A	0.4	489	A	0.4	489	A	0.4	489	A	0.3	239	A	0.3	239	A	0.5	239	A	0.8	489	A	0.8	489	A	0.8	489	A	0.6	489	A	0.5	489
377	A	0.1	230	A	0.2	235	A	0.2	235	C	0.1	111	C	0.1	111	C	0.1	111	A	0.8	191	A	0.8	191	A	0.8	191	A	0.6	191	A	0.5	191
378	A	2.8	558	A	2.9	559	A	2.9	559	C	0.1	115	C	0.1	115	C	0.1	115	A	2.8	295	A	3.	295	A	3.	295	A	5.9	295	A	2.2	297
379	A	0.5	183	A	0.3	183	A	0.3	183	A	0.3	183	A	0.3	183	A	0.4	183	A	0.7	409	A	0.8	409	A	0.8	410	A	0.6	410	A	0.5	410
380	A	0.4	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.2	94	A	0.2	94	A	0.2	94	A	0.1	94	A	0.1	94
381	A	0.4	97	A	0.1	97	A	0.1	97	A	0.1	97	A	0.1	97	A	0.2	97	A	0.3	97	A	0.3	97	A	0.3	98	A	0.2	98	A	0.2	98
382	A	0.	161	A	0.	161	A	0.	161	A	0.	161	A	0.	161	A	0.1	161	A	0.	161	A	0.	161	A	0.	161	A	0.	161	A	0.	161
383	B	0.	413	B	0.	413	B	0.	413	B	0.1	413	B	0.1	413	B	0.1	413	B	0.1	413	B	0.1	413	B	0.1	413	B	0.1	413	B	0.1	413
384	B	0.	189	B	0.	189	B	0.	189	B	0.	189	B	0.	189	B	0.	189	B	0.1	189	B	0.1	189	B	0.1	189	B	0.	189	B	0.	189
385	A	0.1	304	A	0.1	304	A	0.1	304	A	0.1	304	A	0.1	304	A	0.2	304	A	0.2	304	A	0.2	304	A	0.2	304	A	0.2	304	A	0.1	304
386	B	0.1	387	B	0.1	387	B	0.1	387	B	0.1	387	B	0.1	387	B	0.2	387	B	0.2	387	B	0.2	387	B	0.2	387	B	0.2	387	B	0.2	387
387	B	0.1	388	B	0.1	388	B	0.1	388	B	0.1	388	B	0.1	388	B	0.2	388	B	0.2	388	B	0.2	388	B	0.2	388	B	0.2	388	B	0.2	388
388	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.1	74	A	0.	74	A	0.	74	A	0.	74
389	A	0.1	98	A	0.	98	A	0.	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98
390	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27
391	A	0.	130	A	0.	130	A	0.	130	A	0.1	130	A	0.1	130	A	0.1	130	A	0.1	130	A	0.1	130	A	0.1	130	A	0.3	130	A	0.2	130
392	A	1.	145	A	1.	97	A	1.	97	A	0.	97	A	0.	97	A	0.	97	A	0.1	97	A	0.1	97	A	0.1	97	A	0.1	97	A	0.	97
393	A	1.	73	A	1.	73	A	1.	73	A	0.	73	A	0.	73	A	0.	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.	73
394	A	1.	73	A	1.	73	A	1.	73	A	0.	73	A	0.	73	A	0.	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.	73	A	0.	73
395	A	1.1	377	A	1.1	377	A	1.1	377	A	0.1	377	A	0.1	377	A	0.2	377	A	0.3	377	A	0.2	377	A	0.2	377	A	0.2	377	A	0.1	377
396	A	1.	212	A	1.1	212	A	1.	212	A	0.1	212	A	0.1	212	A	0.1	212	A	0.1	212	A	0.1	212	A	0.1	212	A	0.1	212	A	0.1	212
397	A	1.1	679	A	1.1	679	A	1.1	679	A	0.2	679	A	0.2	679	A	0.4	679	A	0.5	679	A	0.5	679	A	0.4	679	A	0.3	679	A	0.3	679
398	A	1.1	217	A	1.1	217	A	1.	217	A	0.1	217	A	0.1	217	A	0.1	217	A	0.1	217	A	0.1	217	A	0.1	217	A	0.1	217	A	0.1	217
399	A	1.	140	A	1.	140	A	1.	140	A	0.1	140	A	0.1	140	A	0.1	140	A	0.1	140	A	0.1	140	A	0.1	140	A	0.1	140	A	0.1	140
400	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25
401	A	1.1	320	A	1.1	320	A	1.1	320	A	0.2	320	A	0.2	320	A	0.3	320	A	0.4	320	A	0.4	320	A	0.4	320	A	0.3	320	A	0.2	320
402	A	1.1	318	A	1.1	318	A	1.1	318	A	0.2	318	A	0.2	318	A	0.2	318	A	0.3	318	A	0.3	318	A	0.3	318	A	0.2	318	A	0.2	318
403	A	1.1	295	A	1.1	295	A	1.1	295	A	0.1	295	A	0.1	295	A	0.1	295	A	0.2	295	A	0.2	295	A	0.2	295	A	0.2	295	A	0.1	295
404	A	1.1	295	A	1.1	295	A	1.1	295	A	0.1	295	A	0.1	295	A	0.2	295	A	0.2	295	A	0.2	295	A	0.2	295	A	0.2	295	A	0.1	295

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	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
405	A	1.1	295	A	1.1	295	A	1.1	295	A	0.1	295	A	0.1	295	A	0.2	295	A	0.2	295	A	0.3	295	A	0.2	295	A	0.2	295	A	0.1	295
406	A	1.1	295	A	1.1	295	A	1.1	295	A	0.1	295	A	0.1	295	A	0.2	295	A	0.2	295	A	0.2	295	A	0.2	295	A	0.2	295	A	0.1	295
407	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30
408	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26
409	A	1.1	170	A	1.1	170	A	1.1	170	A	0.1	170	A	0.1	170	A	0.1	170	A	0.1	170	A	0.1	170	A	0.1	170	A	0.1	170	A	0.1	170
410	A	1.1	135	A	1.1	135	A	1.1	135	A	0.1	135	A	0.1	135	A	0.1	135	A	0.2	135	A	0.2	135	A	0.2	135	A	0.1	135	A	0.1	129
411	A	1.1	116	A	1.1	116	A	1.1	116	A	0.1	116	A	0.1	116	A	0.1	116	A	0.2	116	A	0.2	116	A	0.2	116	A	0.1	116	A	0.1	122
412	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	99	A	0.1	99
413	A	0.1	217	A	0.1	217	A	0.1	217	A	0.1	123	A	0.1	123	A	0.2	123	A	0.3	217	A	0.3	217	A	0.3	217	A	0.2	217	A	0.2	217
414	A	0.1	217	A	0.1	217	A	0.1	217	A	0.1	123	A	0.1	123	A	0.2	123	A	0.2	217	A	0.2	217	A	0.2	217	A	0.2	217	A	0.1	217
415	A	0.1	216	A	0.1	216	A	0.1	216	A	0.1	123	A	0.1	123	A	0.1	123	A	0.2	216	A	0.2	216	A	0.2	216	A	0.2	216	A	0.1	216
416	A	0.2	376	A	0.2	376	A	0.2	376	A	0.2	167	A	0.2	167	A	0.2	167	A	0.5	376	A	0.6	376	A	0.6	376	A	0.4	376	A	0.3	376
417	A	0.1	149	A	0.1	149	A	0.2	149	A	0.2	132	A	0.2	132	A	0.3	132	A	0.2	149	A	0.2	149	A	0.2	149	A	0.2	149	A	0.1	149
418	A	0.1	108	A	0.1	108	A	0.1	108	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	108	A	0.1	108	A	0.1	108	A	0.1	108	A	0.1	108
419	A	0.7	162	A	0.8	162	A	0.8	162	A	0.2	152	A	0.2	152	A	0.3	152	A	0.2	139	A	0.3	139	A	0.3	139	A	0.3	139	A	0.2	139
420	A	0.2	167	A	0.5	166	A	0.5	166	C	0.	50	C	0.	50	C	0.	50	A	0.5	145	A	0.5	145	A	0.5	147	A	0.5	147	A	0.4	147
421	A	0.	79	A	0.1	79	A	0.	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79
422	A	0.1	172	A	0.1	172	A	0.1	172	A	0.1	172	A	0.1	172	A	0.2	172	A	0.1	172	A	0.2	172	A	0.1	172	A	0.1	172	A	0.1	172
423	A	0.1	173	A	0.1	173	A	0.1	173	A	0.1	171	A	0.1	171	A	0.2	171	A	0.3	128	A	0.3	128	A	0.3	128	A	0.2	128	A	0.2	128
424	A	0.2	307	A	0.1	307	A	0.1	307	A	0.2	163	A	0.2	163	A	0.3	163	A	0.3	307	A	0.3	307	A	0.3	307	A	0.2	307	A	0.2	307
425	A	0.2	309	A	0.2	309	A	0.2	309	A	0.2	163	A	0.2	163	A	0.3	163	A	0.3	165	A	0.4	165	A	0.3	165	A	0.3	165	A	0.3	165
426	A	0.2	309	A	0.2	309	A	0.2	309	A	0.2	163	A	0.2	163	A	0.3	163	A	0.3	163	A	0.4	163	A	0.3	163	A	0.3	163	A	0.3	163
427	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30
428	A	0.3	170	A	0.4	180	A	0.4	180	C	0.	66	C	0.	66	C	0.	66	A	0.4	155	A	0.5	155	A	0.4	155	A	0.4	155	A	0.3	155
429	A	0.5	173	A	0.6	173	A	0.6	173	C	0.	68	C	0.	68	C	0.1	68	A	0.4	157	A	0.4	157	A	0.4	152	A	0.4	152	A	0.3	152
430	A	0.5	180	A	0.6	191	A	0.6	191	C	0.	66	C	0.	66	C	0.	66	A	0.7	159	A	0.7	159	A	0.7	159	A	0.8	159	A	0.6	161
431	A	0.3	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51
432	A	0.4	139	A	0.2	139	A	0.2	139	A	0.2	139	A	0.2	139	A	0.2	139	A	0.4	310	A	0.5	310	A	0.4	310	A	0.3	310	A	0.3	310
433	A	0.3	68	A	0.1	68	A	0.1	68	A	0.	68	A	0.	68	A	0.	68	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
434	A	0.3	70	A	0.1	70	A	0.1	70	A	0.	70	A	0.	70	A	0.	70	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
435	A	0.3	42	A	0.1	42	A	0.1	42	A	0.	42	A	0.	42	A	0.	42	A	0.1	42	A	0.1	42	A	0.1	42	A	0.1	42	A	0.1	42
436	A	0.3	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.4	222	A	0.4	222	A	0.4	222	A	0.2	222	A	0.2	222
437	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25
438	A	13.6	527	A	0.9	448	A	0.9	448	B	6.3	1207	B	6.3	1207	B	6.3	1207	C	1.2	500	C	1.3	500	C	1.6	455	C	1.	455	C	0.8	455

Table 29 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
439	A	0.6	148	A	0.5	181	A	0.5	181	A	0.6	174	A	0.5	174	A	0.6	174	C	0.4	157	C	0.4	157	C	0.4	164	C	0.3	164	C	0.2	164
440	A	10.1	232	A	0.2	244	A	0.2	244	A	0.2	232	A	0.2	232	A	0.3	232	A	0.4	193	A	0.4	193	A	0.4	193	A	0.3	193	A	0.3	193
441	B	16.5	1418	A	2.2	733	A	2.2	733	B	6.5	1418	B	6.5	1418	B	6.6	1418	C	4.5	739	C	4.7	739	C	4.2	738	C	6.3	1186	C	2.7	735
442	A	0.9	196	A	0.9	217	A	0.9	217	A	1.	208	A	1.	208	A	1.2	208	C	1.1	214	C	1.1	214	C	1.1	210	C	1.1	210	C	0.8	210
443	A	1.6	104	A	0.2	104	A	0.2	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.3	104	A	0.3	104	A	0.3	104	A	0.2	104	A	0.2	104
444	B	14.6	4593	A	0.4	349	A	0.4	349	A	0.3	349	A	0.3	349	A	0.5	349	A	1.3	266	A	1.4	266	A	1.3	266	A	0.8	266	A	0.7	266
445	B	12.9	4324	A	0.3	169	A	0.3	169	A	0.2	169	A	0.2	169	A	0.3	169	A	0.5	169	A	0.6	169	A	0.5	169	A	0.5	169	A	0.4	169
446	A	0.8	141	A	0.2	141	A	0.2	141	A	0.6	189	A	0.5	189	A	0.7	189	C	0.5	156	C	0.5	156	C	0.5	156	C	0.3	156	C	0.3	156
447	A	0.9	166	A	0.2	166	A	0.2	166	A	0.1	166	A	0.1	166	A	0.2	166	A	0.3	156	A	0.3	156	A	0.3	156	A	0.2	156	A	0.2	156
448	A	0.8	149	A	0.2	149	A	0.2	149	A	0.1	149	A	0.1	149	A	0.2	149	A	0.4	149	A	0.4	149	A	0.4	148	A	0.3	148	A	0.3	148
449	A	10.2	468	A	0.4	468	A	0.4	468	A	0.3	468	A	0.3	468	A	0.6	468	A	1.1	262	A	1.2	262	A	1.1	262	A	1.	262	A	0.9	262
450	A	0.1	77	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78
451	A	0.4	367	A	0.3	367	A	0.3	367	A	0.5	367	A	0.4	367	A	0.7	367	A	0.9	367	A	0.9	367	A	0.9	367	A	0.6	367	A	0.5	367
452	A	0.1	77	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.2	78	A	0.2	78	A	0.2	78	A	0.2	78	A	0.1	78	A	0.1	78
453	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63
454	A	0.2	137	A	0.2	137	A	0.2	137	A	0.2	148	A	0.1	148	A	0.2	148	A	0.4	141	A	0.4	141	A	0.4	141	A	0.3	141	A	0.3	141
455	A	0.4	151	A	0.4	153	A	0.4	153	A	0.2	153	A	0.2	153	A	0.2	153	A	0.4	152	A	0.4	152	A	0.4	152	A	0.3	152	A	0.3	152
456	A	0.5	193	A	0.5	196	A	0.5	196	A	0.7	209	A	0.6	209	A	0.9	209	A	1.4	194	A	1.5	194	A	1.1	194	A	1.3	194	A	0.9	194
457	A	0.5	183	A	0.4	172	A	0.4	172	C	0.1	117	C	0.1	117	C	0.1	117	A	1.2	188	A	1.3	188	A	1.2	188	A	1.3	188	A	0.9	188
458	A	0.8	252	A	0.8	255	A	0.9	255	C	0.1	129	C	0.1	129	C	0.2	129	A	1.7	243	A	1.9	243	A	2.3	226	A	2.9	226	A	1.6	226
459	A	0.7	155	A	0.5	155	A	0.5	155	A	0.4	155	A	0.4	155	A	0.5	155	A	0.5	183	A	0.5	183	A	0.5	183	A	0.4	183	A	0.4	183
460	A	0.8	176	A	0.5	176	A	0.5	176	A	0.4	176	A	0.4	176	A	0.5	176	A	0.6	178	A	0.6	178	A	0.6	178	A	0.5	178	A	0.4	178
461	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73
462	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28
463	A	0.	72	A	0.	72	A	0.	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72
464	C	32.1	423	C	32.2	423	C	32.2	423	C	2.	423	C	1.7	423	C	2.2	423	C	2.8	423	C	2.8	423	C	2.7	423	C	3.1	423	C	2.1	423
465	A	0.1	180	A	0.	180	A	0.	180	A	0.1	180	A	0.1	180	A	0.1	180	A	0.1	180	A	0.1	180	A	0.1	180	A	0.1	180	A	0.1	180
466	A	0.1	298	A	0.1	298	A	0.1	298	A	0.2	298	A	0.2	298	A	0.4	298	A	0.5	298	A	0.5	298	A	0.4	298	A	0.3	298	A	0.2	298
467	A	0.3	957	A	0.3	957	A	0.3	957	A	0.6	957	A	0.5	957	A	1.	957	A	1.2	957	A	1.2	957	A	1.2	961	A	0.6	961	A	0.6	961
468	A	0.3	849	A	0.3	849	A	0.3	849	A	0.6	849	A	0.5	849	A	1.7	849	A	2.	849	A	2.1	849	A	2.1	849	A	0.7	849	A	0.6	849
469	A	0.5	142	A	0.2	142	A	0.2	142	A	0.3	142	A	0.3	142	A	0.3	142	A	0.2	142	A	0.2	142	A	0.2	142	A	0.2	142	A	0.1	142
470	A	0.	140	A	0.	140	A	0.	140	A	0.	140	A	0.	140	A	0.	140	A	0.1	140	A	0.1	140	A	0.1	140	A	0.	140	A	0.	140
471	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70
472	A	0.	77	A	0.	77	A	0.	77	A	0.	77	A	0.	77	A	0.	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.	77	A	0.	77

Table 29 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
473	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125	A	0.2	125	A	0.2	125	A	0.3	125	A	0.2	125	A	0.2	125	A	0.2	125
474	A	0.4	408	A	0.4	408	A	0.4	408	A	0.8	408	A	0.8	408	A	1.4	408	A	1.6	408	A	1.7	408	A	1.6	409	A	1.5	409	A	0.9	409
475	A	1.7	668	A	1.7	668	A	1.7	668	A	3.3	668	A	3.3	668	A	5.1	668	A	6.2	668	A	6.3	668	A	6.1	670	A	6.6	857	A	3.9	670
476	A	5.1	1050	A	5.2	1050	A	5.2	1050	A	6.8	1409	A	6.9	1409	A	7.1	1409	A	7.4	1409	A	7.5	1409	A	7.4	1409	A	7.1	1409	A	7.	1409
477	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.1	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34
478	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22
479	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47
480	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34
481	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33
482	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57
483	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75
484	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.1	56	A	0.	56	A	0.	56	A	0.	56
485	A	0.2	71	A	0.3	71	A	0.3	71	A	0.1	72	A	0.	72	A	0.1	72	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70
486	A	0.3	96	A	0.4	96	A	0.4	96	A	0.1	103	A	0.1	103	A	0.1	103	A	0.1	152	A	0.1	152	A	0.1	152	A	0.1	152	A	0.1	152
487	A	0.4	103	A	0.4	103	A	0.4	103	A	0.1	110	A	0.1	110	A	0.1	110	A	0.2	119	A	0.2	119	A	0.1	119	A	0.1	119	A	0.1	119
488	A	0.7	98	A	0.7	98	A	0.7	98	A	0.2	207	A	0.2	207	A	0.3	207	A	0.2	115	A	0.2	115	A	0.2	117	A	0.2	117	A	0.2	117
489	A	0.8	101	A	0.8	101	A	0.8	101	A	0.2	138	A	0.2	138	A	0.2	138	A	0.1	100	A	0.1	100	A	0.1	100	A	0.1	100	A	0.1	100
490	A	0.7	123	A	0.7	123	A	0.7	123	A	0.1	130	A	0.1	130	A	0.2	130	A	0.2	139	A	0.2	139	A	0.2	141	A	0.2	141	A	0.2	141
491	A	0.7	123	A	0.7	123	A	0.7	123	A	0.1	130	A	0.1	130	A	0.2	130	A	0.2	141	A	0.2	141	A	0.2	141	A	0.2	141	A	0.2	141
492	A	1.1	355	A	1.1	355	A	1.1	355	A	0.6	357	A	0.6	357	A	0.8	357	A	0.7	355	A	0.7	355	A	0.8	354	A	0.6	354	A	0.5	354
493	A	10.3	264	A	10.3	264	A	10.3	264	A	0.6	264	A	0.6	264	A	0.8	264	A	1.3	327	A	1.3	327	A	1.5	340	A	2.7	340	A	1.1	340
494	A	10.5	434	A	10.6	434	A	10.6	434	A	1.	434	A	1.1	434	A	1.5	434	A	3.	539	A	3.2	539	A	5.3	545	A	6.4	663	A	3.4	545
495	A	2.2	404	A	2.1	404	A	2.1	404	A	0.7	426	A	0.7	426	A	1.2	426	A	0.9	401	A	1.	401	A	1.1	401	A	0.8	401	A	0.7	401
496	A	3.3	508	A	3.4	508	A	3.3	508	A	1.5	505	A	1.5	505	A	3.1	505	A	3.4	503	A	3.7	503	A	1.5	534	A	1.1	534	A	1.	534
497	A	10.7	437	A	10.7	437	A	10.7	437	A	1.1	437	A	1.2	437	A	1.9	437	A	3.9	479	A	4.	479	A	6.5	664	A	5.6	472	A	2.9	472
498	A	12.8	754	A	12.9	754	A	12.9	754	A	5.2	754	A	5.7	754	A	6.4	1365	A	7.3	1078	A	7.5	1078	A	7.4	1078	A	6.2	777	A	6.9	1078
499	B	6.	711	B	6.2	711	B	6.1	711	B	1.6	711	B	1.6	711	B	3.3	711	A	4.3	416	A	4.5	416	A	4.3	420	A	1.2	420	A	1.1	420
500	A	0.1	21	A	0.1	21	A	0.1	21	A	0.1	21	A	0.1	21	A	0.1	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21
501	A	0.4	90	A	0.4	90	A	0.4	90	A	0.1	113	A	0.1	113	A	0.1	113	A	0.2	95	A	0.2	95	A	0.2	95	A	0.2	95	A	0.1	95
502	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28
503	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38
504	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48
505	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48
506	A	0.1	55	A	0.1	55	A	0.1	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73

Table 29 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
507	A	0.	38	A	0.1	38	A	0.1	38	A	0.	38	A	0.	38	A	0.	38	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56
508	A	0.1	55	A	0.1	55	A	0.1	55	A	0.	55	A	0.	55	A	0.	55	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73
509	A	0.1	77	A	0.2	77	A	0.2	77	A	0.1	85	A	0.1	85	A	0.1	85	A	0.1	103	A	0.1	103	A	0.1	103	A	0.1	103	A	0.1	103
510	A	0.1	82	A	0.2	82	A	0.2	82	A	0.1	94	A	0.1	94	A	0.1	94	A	0.2	110	A	0.2	110	A	0.2	110	A	0.2	110	A	0.2	110
511	A	0.2	80	A	0.2	80	A	0.2	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.3	98	A	0.3	98	A	0.2	118	A	0.2	118	A	0.1	118
512	A	0.1	82	A	0.2	82	A	0.2	82	A	0.1	82	A	0.1	82	A	0.1	82	A	0.2	118	A	0.2	118	A	0.2	118	A	0.2	118	A	0.2	118
513	A	31.3	203	A	29.	203	A	28.9	203	A	0.4	203	A	0.4	203	A	0.5	203	A	0.5	203	A	0.6	203	A	0.6	205	A	0.5	205	A	0.4	205
514	A	31.2	198	A	27.2	198	A	27.1	198	A	0.3	198	A	0.3	198	A	0.4	198	A	0.4	198	A	0.4	198	A	0.4	198	A	0.4	198	A	0.3	198
515	A	31.3	217	A	31.3	217	A	31.3	217	A	0.4	217	A	0.4	217	A	0.5	217	A	0.6	217	A	0.6	217	A	0.3	187	A	0.3	187	A	0.2	187
516	A	31.3	192	A	28.2	192	A	28.1	192	A	0.4	192	A	0.3	192	A	0.5	192	A	0.5	192	A	0.6	192	A	0.5	192	A	0.4	192	A	0.4	192
517	A	31.3	228	A	31.3	228	A	31.3	228	A	0.4	228	A	0.4	228	A	0.6	228	A	0.6	228	A	0.6	228	A	0.6	230	A	0.5	230	A	0.5	230
518	A	31.3	218	A	31.3	218	A	31.3	218	A	0.4	218	A	0.4	218	A	0.5	218	A	0.5	218	A	0.6	218	A	0.6	220	A	0.5	220	A	0.4	220
519	A	31.2	188	A	31.2	188	A	31.3	188	A	0.3	188	A	0.3	188	A	0.4	188	A	0.5	188	A	0.5	188	A	0.5	190	A	0.4	190	A	0.4	190
520	A	31.3	177	A	31.3	177	A	31.3	177	A	0.5	177	A	0.4	177	A	0.5	177	A	0.7	177	A	0.7	177	A	0.4	185	A	0.4	185	A	0.3	185
521	A	31.1	104	A	31.2	104	A	31.2	104	A	0.2	104	A	0.2	104	A	0.3	104	A	0.2	104	A	0.2	104	A	0.2	104	A	0.2	104	A	0.2	104
522	A	31.2	187	A	31.2	187	A	31.2	187	A	0.4	187	A	0.3	187	A	0.4	187	A	0.5	187	A	0.5	187	A	0.5	187	A	0.4	187	A	0.4	187
523	A	31.3	196	A	31.3	196	A	31.3	196	A	0.4	196	A	0.4	196	A	0.5	196	A	0.5	196	A	0.5	196	A	0.7	224	A	0.7	224	A	0.5	224
524	A	31.3	196	A	31.3	196	A	31.3	196	A	0.4	196	A	0.3	196	A	0.5	196	A	0.5	196	A	0.6	196	A	0.7	223	A	0.7	223	A	0.5	223
525	A	31.3	196	A	31.3	196	A	31.3	196	A	0.4	196	A	0.3	196	A	0.5	196	A	0.5	196	A	0.5	196	A	1.2	208	A	1.2	208	A	0.9	208
526	C	33.9	1287	C	31.9	1287	C	32.	1287	C	13.6	1287	C	12.8	1287	C	14.1	7589	C	14.7	7589	C	14.2	7589	C	14.1	7589	C	14.	7589	C	13.7	7589
527	C	33.3	962	C	27.8	962	C	27.9	962	C	10.7	962	C	10.	962	C	11.7	1067	C	13.	5246	C	12.8	5246	C	12.7	5246	C	12.7	5246	C	12.2	1067
528	A	0.6	181	A	0.3	181	A	0.3	181	A	0.4	181	A	0.4	181	A	0.5	181	A	0.4	207	A	0.4	207	A	0.4	210	A	0.3	210	A	0.2	210
529	A	0.6	197	A	0.4	197	A	0.4	197	A	0.5	197	A	0.5	197	A	0.6	197	A	1.	305	A	1.1	305	A	0.9	379	A	0.7	379	A	0.8	379

## 2.28 1\_Algebraic\_functions\1.2Trinomialproducts\1.2.1Quadratic\1.2.1.4(d+ex)^m(f+gx)^n(a+bx+cx^2)^p

Table 30: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.3 103	A 0.2 103	A 0.2 103	A 0.1 112	A 0.1 112	A 0.2 112	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91
2	A 0.4 114	A 0.3 114	A 0.3 114	A 0.2 124	A 0.1 124	A 0.2 124	A 0.1 103	A 0.1 103	A 0.1 103	A 0.1 103	A 0.1 103	A 0.1 103
3	A 0.3 142	A 0.3 142	A 0.3 142	C 0. 59	C 0. 59	C 0. 59	A 0.2 117	A 0.2 117	A 0.2 117	A 0.1 117	A 0.1 117	A 0.1 117
4	A 0.3 82	A 0.3 82	A 0.3 82	A 0. 82	A 0. 82	A 0. 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82
5	A 0.3 103	A 0.3 103	A 0.3 103	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92
6	A 0.3 92	A 0.2 92	A 0.2 92	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81
7	A 0.3 80	A 0.2 80	A 0.2 80	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70
8	A 0.3 99	A 0.2 99	A 0.2 99	A 0.2 87	A 0.2 87	A 0.2 87	A 0.2 76	A 0.2 76	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84
9	A 0.3 131	A 0.2 131	A 0.2 131	C 0. 79	C 0. 79	C 0. 79	A 0.2 106	A 0.2 106	A 0.2 106	A 0.1 106	A 0.1 106	A 0.1 106
10	A 0.5 135	A 0.4 135	A 0.4 135	C 0.1 90	C 0.1 90	C 0.1 90	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112
11	A 0.5 161	A 0.5 161	A 0.5 161	C 0.1 105	C 0.1 105	C 0.1 105	A 0.1 138	A 0.1 138	A 0.1 138	A 0.1 138	A 0.1 138	A 0.1 138
12	A 0.7 158	A 0.6 158	A 0.6 158	A 0.4 167	A 0.4 167	A 0.4 167	A 0.2 164	A 0.2 164	A 0.2 164	A 0.1 164	A 0.1 164	A 0.1 164
13	A 0.4 155	A 0.4 155	A 0.4 155	A 0.3 156	A 0.3 156	A 0.4 156	A 0.1 135	A 0.1 135	A 0.1 135	A 0.1 135	A 0.1 135	A 0.1 135
14	A 0.6 203	A 0.6 203	A 0.6 203	C 0.7 259	C 0.7 259	C 0.9 259	A 0.3 166	A 0.3 166	A 0.3 166	A 0.2 166	A 0.2 166	A 0.2 166
15	A 0.5 195	A 0.5 195	A 0.6 195	C 0.1 199	C 0.1 199	C 0.1 199	A 0.5 167	A 0.5 167	A 0.4 167	A 0.4 167	A 0.3 167	A 0.3 167
16	A 0.5 189	A 0.5 189	A 0.5 189	C 0.1 112	C 0.1 112	C 0.1 112	A 0.3 172	A 0.3 172	A 0.3 172	A 0.2 172	A 0.2 172	A 0.2 172
17	A 0.5 98	A 0.4 98	A 0.4 98	A 0.2 119	A 0.2 119	A 0.2 119	A 0.1 86	A 0.2 86	A 0.2 86	A 0.1 86	A 0.1 86	A 0.1 86
18	A 0.1 109	A 0.2 109	A 0.2 109	A 0.1 84	A 0.1 84	A 0.2 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84
19	A 0.3 103	A 0.2 103	A 0.2 103	A 0.1 112	A 0.1 112	A 0.2 112	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91
20	A 0.4 136	A 0.4 136	A 0.4 136	A 0.2 124	A 0.2 124	A 0.2 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124
21	A 0.4 146	A 0.4 146	A 0.4 146	A 0.2 116	A 0.2 116	A 0.2 116	A 0.2 116	A 0.2 116	A 0.2 116	A 0.1 116	A 0.1 116	A 0.1 116
22	A 0.4 153	A 0.4 153	A 0.4 153	A 0.2 128	A 0.2 128	A 0.3 128	A 0.1 128	A 0.1 128	A 0.1 128	A 0.1 128	A 0.1 128	A 0.1 128
23	A 0.3 100	A 0.2 100	A 0.3 100	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93
24	A 0.2 74	A 0.2 74	A 0.2 74	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63
25	A 0.2 76	A 0.2 76	A 0.2 76	A 0. 52	A 0.1 52	A 0. 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0. 52	A 0. 52
26	A 0.3 60	A 0.2 60	A 0.2 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60
27	A 0.3 124	A 0.3 124	A 0.3 124	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.2 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101
28	A 0.4 82	A 0.3 82	A 0.3 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0. 82	A 0. 82
29	A 0.4 104	A 0.4 104	A 0.4 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104
30	A 0.4 104	A 0.4 104	A 0.4 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104

Table 30 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	gr
31	A	0.1	53	A	0.1	53	A	0.1	53	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	
32	A	0.4	114	A	0.3	114	A	0.3	114	A	0.1	102	A	0.1	102	A	0.2	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	
33	A	0.4	125	A	0.3	125	A	0.3	125	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	
34	A	0.5	115	A	0.4	115	A	0.4	115	A	0.2	92	A	0.2	92	A	0.3	92	A	0.2	92	A	0.2	92	A	0.2	92	A	0.2	92	A	0.2	92	
35	A	0.4	87	A	0.3	87	A	0.3	87	A	0.1	73	A	0.1	73	A	0.2	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	
36	A	0.5	116	A	0.5	116	A	0.5	116	A	0.2	107	A	0.2	107	A	0.3	107	A	0.2	107	A	0.2	107	A	0.2	107	A	0.1	107	A	0.1	107	
37	A	0.5	141	A	0.5	141	A	0.5	141	A	0.3	118	A	0.3	118	A	0.4	118	A	0.2	118	A	0.3	118	A	0.2	118	A	0.2	118	A	0.2	118	
38	A	0.4	151	A	0.4	151	A	0.4	151	A	0.2	131	A	0.2	131	A	0.3	131	A	0.2	131	A	0.2	131	A	0.2	131	A	0.1	136	A	0.1	136	
39	A	0.3	107	A	0.3	107	A	0.3	107	A	0.1	83	A	0.1	83	A	0.2	83	A	0.1	83	A	0.1	83	A	0.1	83	A	0.1	83	A	0.1	83	
40	A	0.4	89	A	0.3	89	A	0.3	89	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	
41	A	0.4	117	A	0.4	117	A	0.4	117	A	0.3	94	A	0.3	94	A	0.4	94	A	0.2	94	A	0.2	94	A	0.2	94	A	0.2	94	A	0.2	94	
42	A	0.8	205	A	0.9	205	A	0.9	205	A	0.3	183	A	0.3	183	A	0.3	183	A	0.2	183	A	0.2	183	A	0.2	183	A	0.2	183	A	0.2	183	
43	A	0.4	47	A	0.2	47	A	0.2	47	A	0.	67	A	0.	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.	47	A	0.	47	
44	B	0.1	71	A	1.5	35	A	1.5	35	A	0.	35	A	0.	35	A	0.1	35	C	0.1	80	C	0.1	80	C	0.1	80	C	0.1	80	C	0.1	80	
45	A	0.5	92	A	1.4	49	A	1.4	49	A	0.	49	A	0.	49	A	0.1	49	C	0.1	94	C	0.1	94	C	0.1	109	C	0.1	109	C	0.1	109	
46	A	0.8	199	A	0.8	199	A	0.9	199	A	0.2	199	A	0.2	199	A	0.3	199	A	0.7	377	A	0.8	377	A	0.7	377	A	0.7	377	A	0.7	377	
47	A	0.8	174	A	0.7	174	A	0.7	174	A	0.1	174	A	0.1	174	A	0.2	174	A	0.6	335	A	0.6	335	A	0.5	335	A	0.5	335	A	0.5	335	
48	A	0.7	121	A	0.6	121	A	0.6	121	A	0.1	121	A	0.1	121	A	0.1	121	A	0.4	289	A	0.4	289	A	0.4	289	A	0.4	289	A	0.4	289	
49	A	0.5	129	A	0.2	129	A	0.2	129	A	0.1	129	A	0.1	129	A	0.1	129	A	0.3	208	A	0.3	208	A	0.3	208	A	0.2	208	A	0.2	208	
50	A	0.4	83	A	0.1	83	A	0.1	83	A	0.1	83	A	0.	83	A	0.1	83	A	0.1	116	A	0.1	116	A	0.1	116	A	0.1	116	A	0.1	116	
51	A	0.4	110	A	0.2	110	A	0.2	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.2	163	A	0.2	163	A	0.2	165	A	0.1	165	A	0.1	165	
52	A	0.5	147	A	0.2	147	A	0.3	147	A	0.1	147	A	0.1	147	A	0.2	147	A	0.2	147	A	0.2	147	A	0.2	147	A	0.1	147	A	0.1	147	
53	A	0.4	75	A	0.2	75	A	0.2	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	
54	B	0.6	332	B	0.4	332	B	0.4	332	B	0.3	332	B	0.3	332	B	0.4	332	B	0.4	332	B	0.4	332	B	0.4	332	B	0.3	332	B	0.3	332	
55	A	0.5	201	A	0.3	201	A	0.3	201	A	0.2	201	A	0.2	201	A	0.2	201	A	0.2	201	A	0.2	201	A	0.2	201	A	0.2	201	A	0.2	201	
56	A	0.8	283	A	0.5	283	A	0.5	283	A	0.5	283	A	0.6	283	A	1.	283	A	1.2	283	A	1.2	283	A	0.8	283	A	0.6	283	A	0.5	283	
57	B	0.9	389	B	0.6	389	B	0.6	389	B	0.5	389	B	0.6	389	B	0.8	389	B	1.	389	B	1.	389	B	0.9	389	B	0.6	389	B	0.5	389	
58	A	0.8	328	A	0.4	328	A	0.4	328	A	0.3	328	C	0.1	82	C	0.5	196	C	0.5	196	C	0.1	82	C	0.1	82	C	0.1	82	C	0.1	82	
59	A	1.3	399	A	0.8	399	A	0.8	399	A	0.8	399	A	0.8	399	A	1.5	399	A	1.9	399	A	2.1	399	A	2.4	399	A	0.9	399	A	0.7	399	
60	A	0.4	194	A	0.2	194	A	0.2	194	A	0.2	194	A	0.2	194	A	0.2	194	A	0.2	198	A	0.3	198	A	0.2	198	A	0.2	198	A	0.2	198	
61	A	0.3	73	A	0.1	73	A	0.1	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	
62	C	0.1	68	C	0.1	68	C	0.1	68	C	0.	60	C	0.	60	C	0.1	60	C	0.	60	C	0.	60	C	0.	60	C	0.	60	C	0.	60	
63	A	0.4	199	A	0.2	199	A	0.2	199	A	0.2	199	A	0.2	199	A	0.2	199	A	0.4	378	A	0.4	378	A	0.4	378	A	0.3	378	A	0.3	378	
64	A	0.6	323	A	0.4	323	A	0.4	323	A	0.5	323	A	0.6	323	A	0.7	323	A	0.3	279	A	0.3	279	A	0.3	279	A	0.2	279	A	0.2	279	

Table 30 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			gr
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	gr
65	A	0.4	226	A	0.2	226	A	0.2	226	A	0.2	226	A	0.2	226	A	0.2	226	B	0.9	546	B	0.9	546	B	0.9	546	B	0.8	546	B	0.6	546	gr
66	A	0.4	145	A	0.2	145	A	0.2	145	A	0.2	145	A	0.2	145	A	0.2	145	C	0.3	210	C	0.3	210	C	0.3	210	C	0.2	210	C	0.2	210	gr
67	A	0.4	189	A	0.2	189	A	0.2	189	A	0.2	189	A	0.2	189	A	0.3	189	C	0.6	239	C	0.6	239	C	0.6	239	C	0.4	239	C	0.4	239	gr
68	A	0.5	167	A	0.2	167	A	0.2	167	A	0.3	167	A	0.3	167	A	0.4	167	C	0.5	263	C	0.6	263	C	0.3	263	C	0.2	263	C	0.2	263	gr
69	A	0.8	413	A	0.5	413	A	0.6	413	A	0.9	413	A	0.8	413	A	1.	413	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	gr
70	A	0.8	247	A	0.6	247	A	0.6	247	A	1.	247	A	0.8	247	A	1.1	247	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	gr
71	A	0.6	403	A	0.4	403	A	0.4	403	A	0.7	403	A	0.7	403	A	0.9	403	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	gr
72	A	0.5	253	A	0.2	253	A	0.2	253	A	0.4	253	A	0.3	253	A	0.5	253	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	gr
73	A	0.4	275	A	0.1	275	A	0.1	275	A	0.2	275	A	0.2	275	A	0.2	275	A	0.2	128	A	0.2	128	A	0.2	128	A	0.2	128	A	0.2	128	gr
74	A	0.3	113	A	0.1	113	A	0.1	113	A	0.1	113	A	0.1	113	A	0.1	113	A	0.1	84	A	0.1	84	A	0.1	84	A	0.1	84	A	0.1	84	gr
75	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	gr
76	A	0.4	87	A	0.1	87	A	0.1	87	A	0.1	87	A	0.1	87	A	0.1	87	A	0.2	141	A	0.2	141	A	0.2	141	A	0.1	141	A	0.1	141	gr
77	A	0.4	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91	gr
78	A	0.5	119	A	0.2	119	A	0.2	119	A	0.1	119	A	0.1	119	A	0.1	119	A	0.3	138	A	0.3	138	A	0.3	138	A	0.2	138	A	0.2	138	gr
79	A	0.7	223	A	0.3	223	A	0.3	223	A	0.2	223	A	0.2	223	A	0.3	223	A	0.4	223	A	0.4	223	A	0.3	223	A	0.3	223	A	0.3	223	gr
80	A	0.7	260	A	0.4	260	A	0.4	260	A	0.4	260	A	0.4	260	A	0.5	260	A	0.6	260	A	0.6	260	A	0.6	260	A	0.5	260	A	0.4	260	gr
81	A	0.5	227	A	0.2	227	A	0.2	227	A	0.2	227	A	0.2	227	A	0.3	227	A	0.4	227	A	0.4	227	A	0.4	224	A	0.3	224	A	0.2	224	gr
82	A	1.2	462	A	0.8	462	A	0.8	462	A	0.9	462	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	gr
83	A	0.7	290	A	0.3	290	A	0.3	290	A	0.3	290	A	0.3	290	A	0.4	290	A	0.4	290	A	0.4	290	A	0.4	290	A	0.4	310	A	0.4	310	gr
84	A	0.6	142	A	0.2	142	A	0.2	142	A	0.1	142	A	0.1	142	A	0.2	142	A	0.1	142	A	0.1	142	A	0.1	142	A	0.1	142	A	0.2	142	gr
85	A	0.1	112	A	0.1	112	A	0.1	112	A	0.8	155	A	0.8	155	A	1.	155	A	0.3	133	A	0.3	133	A	0.3	133	A	0.2	133	A	0.2	133	gr
86	A	0.8	162	A	10.1	162	A	10.1	162	A	0.2	162	A	0.2	162	A	0.2	162	A	0.5	238	A	0.5	238	A	0.5	238	A	0.4	238	A	0.4	238	gr
87	A	1.1	232	A	0.5	232	A	0.5	232	A	0.9	275	A	0.9	275	A	1.2	275	A	0.6	285	A	0.6	285	A	0.9	292	A	0.5	292	A	0.5	292	gr
88	A	10.3	253	A	0.5	247	A	0.5	247	A	0.4	253	A	0.4	253	A	0.5	253	A	0.4	323	A	0.5	323	A	0.5	317	A	0.4	317	A	0.3	317	gr
89	A	1.9	465	A	1.2	479	A	1.2	479	A	6.	562	A	6.1	562	B	6.2	1221	A	1.1	478	A	1.2	478	A	1.1	477	A	1.7	477	A	0.8	477	gr
90	A	1.1	230	A	0.4	277	A	0.4	277	A	0.5	331	A	0.5	331	A	0.6	331	A	0.4	211	A	0.5	211	A	0.4	211	A	0.4	211	A	0.3	211	gr
91	A	0.8	129	A	0.2	130	A	0.2	130	A	0.4	189	A	0.4	189	A	0.6	189	A	0.3	145	A	0.4	145	A	0.3	145	A	0.2	145	A	0.2	145	gr
92	A	1.	172	A	0.3	201	A	0.3	201	A	0.1	201	A	0.1	201	A	0.2	201	A	0.7	276	A	0.8	276	A	0.7	276	A	0.5	276	A	0.5	276	gr
93	A	1.1	234	A	0.4	283	A	0.4	283	A	0.2	283	A	0.2	283	A	0.2	283	A	0.6	279	A	0.7	279	A	0.6	279	A	0.5	279	A	0.4	279	gr
94	A	1.3	300	A	0.5	300	A	0.6	300	A	1.4	387	A	1.4	387	A	1.7	387	A	1.1	261	A	1.2	261	A	1.1	261	A	0.9	261	A	0.7	261	gr
95	A	10.1	433	A	0.4	440	A	0.3	440	A	0.2	433	A	0.2	433	A	0.3	433	A	2.4	317	A	2.5	317	A	2.3	317	A	1.4	317	A	1.3	317	gr
96	C	20.4	349	C	20.4	349	C	20.4	349	C	0.6	349	C	0.6	349	C	4.	349	C	1.	349	C	1.1	349	C	1.	349	C	0.9	349	C	0.8	349	gr
97	C	32.5	169	C	32.5	169	C	32.5	169	C	0.8	169	C	0.7	169	C	0.8	169	C	1.1	169	C	1.2	169	C	1.1	169	C	1.	169	C	0.8	169	gr
98	C	21.7	375	C	21.7	375	C	21.7	375	C	1.	375	C	1.	375	C	1.3	375	C	1.7	375	C	1.8	375	C	1.7	375	C	1.6	375	C	1.2	375	gr



Table 30 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	gr
99	C	20.3	216	C	20.3	216	C	20.3	216	C	0.4	216	C	0.4	216	C	0.5	216	C	0.6	216	C	0.7	216	C	0.6	216	C	0.5	216	C	0.5	216	
100	C	10.4	409	C	10.5	409	C	10.5	409	C	0.7	409	C	0.6	409	C	1.	409	C	1.2	409	C	1.3	409	C	1.2	409	C	1.4	409	C	0.7	409	
101	A	0.1	63	A	11.2	95	A	11.2	95	C	12.9	2539	C	12.8	2539	C	13.1	2539	C	0.7	98	C	12.2	2539	C	12.2	2539	C	0.4	98	C	0.3	98	
102	C	0.5	252	C	0.6	252	C	0.7	252	A	0.5	175	A	0.5	175	A	0.6	175	A	0.8	175	A	0.8	175	A	0.4	223	A	0.4	223	A	0.4	223	
103	C	2.5	901	C	2.8	901	C	3.	901	A	1.2	808	A	1.2	808	A	1.9	808	A	2.4	808	A	2.5	808	A	2.1	808	A	1.6	808	A	1.3	808	
104	A	0.5	183	A	0.4	183	A	0.4	183	A	0.5	183	A	0.5	183	A	0.7	183	A	1.	289	A	1.	289	A	0.8	363	A	0.7	363	A	0.6	363	
105	A	0.1	134	A	0.1	134	A	0.1	134	A	0.1	134	A	0.1	134	A	0.1	134	A	0.1	134	A	0.1	134	A	0.1	133	A	0.1	133	A	0.1	133	
106	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.	73	A	0.	73	
107	A	0.1	142	A	0.1	142	A	0.1	142	A	0.1	142	A	0.1	142	A	0.1	142	A	0.2	142	A	0.2	142	A	0.1	143	A	0.1	143	A	0.1	143	
108	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	115	A	0.1	115	A	0.2	115	A	0.2	115	A	0.2	115	A	0.1	115	A	0.1	115	
109	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.	46	
110	A	0.1	139	A	0.1	139	A	0.1	139	A	0.1	139	A	0.1	139	A	0.1	139	A	0.2	139	A	0.2	139	A	0.2	139	A	0.1	139	A	0.1	139	
111	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	100	A	0.1	100	A	0.1	100	
112	A	0.1	140	A	0.1	140	A	0.1	140	A	0.1	140	A	0.1	140	A	0.1	140	A	0.2	140	A	0.2	140	A	0.2	140	A	0.1	140	A	0.1	140	
113	A	0.1	244	A	0.1	244	A	0.1	244	A	0.2	244	A	0.2	244	A	0.2	244	A	0.3	244	A	0.3	244	A	0.3	244	A	0.3	244	A	0.2	244	
114	B	9.9	1740	A	10.3	225	A	10.3	225	A	0.4	225	A	0.4	225	A	0.5	225	A	0.4	219	A	0.4	219	A	0.4	225	A	0.3	225	A	0.3	225	
115	C	1.9	345	C	1.	363	C	1.1	363	A	1.3	339	A	1.1	343	A	1.6	343	C	3.3	527	C	3.5	527	C	3.1	527	C	2.2	527	C	2.	527	
116	C	1.5	287	C	0.8	286	C	0.9	286	A	0.3	225	A	0.3	229	A	0.5	229	C	3.8	451	C	3.7	451	C	2.4	459	C	1.2	459	C	1.	459	
117	A	0.3	86	A	0.3	86	A	0.3	86	C	0.1	91	C	0.1	91	C	0.2	91	A	0.2	104	A	0.2	104	A	0.2	104	A	0.2	104	A	0.1	104	
118	C	26.4	344	C	24.2	344	C	24.3	344	C	1.5	344	C	1.4	344	C	1.9	344	C	1.9	344	C	1.9	344	C	1.7	344	C	1.6	344	C	1.4	344	
119	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	
120	A	0.4	141	A	0.3	141	A	0.4	141	C	0.	73	C	0.	73	C	0.1	73	A	0.5	141	A	0.5	141	A	0.5	141	A	0.4	141	A	0.3	141	
121	A	0.	54	A	0.	54	A	0.	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	
122	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	
123	A	0.4	165	A	0.4	165	A	0.5	165	C	0.	79	C	0.	79	C	0.	79	A	0.4	164	A	0.4	164	A	0.4	164	A	0.3	164	A	0.3	164	
124	A	0.1	137	A	0.1	137	A	0.1	137	A	0.2	137	A	0.2	137	A	0.2	137	A	0.2	137	A	0.3	137	A	0.2	137	A	0.2	137	A	0.2	137	
125	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	
126	A	0.4	176	A	0.4	183	A	0.4	183	C	0.1	75	C	0.1	75	C	0.1	75	A	0.7	161	A	0.7	161	A	0.7	161	A	0.7	161	A	0.5	161	
127	A	0.6	181	A	0.7	171	A	0.7	171	A	0.4	171	A	0.4	171	A	0.5	171	A	0.7	181	A	0.8	181	A	0.7	181	A	0.6	181	A	0.5	181	
128	A	2.5	365	A	2.5	370	A	2.7	370	C	0.1	79	C	0.1	79	C	0.1	79	A	1.7	258	A	1.9	258	A	1.8	258	A	2.2	258	A	1.4	258	
129	A	0.2	152	A	0.2	152	A	0.2	152	A	0.1	152	A	0.1	152	A	0.2	152	A	0.4	128	A	0.4	128	A	0.4	128	A	0.3	128	A	0.3	128	
130	A	0.2	117	A	0.2	117	A	0.2	117	A	0.4	176	A	0.4	176	A	0.5	176	A	0.2	131	A	0.2	131	A	0.2	131	A	0.2	131	A	0.1	131	
131	A	0.3	134	A	0.2	134	A	0.3	134	C	0.1	102	C	0.1	102	C	0.2	102	A	0.4	150	A	0.4	150	A	0.4	150	A	0.3	150	A	0.3	150	
132	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	

Table 30 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	gr
133	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.2	68	A	0.1	68	A	0.1	68	A	0.1	68	
134	A	0.6	244	A	0.6	244	A	0.6	244	A	1.2	302	A	1.2	302	A	1.5	302	A	0.6	254	A	0.7	254	A	0.6	254	A	0.6	254	A	0.5	254	
135	A	0.4	158	A	0.4	158	A	0.4	158	C	0.2	102	C	0.2	102	C	0.2	102	A	0.6	164	A	0.6	164	A	0.6	164	A	0.4	164	A	0.4	164	
136	A	0.3	152	A	0.3	152	A	0.3	152	A	1.1	188	A	1.1	188	A	1.3	188	A	0.6	167	A	0.6	167	A	0.3	172	A	0.3	172	A	0.2	172	
137	A	0.6	189	A	0.5	189	A	0.6	189	A	1.1	229	A	1.	229	A	1.2	229	A	0.5	205	A	0.5	205	A	0.5	205	A	0.5	205	A	0.4	205	
138	A	0.4	199	A	0.4	199	A	0.4	199	C	0.1	112	C	0.1	112	C	0.1	112	A	0.6	202	A	0.6	202	A	0.6	202	A	0.5	202	A	0.4	202	
139	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.2	62	A	0.2	62	A	0.2	62	A	0.2	62	A	0.1	62	
140	A	0.4	93	A	0.2	93	A	0.2	93	A	0.1	93	A	0.1	93	A	0.1	93	C	0.6	234	C	0.3	173	C	0.3	173	C	0.3	173	C	0.3	173	
141	A	0.	52	A	0.	52	A	0.	52	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	
142	A	0.3	264	A	0.2	264	A	0.2	264	A	0.3	264	A	0.3	264	A	0.4	264	A	0.4	264	A	0.4	264	A	0.4	264	A	0.3	264	A	0.3	264	
143	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	
144	A	0.5	153	A	0.4	154	A	0.4	154	A	0.2	155	A	0.2	154	A	0.2	154	A	0.5	153	A	0.5	153	A	0.5	153	A	0.5	153	A	0.4	153	
145	C	0.4	154	C	0.3	154	C	0.3	154	A	0.6	260	A	0.6	260	A	0.8	260	A	1.1	455	A	1.2	455	A	1.1	455	A	0.8	455	A	0.8	455	
146	A	0.3	247	A	0.2	247	A	0.2	247	A	0.4	183	A	0.3	183	A	0.6	183	A	0.4	247	A	0.4	247	A	0.3	247	A	0.3	247	A	0.2	247	
147	A	0.8	106	A	0.3	122	A	0.3	122	A	0.4	134	A	0.4	134	A	0.5	134	A	0.2	112	A	0.2	112	A	0.2	112	A	0.2	112	A	0.2	112	
148	A	0.7	99	A	0.2	99	A	0.2	99	A	0.3	128	A	0.3	128	A	0.4	128	A	0.2	111	A	0.2	111	A	0.2	111	A	0.2	111	A	0.2	111	
149	A	5.	626	A	3.	473	A	3.2	473	A	1.9	401	A	1.8	404	A	2.3	404	B	6.	1164	B	6.	1164	B	4.6	1166	B	2.7	1166	B	2.3	1166	
150	A	0.9	212	A	0.9	212	A	0.9	212	A	0.4	216	A	0.4	216	A	0.5	216	A	0.9	253	A	0.9	253	A	0.8	253	A	0.7	253	A	0.6	253	
151	A	0.6	212	A	0.6	212	A	0.6	212	A	0.4	218	A	0.4	218	A	0.5	218	A	0.5	299	A	0.7	299	A	0.6	299	A	0.4	299	A	0.3	299	
152	A	0.6	142	A	0.5	142	A	0.5	142	A	0.2	126	A	0.2	126	A	0.2	126	A	0.3	167	A	0.3	167	A	0.3	167	A	0.2	167	A	0.1	167	
153	A	0.7	207	A	0.7	207	A	0.8	207	A	0.2	169	A	0.2	169	A	0.3	169	A	0.8	222	A	0.8	222	A	0.9	222	A	0.5	222	A	0.4	222	
154	A	10.7	256	A	10.6	256	A	10.7	256	A	1.	256	A	1.1	256	A	1.4	256	A	1.6	343	A	1.7	343	A	1.7	343	A	3.1	343	A	1.3	343	
155	A	11.4	549	A	11.3	549	A	11.4	549	A	2.5	549	A	2.8	549	A	3.3	549	A	6.9	835	A	7.1	835	A	7.	835	A	5.2	666	A	4.8	663	
156	A	1.3	244	A	1.1	244	A	1.1	244	A	0.8	265	A	0.8	265	A	1.1	265	A	0.9	265	A	0.9	265	A	0.9	266	A	1.1	266	A	0.6	266	
157	A	12.9	623	A	12.8	623	A	13.	623	A	5.5	623	A	6.2	868	A	6.3	623	A	8.4	575	A	9.2	575	A	8.9	576	A	7.4	576	A	7.1	576	
158	A	15.3	1013	A	15.1	1013	A	15.2	1013	A	5.8	1013	A	5.9	1013	A	6.5	1559	A	13.7	1288	A	14.5	1288	A	14.2	1288	A	10.8	955	A	9.6	955	
159	A	0.5	111	A	0.2	111	A	0.2	111	A	0.2	111	A	0.2	111	A	0.2	111	A	1.1	166	A	1.1	166	A	0.8	208	A	0.7	208	A	0.7	208	
160	A	0.5	157	A	0.3	157	A	0.3	157	A	0.2	157	A	0.2	157	A	0.2	157	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	
161	A	0.5	151	A	0.2	151	A	0.2	151	A	0.4	151	A	0.3	151	A	0.4	151	B	1.4	568	B	1.4	568	B	1.1	609	B	0.9	609	B	0.8	609	
162	A	0.7	152	A	0.2	152	A	0.2	152	A	0.2	152	A	0.2	152	A	0.3	152	A	4.	284	A	3.9	284	A	1.7	330	A	1.4	330	A	1.2	330	
163	A	0.6	252	A	0.3	252	A	0.3	252	A	0.4	252	A	0.3	252	A	0.4	252	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	
164	A	0.5	149	A	0.2	149	A	0.2	149	A	0.3	149	A	0.2	149	A	0.3	149	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	
165	A	1.	287	A	0.5	287	A	0.5	287	A	0.7	287	A	0.6	287	A	1.1	287	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	
166	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	

Table 30 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	gr			
167	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	2.7	418	F	0	0	F	0	0	
168	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	2.3	418	F	0	0	F	0	0	
169	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	3.5	414	F	0	0	F	0	0	
170	A	0.2	70	A	0.2	70	A	0.2	70	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	70	A	0.1	70	A	0.1	75	A	0.1	75	A	0.1	75	
171	A	0.6	63	A	0.1	60	A	0.1	60	A	0.2	82	A	0.1	82	A	0.2	82	A	0.1	64	A	0.1	64	A	0.1	68	A	0.1	68	A	0.1	68	
172	A	0.6	72	A	0.2	71	A	0.2	71	A	0.1	94	A	0.1	94	A	0.2	94	A	0.1	75	A	0.1	75	A	0.1	78	A	0.1	78	A	0.1	78	

## 2.29 1\_Algebraic\_functions\1.2Trinomialproducts\1.2.1Quadratic\1.2.1.5(a+bx+cx^2)^p(d+ex+fx^2)^q

Table 31: Breakdown of results for each integral

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			grade
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size				
1	A	0.6	87	A	0.6	87	A	0.6	87	A	0.2	87	A	0.2	87	A	0.2	87	A	0.2	85	A	0.2	85	A	0.2	107	A	0.2	107	A	0.1	107	A
2	C	0.5	204	C	0.4	204	C	0.4	204	B	0.4	178	B	0.4	178	B	0.6	178	B	0.6	304	B	0.7	304	B	0.6	304	B	0.5	304	B	0.5	304	B
3	A	0.1	39	A	0.1	39	A	0.1	39	C	0.1	84	C	0.1	84	C	0.1	84	A	0.1	28	A	0.1	28	A	0.	28	A	0.	28	A	0.	28	A
4	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A
5	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A
6	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A
7	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A
8	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.1	59	A	0.1	59	A	0.	59	A	0.	59	A	0.	59	A
9	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A
10	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A
11	C	0.2	206	C	0.2	206	C	0.2	206	C	0.6	185	C	0.5	185	C	0.6	185	C	6.4	1133	C	6.4	1133	C	6.3	1133	C	6.6	1133	C	5.3	1032	C
12	A	1.3	115	A	1.3	115	A	1.3	115	A	0.5	105	A	0.5	105	A	0.6	105	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	105	A
13	A	0.7	95	A	0.8	95	A	0.8	95	A	0.2	85	A	0.2	85	A	0.2	85	A	0.1	85	A	0.1	85	A	0.1	85	A	0.1	85	A	0.1	85	A
14	A	0.2	65	A	0.3	65	A	0.3	65	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A
15	A	1.	85	A	1.	85	A	1.	85	A	0.6	75	A	0.5	75	A	0.6	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A
16	A	0.3	33	A	0.3	33	A	0.3	33	A	0.1	33	A	0.1	33	A	0.2	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A
17	C	1.1	605	C	1.1	605	C	1.2	605	C	2.4	242	C	2.	242	C	2.5	242	C	6.4	1218	C	6.4	1218	C	6.4	1218	C	6.8	1218	C	6.4	1218	C
18	A	5.2	459	A	5.3	459	A	5.5	459	A	1.1	657	A	1.	657	A	1.2	657	A	0.9	456	A	1.1	456	A	1.1	457	A	0.8	457	A	0.6	457	A
19	C	0.6	539	C	0.6	539	C	0.6	539	A	1.4	417	A	1.2	417	A	2.	417	A	4.2	699	A	4.8	699	A	4.4	699	A	2.5	699	A	2.2	699	B
20	A	2.6	293	A	2.6	293	A	2.7	293	A	0.8	392	A	0.7	392	A	0.8	392	A	0.6	290	A	0.6	290	A	0.8	290	A	0.5	290	A	0.4	290	A
21	B	17.2	4727	B	17.3	4727	B	17.4	4727	B	7.6	4727	B	7.5	4727	B	7.9	4727	B	6.6	1621	B	6.7	1621	B	6.6	1621	B	5.8	1373	B	6.4	1621	B
22	C	0.4	218	C	0.4	218	C	0.4	218	A	1.5	376	A	1.3	376	A	2.4	376	A	3.1	633	A	3.5	633	A	4.7	633	A	1.5	633	A	1.2	633	B
23	A	1.7	291	A	1.6	291	A	1.7	291	A	0.9	288	A	0.8	288	A	0.9	288	A	0.5	288	A	0.7	288	A	0.6	287	A	0.6	287	A	0.5	287	A
24	A	2.4	392	A	2.4	392	A	2.5	392	A	1.4	387	A	1.3	387	A	2.	387	A	1.5	387	A	1.8	387	A	1.1	415	A	0.8	415	A	0.7	415	A
25	A	2.2	390	A	2.1	390	A	2.2	390	A	0.6	390	A	0.6	390	A	0.7	390	A	1.	390	A	1.	390	A	0.9	390	A	0.8	390	A	0.7	390	A

## 2.30 1\_Algebraic\_functions\1.2Trinomialproducts\1.2.1Quadratic\1.2.1.6(g+hx)^m(a+bx+cx^2)^p(d+ex+fx)

Table 32: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.2 204	A 0.1 204	A 0.1 204	A 0.2 204	A 0.2 204	A 0.3 204	A 0.5 204	A 0.5 204	A 0.4 213	A 0.3 213	A 0.3 213	A 0.2
2	C 0.4 219	C 0.4 219	C 0.4 219	A 0.3 249	A 0.3 249	A 0.4 249	A 2.2 370	A 2.2 370	A 2. 370	A 1.2 370	A 1. 370	A 0.8
3	C 1.2 753	C 1.1 753	C 1.1 753	A 0.7 440	A 0.8 440	A 1. 440	A 2.4 517	A 2.4 517	A 2.4 517	A 4.6 517	A 1.5 517	A 1.8
4	A 0.4 535	A 0.4 535	A 0.4 535	A 0.7 535	A 0.7 535	A 0.9 535	A 1.3 535	A 1.3 535	A 1.2 535	A 0.9 535	A 0.8 535	A 0.9
5	C 1.3 1115	C 1.2 1115	C 1.2 1115	A 2.1 517	A 2. 517	A 3. 517	B 4.8 1344	B 5.1 1344	B 4.3 1344	B 3.2 1344	B 2.6 1344	B 1.9
6	C 0.5 278	C 0.4 278	C 0.4 278	A 4.5 393	A 4.4 393	A 5.3 393	A 1.6 696	A 1.7 696	A 1.5 696	A 1.3 696	A 1.1 696	B 1.2
7	A 0.4 109	A 0.5 109	A 0.5 109	A 0.4 148	A 0.4 148	A 0.4 148	A 1.1 220	A 1.1 220	A 1. 220	A 0.7 220	A 0.6 220	A 0.8
8	A 0.8 154	A 0.8 154	A 0.8 154	A 0.8 190	A 0.7 190	A 0.9 190	A 2.7 283	A 2.5 283	A 1.4 262	A 2.8 262	A 1. 262	A 0.5
9	A 0.1 15	A 0.1 15	A 0.1 15	C 0. 79	C 0. 79	C 0.1 79	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0.
10	A 0.1 17	A 0.1 17	A 0.2 17	C 0.3 165	C 0.3 165	C 0.4 165	C 5.5 873	C 6.3 1057	C 5. 873	C 2.2 873	C 1.7 873	C 1.7
11	A 0.2 84	A 0.1 84	A 0.1 84	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1
12	C 0.6 552	C 0.6 552	C 0.6 552	A 1.9 746	A 1.8 746	A 2.5 746	A 1.9 956	A 2. 956	A 1.8 956	A 1.2 956	A 1. 956	B 1.2
13	C 0.6 497	C 0.6 497	C 0.6 497	C 4.6 885	C 4.5 885	C 6.5 946	A 1.3 880	A 1.2 880	A 1.2 880	A 0.7 880	A 0.6 880	A 0.9
14	C 0.8 617	C 0.8 617	C 0.8 617	C 3.4 904	C 3.5 904	C 5.5 904	A 3. 949	A 2.9 949	A 2.5 949	A 1.7 949	A 1.4 949	A 1.9
15	C 0.7 422	C 0.6 422	C 0.6 422	A 1.9 460	A 1.9 460	A 2.4 460	A 1.8 678	A 1.9 678	A 1.7 680	A 1.4 680	A 1.2 680	B 1.2
16	C 0.5 330	C 0.5 330	C 0.5 330	A 1.2 457	A 1.2 457	A 1.6 457	A 1.4 617	A 1.5 617	A 1.3 619	A 0.8 619	A 0.7 619	B 1.1
17	C 0.7 381	C 0.6 381	C 0.6 381	A 0.8 316	A 0.7 316	A 0.9 316	A 0.9 505	A 0.9 505	A 0.8 505	A 0.8 505	A 0.5 505	A 0.5
18	C 1. 619	C 1. 619	C 1.1 619	A 0.9 330	A 0.9 330	A 1.2 330	A 0.8 416	A 0.9 416	A 0.8 416	A 1.1 416	A 0.5 416	A 0.6
19	C 1. 729	C 1. 729	C 1. 729	A 0.8 298	A 0.8 298	A 1.1 298	A 0.9 396	A 1. 396	A 0.9 396	A 1. 396	A 0.5 396	A 0.5
20	C 0.3 160	C 0.2 160	C 0.2 160	A 0.2 209	A 0.2 209	A 0.3 209	A 0.5 301	A 0.6 301	A 0.5 301	A 0.3 301	A 0.2 301	A 0.2
21	C 0.8 410	C 0.7 410	C 0.8 410	A 1.3 414	A 1.4 414	A 2.2 414	A 2.5 414	A 3.4 414	A 2.2 414	A 2.9 414	F 0 0	A 1.4
22	C 2.3 620	C 2.1 620	C 2.2 620	A 1.3 488	A 1.4 488	A 1.7 488	A 3. 537	A 3.3 537	A 4.1 533	B 6.5 939	A 2.7 533	A 3.6
23	C 0.6 467	C 0.5 467	C 0.5 467	A 1.8 454	A 1.7 454	A 3.7 454	A 2.2 903	A 2.2 903	A 2. 907	A 1.7 907	A 0.8 907	B 1.4
24	C 0.8 582	C 0.7 582	C 0.7 582	A 1.8 520	A 1.7 520	A 2.9 520	A 2.4 972	A 2.8 972	A 1.8 972	A 1.4 972	A 1.1 972	A 1.8
25	C 0.8 423	C 0.7 423	C 0.7 423	A 2.3 550	A 2.4 550	A 3.1 550	A 1.9 918	A 1.5 918	A 1.8 918	A 1. 918	A 0.8 918	B 1.1
26	C 0.5 318	C 0.4 318	C 0.4 318	A 1.1 468	A 1. 468	A 1.7 468	A 1. 815	A 1. 815	A 1. 815	A 0.8 815	A 0.6 815	B 0.9
27	C 0.5 319	C 0.4 319	C 0.5 319	A 2.5 450	A 2.4 450	A 4.8 450	B 6.2 994	B 6.2 994	B 6.2 994	A 4.3 797	A 3.6 797	B 3.4
28	A 0.2 99	A 0.2 99	A 0.2 99	C 0.6 210	C 0.5 210	C 0.8 210	C 6.3 1101	C 6.3 1101	C 6.2 1101	C 2.4 1000	C 1.6 1000	C 1.6
29	A 0. 13	A 9.4 13	A 10. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0.

## 2.31 1\_Algebraic\_functions\1.2Trinomialproducts\1.2.1Quadratic\1.2.1.9(d+ex)^mPq(x)(a+bx+cx^2)^p

Table 33: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	gra
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.8 181	A 0.8 181	A 0.8 181	A 0.3 190	A 0.3 190	A 0.5 190	A 0.2 158	A 0.2 158	A 0.3 160	A 0.2 160	A 0.2 160	A
2	A 0.4 114	A 0.4 114	A 0.4 114	A 0.1 121	A 0.1 121	A 0.2 121	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A
3	A 0.6 121	A 0.6 121	A 0.6 121	A 0.3 109	A 0.3 109	A 0.3 109	A 0.2 109	A 0.2 109	A 0.2 109	A 0.2 109	A 0.1 109	A
4	A 0.7 109	A 0.7 109	A 0.8 109	A 0.2 109	A 0.2 109	A 0.3 109	A 0.1 109	A 0.1 109	A 0.1 109	A 0.1 109	A 0.1 109	A
5	A 0.7 150	A 0.7 150	A 0.7 150	A 0.2 139	A 0.2 139	A 0.2 139	A 0.2 139	A 0.2 139	A 0.2 139	A 0.2 139	A 0.1 139	A
6	A 0.1 241	A 0.1 241	A 0.1 241	A 0.1 241	A 0.1 241	A 0.1 241	A 0.2 241	A 0.2 241	A 0.1 242	A 0.1 242	A 0.1 242	A
7	A 0. 144	A 0. 144	A 0. 144	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144	A
8	A 0.1 285	A 0.1 285	A 0.1 285	A 0.2 285	A 0.2 285	A 0.3 285	A 0.4 285	A 0.5 285	A 0.4 285	A 0.2 285	A 0.2 285	A
9	A 0.2 459	A 0.1 459	A 0.1 459	A 0.2 459	A 0.2 459	A 0.4 459	A 0.4 459	A 0.4 459	A 0.4 462	A 0.3 462	A 0.2 462	A
10	A 0. 100	A 0. 100	A 0. 100	A 0. 100	A 0. 100	A 0. 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0. 100	A 0. 100	A
11	A 0.3 498	A 0.2 498	A 0.3 498	A 0.4 498	A 0.4 498	A 1.8 498	A 1.9 498	A 2. 498	A 1. 498	A 0.4 498	A 0.3 498	A
12	A 0.2 223	A 0.1 223	A 0.1 223	A 0.2 223	A 0.2 223	A 0.3 223	A 0.5 223	A 0.5 223	A 0.4 231	A 0.3 231	A 0.2 231	A
13	A 0.2 188	A 0.2 188	A 0.2 188	A 0.3 188	A 0.4 188	A 0.4 188	A 0.6 188	A 0.6 188	A 0.5 188	A 0.4 188	A 0.3 188	A
14	A 0.3 320	A 0.3 320	A 0.3 320	A 0.4 320	A 0.5 320	A 0.6 320	A 0.8 320	A 0.9 320	A 0.8 322	A 0.7 322	A 0.5 322	A
15	A 0.1 90	A 0. 90	A 0. 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A
16	A 0.4 498	A 0.4 498	A 0.5 498	A 0.8 498	A 0.8 498	A 1.1 498	A 1.6 498	A 1.7 498	A 1.6 500	A 1.3 500	A 0.9 500	A
17	A 0.2 437	A 0.2 437	A 0.2 437	A 0.3 437	A 0.3 437	A 0.4 437	A 0.6 437	A 0.6 437	A 0.6 437	A 0.4 437	A 0.4 437	A
18	A 1.1 358	A 1. 358	A 1. 358	A 0.5 362	A 0.5 362	A 0.6 362	A 0.5 362	A 0.6 362	A 0.6 359	A 0.4 359	A 0.3 359	A
19	A 0.5 145	A 0.5 145	A 0.5 145	A 0.5 153	A 0.5 153	A 0.5 153	A 0.2 146	A 0.2 146	A 0.2 146	A 0.2 146	A 0.1 146	A
20	A 0.3 87	A 0.2 87	A 0.2 87	A 0.2 98	A 0.3 98	A 0.3 98	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A
21	A 10.8 439	A 10.7 439	A 10.8 439	A 1.4 439	A 1.3 439	A 2.2 439	A 2.8 439	A 2.9 439	A 2. 485	A 2.4 485	A 1.2 485	A
22	A 11.5 696	A 11.5 696	A 11.5 696	A 2.5 696	A 2.5 696	A 3.4 696	A 4.6 696	A 4.7 696	A 5.6 683	A 6.6 790	A 2.9 683	A
23	A 0.9 256	A 0.9 256	A 0.9 256	A 0.5 246	A 0.5 246	A 0.8 246	A 0.8 246	A 0.8 246	A 0.7 247	A 0.4 247	A 0.4 247	A
24	A 1.5 248	A 1.4 248	A 1.4 248	A 0.7 285	A 0.8 285	A 0.9 285	A 0.8 293	A 0.8 293	A 0.8 295	A 0.8 295	A 0.6 295	A
25	B 9.8 1537	B 10.7 1537	B 11.1 1537	A 1.3 404	A 1.4 404	A 1.7 404	A 2.1 404	A 2.1 404	A 2.2 405	A 3.3 405	A 1.5 405	A
26	A 0.1 56	A 0.1 56	A 0.1 56	A 0. 44	A 0. 44	A 0. 44	A 0.1 44	A 0.1 44	A 0. 44	A 0. 44	A 0. 44	A
27	A 0.6 91	A 0.7 91	A 0.7 91	A 0.1 75	A 0.1 75	A 0.1 75	A 0.2 89	A 0.2 89	A 0.2 91	A 0.2 91	A 0.2 91	A
28	A 0. 96	A 0. 96	A 0. 96	A 0. 96	A 0. 96	A 0. 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0. 96	A 0. 96	A
29	A 0.2 345	A 0.2 345	A 0.2 345	A 0.3 345	A 0.4 345	A 0.5 345	A 0.7 345	A 0.6 345	A 0.6 345	A 0.5 345	A 0.4 345	A
30	A 0.3 281	A 0.3 281	A 0.3 281	A 0.6 281	A 0.7 281	A 0.9 281	A 1.1 281	A 1.1 281	A 1. 281	A 0.9 281	A 0.7 281	A







## 2.32 1\_Algebraic\_functions\1.2Trinomialproducts\1.2.2Quartic\1.2.2.2(dx)^m(a+bx^2+cx^4)^p

Table 34: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
2	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
3	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13
4	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
5	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
6	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
7	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
8	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37
9	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0.1 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68
10	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
11	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
12	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24
13	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0. 41	A 0. 41
14	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
15	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0. 68
16	A 0. 59	A 0. 59	A 0. 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59
17	A 0. 79	A 0. 79	A 0. 79	A 0.1 79	A 0. 79	A 0. 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0. 79
18	A 0. 46	A 0.1 46	A 0.1 46	A 0. 35	A 0. 35	A 0. 35	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46
19	A 0. 68	A 0.1 68	A 0.1 68	A 0. 57	A 0. 57	A 0. 57	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68
20	A 0. 46	A 0. 57	A 0. 57	A 0. 46	A 0. 46	A 0. 46	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57
21	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0. 83
22	A 0.1 91	A 0.1 91	A 0.1 91	C 0. 46	C 0. 46	C 0. 46	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 115
23	A 0.1 72	A 0.1 74	A 0.1 74	A 0.1 71	A 0.1 71	A 0.2 71	A 0.1 75	A 0.1 75	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 94
24	A 0. 53	A 0. 46	A 0. 46	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53
25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
26	A 0.2 126	A 0.2 126	A 0.2 126	C 0. 46	C 0. 46	C 0. 46	A 0.2 137	A 0.3 137	A 0.2 137	A 0.2 137	A 0.1 137	A 0.1 151
27	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 57
28	A 0. 57	A 0.1 57	A 0.1 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57
29	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
30	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29

Table 34 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0. 58	A 0. 59	A 0. 59	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52
32	A 0.1 73	A 0.1 83	A 0.1 83	A 0. 73	A 0. 73	A 0. 73	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0. 76	A 0. 78
33	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
34	A 0. 21	A 0. 19	A 0. 19	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
35	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
36	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
37	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
38	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
39	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
40	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
41	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
42	A 0. 47	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51
43	A 0. 47	A 0. 47	A 0. 47	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51
44	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41
45	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41
46	A 0.2 127	A 0.2 127	A 0.2 127	C 0. 29	C 0. 29	C 0. 29	A 0.2 203	A 0.2 203	A 0.2 203	A 0.2 203	A 0.1 203	A 0.1 203
47	A 0.3 138	A 0.2 138	A 0.3 138	A 0.1 221	A 0.1 221	A 0.2 221	A 0.2 212	A 0.2 212	A 0.2 212	A 0.2 212	A 0.2 212	A 0.1 212
48	A 0.3 127	A 0.2 127	A 0.3 127	A 0.1 198	A 0.1 198	A 0.1 198	A 0.2 198	A 0.2 198	A 0.2 198	A 0.2 198	A 0.1 198	A 0.1 198
49	A 0.3 128	A 0.2 128	A 0.2 128	C 0. 29	C 0. 29	C 0. 29	A 0.2 198	A 0.2 198	A 0.2 198	A 0.2 198	A 0.1 198	A 0.1 198
50	A 0.3 138	A 0.3 138	A 0.3 138	C 0. 29	C 0. 29	C 0. 29	A 0.3 212	A 0.3 212	A 0.3 212	A 0.2 212	A 0.2 212	A 0.1 212
51	A 0.4 138	A 0.3 138	A 0.3 138	C 0. 66	C 0. 66	C 0. 66	A 0.2 221	A 0.2 221	A 0.2 221	A 0.2 221	A 0.1 221	A 0.1 221
52	A 0.4 149	A 0.3 149	A 0.4 149	C 0. 27	C 0. 27	C 0. 27	A 0.2 234	A 0.2 234	A 0.2 234	A 0.2 234	A 0.1 234	A 0.1 234
53	C 0. 102	C 10. 102	C 10. 102	C 0.1 102	C 0.1 102	C 0.1 102	C 0.5 133	C 0.6 133	C 0.5 133	C 0.4 133	C 0.4 133	C 0.3 133
54	C 0. 57	C 7.6 57	C 7.8 57	C 0. 57	C 0. 57	C 0. 57	C 0.3 176	C 0.3 176	C 0.2 176	C 0.3 176	C 0.3 176	C 0.2 176
55	C 0. 90	C 10. 90	C 10. 90	C 0.1 90	C 0. 90	C 0.1 90	C 0.3 153	C 0.3 153	C 0.2 154	C 0.2 154	C 0.1 154	C 0.1 154
56	C 0. 58	C 10. 58	C 10. 58	C 0. 58	C 0. 58	C 0. 58	C 0.3 111	C 0.3 111	C 0.2 131	C 0.2 131	C 0.1 131	C 0.1 131
57	C 0. 58	C 10. 58	C 10. 58	C 0. 58	C 0. 58	C 0. 58	C 0.4 209	C 0.4 209	C 0.3 209	C 0.3 209	C 0.2 209	C 0.2 209
58	C 0. 58	C 10. 58	C 10. 58	C 0. 58	C 0. 58	C 0. 58	C 0.3 165	C 0.3 165	C 0.3 165	C 0.3 165	C 0.2 165	C 0.2 165
59	C 0. 70	C 10. 70	C 10. 70	C 0. 70	C 0. 70	C 0. 70	C 0.2 176	C 0.2 176	C 0.2 176	C 0.2 176	C 0.1 176	C 0.1 176
60	C 0. 57	C 10. 57	C 10. 57	C 0. 57	C 0. 57	C 0. 57	C 0.1 112	C 0.1 112	C 0.1 112	C 0.1 112	C 0.1 112	C 0. 112
61	C 0. 55	C 10. 55	C 10. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 85	C 0. 85	C 0. 85	C 0. 85	C 0. 85	C 0. 85
62	C 0. 57	C 10. 57	C 10. 57	C 0. 57	C 0. 57	C 0. 57	C 0.2 199	C 0.2 199	C 0.2 199	C 0.2 199	C 0.1 199	C 0.1 199
63	C 0. 72	C 10. 72	C 10. 72	C 0. 72	C 0. 72	C 0. 72	C 0.2 179	C 0.2 179	C 0.2 179	C 0.2 179	C 0.1 179	C 0.1 179
64	C 0. 60	C 10. 60	C 10. 60	C 0. 60	C 0. 60	C 0. 60	C 0.2 198	C 0.2 198	C 0.2 198	C 0.2 198	C 0.1 198	C 0.1 198

Table 34 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
65	C 0. 60	C 10. 60	C 10. 60	C 0. 60	C 0. 60	C 0. 60	C 0.1 143	C 0.1 143	C 0.1 143	C 0.1 143	C 0.1 143	C 0.1 143
66	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
67	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
68	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
69	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48
70	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50
71	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56
72	B 0. 77	B 0. 77	B 0. 77	B 0. 77	B 0. 77	B 0. 77	B 0. 77	B 0. 77	B 0. 77	B 0. 77	B 0. 77	B 0. 77
73	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
74	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0. 82
75	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72
76	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45
77	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 59	A 0. 59	A 0. 59	A 0. 59
78	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0.1 66	A 0.1 66	A 0. 83	A 0. 83	A 0. 83	A 0. 83
79	A 0. 79	A 0. 79	A 0. 79	A 0.1 79	A 0. 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 90	A 0. 90	A 0. 90	A 0. 90
80	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24
81	A 0. 91	A 0. 91	A 0. 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 103	A 0.1 103	A 0. 103	A 0. 103
82	A 0. 91	A 0. 91	A 0. 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 103	A 0.1 103	A 0. 103	A 0. 103
83	A 0. 123	A 0. 123	A 0. 123	A 0.1 123	A 0.1 123	A 0.1 123	A 0.1 123	A 0.1 123	A 0.1 137	A 0.1 137	A 0.1 137	A 0.1 137
84	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
85	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11
86	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20
87	A 1. 39	A 1. 39	A 1. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39
88	A 1. 39	A 1. 39	A 1. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39
89	A 1. 39	A 1. 39	A 1. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39
90	A 1. 61	A 1. 61	A 1. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61
91	A 1. 61	A 1. 61	A 1. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61
92	A 1. 83	A 1. 83	A 1. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83
93	A 1. 83	A 1. 83	A 1. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83
94	A 0.6 135	A 0.8 135	A 0.8 135	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83
95	A 1. 83	A 1. 83	A 1. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83
96	A 1. 83	A 1. 83	A 1. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83
97	A 1. 56	A 1. 56	A 1. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56
98	B 1.2 901	B 1.4 901	B 1.4 901	A 0. 97	A 0. 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0. 97	A 0. 97

Table 34 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
99	A 1. 105	A 1. 105	A 1. 105	A 0. 105	A 0. 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0. 105
100	A 1. 105	A 1. 105	A 1. 105	A 0.1 105	A 0. 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0. 105
101	A 1. 105	A 1. 105	A 1. 105	A 0. 105	A 0. 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0. 105
102	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33
103	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0.1 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60
104	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0.1 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77
105	A 0.3 167	A 0.3 167	A 0.3 167	A 0.2 244	A 0.2 244	A 0.2 244	A 0.4 232	A 0.4 232	A 0.4 232	A 0.3 232	A 0.3 232	A 0.2 232
106	A 0.3 165	A 0.3 165	A 0.3 165	C 0. 30	C 0. 30	C 0. 30	A 0.3 233	A 0.3 233	A 0.2 233	A 0.2 233	A 0.2 233	A 0.1 233
107	A 0.5 164	A 0.5 164	A 0.5 164	A 0.1 299	A 0.1 299	A 0.2 299	A 0.2 260	A 0.3 260	A 0.2 260	A 0.2 260	A 0.2 260	A 0.1 260
108	A 0.5 164	A 0.4 164	A 0.5 164	C 0. 74	C 0. 74	C 0. 74	A 0.3 260	A 0.3 260	A 0.2 260	A 0.2 260	A 0.2 260	A 0.1 260
109	A 0.3 161	A 0.3 161	A 0.3 161	C 0. 32	C 0. 32	C 0. 32	A 0.2 253	A 0.2 253	A 0.2 253	A 0.2 253	A 0.2 253	A 0.1 253
110	A 0.8 208	A 1. 227	A 1.1 227	A 0.2 432	A 0.2 432	A 0.2 432	A 0.4 321	A 0.4 321	A 0.3 321	A 0.3 321	A 0.3 321	A 0.2 321
111	A 0.8 197	A 1. 216	A 1. 216	C 0. 109	C 0. 109	C 0. 109	A 0.4 323	A 0.4 323	A 0.3 323	A 0.3 323	A 0.3 323	A 0.2 323
112	A 0.8 186	A 0.7 205	A 0.7 205	C 0. 104	C 0. 104	C 0. 104	A 0.4 298	A 0.4 298	A 0.3 298	A 0.3 298	A 0.2 298	A 0.2 298
113	A 0.5 183	A 0.5 183	A 0.5 183	A 0.2 298	A 0.2 298	A 0.2 298	A 0.4 298	A 0.4 298	A 0.4 298	A 0.3 298	A 0.3 298	A 0.2 298
114	A 0.4 183	A 0.4 183	A 0.4 183	C 0. 32	C 0. 32	C 0. 32	A 0.4 295	A 0.4 295	A 0.3 295	A 0.3 295	A 0.2 295	A 0.2 295
115	A 0.4 183	A 0.4 183	A 0.4 183	A 0.2 295	A 0.2 295	A 0.2 295	A 0.4 295	A 0.4 295	A 0.4 295	A 0.3 295	A 0.2 295	A 0.2 295
116	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0.1 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66
117	A 0. 88	A 0. 88	A 0. 88	A 0. 88	A 0. 88	A 0. 88	A 0. 88	A 0. 88	A 0. 88	A 0. 88	A 0. 88	A 0. 88
118	A 0.2 160	A 0.2 160	A 0.2 160	C 0. 52	C 0. 52	C 0. 52	A 0.2 244	A 0.2 244	A 0.2 244	A 0.1 244	A 0.1 244	A 0.1 244
119	A 0.4 206	A 0.4 206	A 0.4 206	A 0.2 498	A 0.2 498	A 0.2 498	A 0.5 498	A 0.5 498	A 0.4 498	A 0.3 498	A 0.3 498	A 0.2 498
120	A 0.4 195	A 0.4 195	A 0.4 195	C 0. 88	C 0. 88	C 0.1 88	A 0.3 476	A 0.4 476	A 0.3 476	A 0.3 476	A 0.3 476	A 0.2 476
121	A 0.7 201	A 0.6 201	A 0.6 201	A 0.3 366	A 0.3 366	A 0.4 366	A 0.3 324	A 0.4 324	A 0.3 326	A 0.3 326	A 0.2 326	A 0.2 326
122	A 0.3 201	A 0.3 201	A 0.3 201	A 0.1 319	A 0.1 319	A 0.2 319	A 0.3 319	A 0.3 319	A 0.3 319	A 0.3 319	A 0.2 319	A 0.2 319
123	A 0.7 213	A 0.6 213	A 0.6 213	C 0. 54	C 0. 54	C 0. 54	A 0.3 347	A 0.3 347	A 0.3 347	A 0.3 347	A 0.2 347	A 0.2 347
124	A 0.1 86	A 0.1 88	A 0.1 88	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0. 91
125	A 0. 49	A 0.1 49	A 0.1 49	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51
126	A 0.3 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42
127	A 0.3 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0.1 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62
128	A 0.8 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53
129	A 0.8 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62
130	A 0.3 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51
131	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46
132	A 0.4 54	A 0.1 54	A 0.1 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54

Table 34 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			7		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
133	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21
134	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54
135	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50
136	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56
137	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50
138	A	0.	78	A	0.	78	A	0.	78	A	0.	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.	78	A	0.	78	A	0.	78	A	0.	78
139	A	0.1	135	A	0.1	135	A	0.1	135	A	0.2	135	A	0.1	135	A	0.2	135	A	0.3	135	A	0.2	135	A	0.2	135	A	0.2	135	A	0.2	135	A	0.1	135
140	A	0.1	129	A	0.1	129	A	0.1	129	A	0.1	129	A	0.1	129	A	0.1	129	A	0.2	129	A	0.2	129	A	0.2	129	A	0.2	129	A	0.1	129	A	0.1	129
141	A	0.1	216	A	0.1	216	A	0.1	216	A	0.2	216	A	0.2	216	A	0.2	216	A	0.2	216	A	0.2	216	A	0.2	216	A	0.2	216	A	0.2	216	A	0.1	216
142	A	0.2	248	A	0.2	248	A	0.2	248	A	0.3	248	A	0.3	248	A	0.3	248	A	0.5	248	A	0.5	248	A	0.4	248	A	0.7	248	A	0.4	248	A	0.3	248
143	A	0.1	194	A	0.1	194	A	0.1	194	A	0.2	194	A	0.2	194	A	0.2	194	A	0.3	194	A	0.3	194	A	0.3	194	A	0.3	194	A	0.2	194	A	0.1	194
144	A	0.1	145	A	0.1	145	A	0.1	145	A	0.2	145	A	0.1	145	A	0.2	145	A	0.2	145	A	0.3	145	A	0.2	145	A	0.2	145	A	0.2	145	A	0.1	144
145	A	0.1	114	A	0.1	114	A	0.1	114	A	0.1	114	A	0.1	114	A	0.1	114	A	0.2	114	A	0.2	114	A	0.2	114	A	0.1	114	A	0.1	114	A	0.1	114
146	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.1	106	A	0.2	106	A	0.2	106	A	0.2	106	A	0.2	106	A	0.1	106	A	0.1	106	A	0.1	106
147	A	0.6	381	A	0.6	381	A	0.6	381	A	1.1	381	A	1.	381	A	1.2	381	A	1.7	381	A	1.8	381	A	1.6	381	A	4.8	381	A	1.3	381	A	1.2	381
148	A	0.	80	A	0.	80	A	0.	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80
149	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.1	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65
150	A	0.1	208	A	0.1	208	A	0.1	208	A	0.1	208	A	0.1	208	A	0.2	208	A	0.2	208	A	0.2	208	A	0.2	208	A	0.2	208	A	0.2	208	A	0.1	208
151	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31
152	C	0.1	163	C	0.1	163	C	0.1	163	C	0.1	163	C	0.1	163	C	0.1	163	C	0.2	163	C	0.2	163	C	0.2	163	C	0.1	163	C	0.1	163	C	0.1	163
153	C	0.1	164	C	0.1	164	C	0.1	164	C	0.1	164	C	0.1	164	C	0.1	164	C	0.2	164	C	0.2	164	C	0.1	164	C	0.1	164	C	0.1	164	C	0.1	164
154	C	0.1	143	C	0.1	143	C	0.1	143	C	0.1	143	C	0.1	143	C	0.1	143	C	0.2	143	C	0.2	143	C	0.2	143	C	0.2	143	C	0.2	143	C	0.1	141
155	C	0.	119	C	0.	119	C	0.	119	C	0.1	119	C	0.1	119	C	0.1	119	C	0.1	119	C	0.1	119	C	0.1	119	C	0.1	119	C	0.1	119	C	0.1	119
156	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.	37
157	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24
158	C	6.5	445	C	6.	445	C	6.1	445	C	1.	445	C	0.9	445	C	1.1	445	C	1.6	445	C	1.7	445	C	1.5	445	C	1.4	445	C	1.3	445	C	1.	445
159	A	0.7	148	A	0.7	148	A	0.7	148	A	0.2	149	A	0.2	149	A	0.3	149	A	0.6	169	A	0.5	172	A	0.4	172	A	0.5	169	A	0.4	169	A	0.3	186
160	A	1.	160	A	0.9	160	A	0.9	160	A	0.2	167	A	0.1	167	A	0.2	167	A	0.2	163	A	0.2	163	A	0.2	163	A	0.2	163	A	0.2	163	A	0.1	169
161	A	1.4	201	A	1.3	201	A	1.3	201	A	0.2	206	A	0.2	206	A	0.2	206	A	0.3	206	A	0.3	206	A	0.2	206	A	0.2	206	A	0.2	206	A	0.2	212
162	C	10.9	527	C	10.9	527	C	10.9	527	C	1.5	527	C	1.4	527	C	1.7	527	C	2.5	527	C	2.6	527	C	2.3	527	C	2.1	527	C	1.8	527	C	1.4	527
163	A	0.2	101	A	0.2	101	A	0.2	101	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102
164	A	0.1	41	A	0.1	41	A	0.1	41	A	0.	43	A	0.	43	A	0.	43	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41
165	C	10.6	459	C	10.6	459	C	10.6	459	C	1.	459	C	0.9	459	C	1.1	459	C	1.6	459	C	1.8	459	C	1.6	459	C	1.4	459	C	1.2	459	C	0.9	459
166	A	0.1	76	A	0.1	76	A	0.1	76	A	0.	76	A	0.	76	A	0.1	76	A	0.2	93	A	0.1	93	A	0.1	93	C	0.2	88	C	0.2	88	C	0.1	88

Table 34 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			7		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
167	A	0.3	114	A	0.3	114	A	0.3	114	A	0.1	116	A	0.1	116	A	0.1	116	A	0.3	139	A	0.2	139	A	0.2	139	C	0.2	134	C	0.2	134	C	0.1	134
168	A	0.7	166	A	0.6	166	A	0.6	166	A	0.2	181	A	0.2	181	A	0.2	181	A	0.2	147	A	0.2	147	A	0.2	147	A	0.2	147	A	0.1	147	A	0.1	147
169	A	0.4	94	A	0.3	94	A	0.3	94	A	0.1	107	A	0.1	107	A	0.1	107	A	0.1	92	A	0.2	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	91
170	A	0.3	36	A	0.2	36	A	0.2	36	A	0.1	36	A	0.1	36	A	0.1	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36
171	C	10.8	489	C	10.8	489	C	10.8	489	C	1.3	489	C	1.3	489	C	1.6	489	C	2.3	489	C	2.4	489	C	2.1	489	C	1.9	489	C	1.7	489	C	1.3	489
172	C	10.	49	C	10.	49	C	10.	49	C	0.	49	C	0.	49	C	0.1	49	C	0.1	49	C	0.1	49	C	0.1	49	C	0.1	49	C	0.1	49	C	0.	49
173	B	10.	54	B	10.	54	B	10.	54	B	0.	54	B	0.	54	B	0.	54	B	0.	54	B	0.	54	B	0.	54	B	0.	54	B	0.	54	B	0.	54
174	C	10.1	43	C	10.	43	C	10.	43	C	0.1	43	C	0.1	43	C	0.1	43	C	0.1	43	C	0.1	43	C	0.1	43	C	0.1	43	C	0.1	43	C	0.1	43
175	A	10.	20	A	10.	20	A	10.	20	A	0.	20	A	0.	20	A	0.1	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20
176	C	10.	52	C	10.	52	C	10.	52	C	0.1	52	C	0.1	52	C	0.1	52	C	0.1	52	C	0.1	52	C	0.1	52	C	0.1	52	C	0.1	52	C	0.1	52
177	B	10.	54	B	10.	54	B	10.	54	B	0.	54	B	0.	54	B	0.1	54	B	0.	54	B	0.	54	B	0.	54	B	0.	54	B	0.	54	B	0.	54
178	C	10.	52	C	10.	52	C	10.	52	C	0.	52	C	0.	52	C	0.1	52	C	0.1	52	C	0.1	52	C	0.1	52	C	0.1	52	C	0.1	52	C	0.	52
179	C	10.	60	C	10.	60	C	10.	60	C	0.	60	C	0.	60	C	0.1	60	C	0.	60	C	0.	60	C	0.	60	C	0.	60	C	0.	60	C	0.	60
180	C	10.1	81	C	10.	81	C	10.	81	C	0.1	81	C	0.1	81	C	0.1	81	C	0.1	81	C	0.1	81	C	0.1	81	C	0.1	81	C	0.1	81	C	0.1	81
181	C	10.1	81	C	10.	81	C	10.	81	C	0.1	81	C	0.1	81	C	0.1	81	C	0.1	81	C	0.1	81	C	0.1	81	C	0.1	81	C	0.1	81	C	0.1	81
182	C	10.1	77	C	10.	77	C	10.	77	C	0.1	77	C	0.1	77	C	0.1	77	C	0.1	77	C	0.1	77	C	0.1	77	C	0.1	77	C	0.1	77	C	0.1	77
183	C	10.1	83	C	10.	83	C	10.	83	C	0.1	83	C	0.1	83	C	0.1	83	C	0.1	83	C	0.1	83	C	0.1	83	C	0.1	83	C	0.1	83	C	0.1	83
184	C	10.	83	C	10.	83	C	10.	83	C	0.	83	C	0.	83	C	0.1	83	C	0.1	83	C	0.1	83	C	0.1	83	C	0.1	83	C	0.1	83	C	0.	83
185	A	0.	40	A	10.	40	A	10.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40	A	0.	40
186	C	10.1	142	C	10.1	142	C	10.1	142	C	0.1	142	C	0.1	142	C	0.1	142	C	0.1	142	C	0.1	142	C	0.1	142	C	0.1	142	C	0.1	142	C	0.1	142
187	C	0.	25	C	10.	25	C	10.	25	C	0.	25	C	0.	25	C	0.	25	C	0.	25	C	0.	25	C	0.	25	C	0.	25	C	0.	25	C	0.	25
188	C	10.1	144	C	10.1	144	C	10.1	144	C	0.1	144	C	0.1	144	C	0.1	144	C	0.1	144	C	0.1	144	C	0.1	144	C	0.1	144	C	0.1	144	C	0.1	144
189	C	0.	25	C	10.	25	C	10.	25	C	0.	25	C	0.	25	C	0.	25	C	0.	25	C	0.	25	C	0.	25	C	0.	25	C	0.	25	C	0.	25
190	C	10.1	142	C	10.	142	C	10.	142	C	0.1	142	C	0.1	142	C	0.1	142	C	0.1	142	C	0.1	142	C	0.1	142	C	0.1	142	C	0.1	142	C	0.1	142
191	C	10.1	142	C	10.1	142	C	10.1	142	C	0.1	142	C	0.1	142	C	0.2	142	C	0.2	142	C	0.2	142	C	0.2	142	C	0.1	142	C	0.1	142	C	0.1	142
192	A	10.	53	A	10.	53	A	10.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53
193	A	10.	58	A	10.	58	A	10.	58	A	0.	58	A	0.	58	A	0.1	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58
194	B	10.	53	B	10.	53	B	10.	53	B	0.	53	B	0.	53	B	0.	53	B	0.	53	B	0.	53	B	0.	53	B	0.	53	B	0.	53	B	0.	53
195	C	0.	47	C	10.	47	C	10.	47	C	0.	47	C	0.	47	C	0.1	47	C	0.	47	C	0.	47	C	0.	47	C	0.	47	C	0.	47	C	0.	47
196	C	10.1	144	C	10.	144	C	10.	144	C	0.1	144	C	0.	144	C	0.1	144	C	0.1	144	C	0.1	144	C	0.1	144	C	0.1	144	C	0.1	144	C	0.1	144
197	B	10.	53	B	10.	53	B	10.	53	B	0.	53	B	0.	53	B	0.1	53	B	0.	53	B	0.	53	B	0.	53	B	0.	53	B	0.	53	B	0.	53
198	C	10.1	144	C	10.1	144	C	10.1	144	C	0.1	144	C	0.1	144	C	0.2	144	C	0.2	144	C	0.2	144	C	0.2	144	C	0.2	144	C	0.1	144	C	0.1	144
199	C	10.	56	C	10.	56	C	10.	56	C	0.1	56	C	0.	56	C	0.1	56	C	0.1	56	C	0.1	56	C	0.1	56	C	0.1	56	C	0.1	56	C	0.	56
200	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22

Table 34 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
201	A 0. 35	A 0.1 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35
202	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
203	C 0. 49	C 10. 49	C 10. 49	C 0. 49	C 0. 49	C 0. 49	C 0.5 121	C 0.5 121	C 0.5 121	C 0.4 121	C 0.4 121	C 0.3 121
204	A 0. 49	A 0. 57	A 0. 57	A 0. 49	A 0. 49	A 0. 49	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 54
205	A 0. 31	A 0. 31	A 0. 31	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
206	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
207	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
208	A 0. 64	A 0. 62	A 0. 62	A 3.7 64	A 3.5 64	A 3.9 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64
209	A 0. 62	A 0. 57	A 0. 57	A 0.1 63	A 0. 63	A 0.1 63	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62
210	A 0. 103	A 0. 111	A 0. 111	A 3.6 103	A 3.5 103	A 3.9 103	A 0. 103	A 0. 103	A 0. 103	A 0. 103	A 0. 103	A 0. 103
211	A 0. 103	A 0. 107	A 0.1 107	A 3.4 103	A 3.3 103	A 3.7 103	A 0. 103	A 0. 103	A 0. 103	A 0. 103	A 0. 103	A 0. 103
212	A 0.1 99	A 0.1 93	A 0.1 93	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0. 99	A 0. 99
213	A 0.1 101	A 0.1 93	A 0.1 93	A 0.1 103	A 0.1 103	A 0.1 103	A 0.1 101	A 0.1 101	A 0.1 101	A 0. 101	A 0. 101	A 0. 101
214	C 0.1 47	C 0.1 47	C 0.1 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47
215	C 0.1 107	C 0.1 106	C 0.1 106	C 0.1 107	C 0.1 107	C 0.1 107	C 0.1 107	C 0.1 107	C 0.1 107	C 0.1 107	C 0.1 107	C 0.1 107
216	C 0.2 123	C 0.2 110	C 0.2 110	C 0.2 111	C 0.2 111	C 0.3 111	C 0.2 111	C 0.3 111	C 0.2 111	C 0.2 111	C 0.2 111	C 0.2 111
217	C 0.9 1509	C 0.8 506	C 0.8 506	C 0.5 254	C 0.4 254	C 0.5 254	C 0.6 254	C 0.7 254	C 0.7 226	C 0.6 226	C 0.5 226	C 0.5 226
218	C 0.9 82	C 0.1 82	C 0.1 82	C 0.1 82	C 0. 59	C 0. 59	C 0.1 82	C 0.1 82	C 0.1 82	C 0.1 82	C 0.1 82	C 0.1 82
219	C 1. 162	C 0.4 162	C 0.4 162	C 0.3 162	C 0.3 162	C 0.3 162	C 3.2 395	C 0.5 162	C 0.4 162	C 0.2 134	C 0.2 134	C 0.1 134
220	A 0.6 163	A 0.2 163	A 0.2 163	A 0.3 163	A 0.2 163	A 0.3 163	B 2.9 516	A 0.4 163	A 0.4 163	A 0.1 157	A 0.1 157	A 0.1 157
221	A 0.6 159	A 0.3 159	A 0.3 159	A 0.2 159	A 0.2 159	A 0.3 159	B 2.8 504	A 0.4 159	A 0.3 159	A 0.1 157	A 0.1 157	A 0.1 157
222	A 0.1 161	A 0.1 161	A 0.1 161	A 0.2 161	A 0.2 161	A 0.2 161	B 3.4 487	A 0.4 161	A 0.3 161	A 0.1 133	A 0.1 133	A 0.1 133
223	A 0.6 166	A 0.4 166	A 0.4 166	A 0.2 166	A 0.2 166	A 0.2 166	B 2.9 456	A 0.3 166	A 0.3 166	A 0.1 138	A 0.1 138	A 0.1 138

## 2.33 1\_Algebraic\_functions\1.2Trinomialproducts\1.2.2Quartic\1.2.2.3(d+ex^2)^m(a+bx^2+cx^4)^p

Table 35: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 184	A 0. 184	A 0.1 184	A 0.1 184	A 0.1 184	A 0.1 184	A 0.1 184	A 0.1 184	A 0.1 184	A 0.1 184	A 0.1 184	A 0.1 184
2	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95
3	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33
4	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
5	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0.1 60	A 0.1 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60
6	B 0.1 181	B 0.1 181	B 0.1 181	B 0.1 181	B 0.1 181	B 0.1 181	B 0.2 181	B 0.2 181	B 0.2 181	B 0.2 181	B 0.1 181	B 0.1 181
7	B 0.1 181	B 0.1 181	B 0.1 181	B 0.1 181	B 0.1 181	B 0.1 181	B 0.2 181	B 0.2 181	B 0.2 181	B 0.2 181	B 0.1 181	B 0.1 181
8	B 0.1 189	B 0.1 189	B 0.1 189	B 0.1 189	B 0.1 189	B 0.1 189	B 0.2 189	B 0.2 189	B 0.2 189	B 0.2 189	B 0.1 189	B 0.1 189
9	B 0.1 190	B 0.1 190	B 0.1 190	B 0.2 190	B 0.1 190	B 0.2 190	B 0.2 190	B 0.3 190	B 0.2 190	B 0.2 190	B 0.2 190	B 0.1 190
10	A 0.1 248	A 0.1 248	A 0.1 248	A 0.2 248	A 0.2 248	A 0.2 248	A 0.3 248	A 0.3 248	A 0.2 248	A 0.2 248	A 0.2 248	A 0.2 248
11	A 0. 248	A 0. 248	A 0. 248	A 0. 248	A 0. 248	A 0. 248	A 0.1 248	A 0.1 248	A 0.1 248	A 0.1 248	A 0.1 248	A 0. 248
12	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
13	C 0.2 101	C 0.2 101	C 0.2 101	C 0.3 101	C 0.3 101	C 0.3 101	C 0.5 101	C 0.5 101	C 0.4 101	C 0.4 101	C 0.4 101	C 0.3 101
14	A 0. 84	A 0. 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84
15	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42
16	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42
17	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42
18	B 0.1 125	B 0.1 125	B 0.1 125	B 0.1 125	B 0.1 125	B 0.1 125	B 0.1 125	B 0.1 125	B 0.1 125	B 0.1 125	B 0.1 125	B 0.1 125
19	A 0.1 87	A 0.1 87	A 0.1 87	A 0.2 87	A 0.1 87	A 0.2 87	A 0.2 87	A 0.2 87	A 0.2 87	A 0.2 87	A 0.2 87	A 0.2 87
20	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40
21	C 0.1 97	C 0.1 97	C 0.1 97	C 0.1 97	C 0.1 97	C 0.1 97	C 0.2 97	C 0.2 97	C 0.2 97	C 0.2 97	A 0.1 75	C 0.2 97
22	C 0.1 115	C 0.1 115	C 0.1 115	C 0.2 115	C 0.1 115	C 0.1 115	C 0.2 115	C 0.2 115	C 0.2 115	C 0.2 115	C 0.2 115	C 0.2 115
23	C 10.1 103	C 10.1 103	C 10.1 103	C 0.1 103	C 0.1 103	C 3.3 103	C 0.1 103	C 0.1 103	C 0.1 103	C 0.1 103	C 0.1 103	C 0.1 103
24	C 10. 19	C 10. 19	C 10. 19	C 0.1 19	C 0.1 19	C 3.5 19	C 0. 19	C 0. 19	C 0. 19	C 0. 19	C 0. 19	C 0. 19
25	C 10.1 140	C 10.1 140	C 10.1 140	C 0.2 140	C 0.2 140	C 0.2 140	C 0.6 235	C 0.6 235	C 0.5 235	C 0.6 235	C 0.4 235	C 0.3 235
26	C 10.2 98	C 10.2 98	C 10.2 98	C 0.2 98	C 0.2 98	C 0.2 98	C 0.1 98	C 0.1 98	C 0.1 98	C 0.1 98	C 0.1 98	C 0.1 98
27	C 10.1 65	C 10.1 65	C 10.1 65	C 0.1 65	C 0.1 65	C 0.2 65	C 0.1 65	C 0.1 65	C 0.1 65	C 0.1 65	C 0.1 65	C 0. 65
28	A 0.8 106	A 0.6 106	A 0.6 106	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 106
29	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
30	A 0.1 76	A 0. 76	A 0. 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89



Table 35 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			7					
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size			
31	A	0.1	71	A	0.1	71	A	0.1	71	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62			
32	A	0.1	69	A	0.1	69	A	0.1	69	A	0.2	108	A	0.1	108	A	0.2	108	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.	62
33	A	0.2	80	A	0.2	80	A	0.2	80	C	3.2	345	C	3.	345	C	3.8	345	A	0.2	68	A	0.2	68	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90
34	A	0.	63	A	0.	63	A	0.	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63
35	A	0.2	139	A	0.2	139	A	0.2	139	A	0.1	103	A	0.1	103	A	0.1	103	A	0.1	103	A	0.1	103	A	0.1	103	A	0.1	103	A	0.1	103	A	0.1	103	A	0.1	103
36	A	0.1	88	A	0.	88	A	0.	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88
37	A	0.4	570	A	0.4	570	A	0.4	570	A	0.7	570	A	0.7	570	A	0.8	570	A	1.5	570	A	1.5	570	A	1.3	570	A	1.1	570	A	0.9	570	A	0.7	570	A	0.7	570
38	A	0.5	310	A	0.5	310	A	0.5	310	A	0.9	310	A	0.8	310	A	0.9	310	A	1.4	310	A	1.4	310	A	1.3	310	A	2.4	310	A	1.1	310	A	1.1	310	A	1.	310
39	A	0.2	148	A	0.2	148	A	0.2	148	A	0.4	157	A	0.3	157	A	0.4	157	A	0.2	146	A	0.2	146	A	0.2	146	A	0.1	146	A	0.1	146	A	0.1	146	A	0.1	146
40	A	0.2	103	A	0.2	103	A	0.2	103	A	0.1	101	A	0.1	101	A	0.1	101	A	0.1	101	A	0.1	101	A	0.1	101	A	0.1	101	A	0.1	101	A	0.1	101	A	0.1	101
41	C	6.	114	C	5.6	114	C	5.6	114	C	0.1	114	C	0.1	114	C	2.9	114	C	0.1	114	C	0.1	114	C	0.1	114	C	0.1	114	C	0.1	114	C	0.1	114	C	0.	114
42	C	3.8	102	C	3.8	102	C	3.7	102	C	0.	102	C	0.	102	C	0.1	102	C	0.1	102	C	0.1	102	C	0.1	102	C	0.1	102	C	0.	102	C	0.	102	C	0.	102
43	C	9.8	90	C	9.6	90	C	9.6	90	C	0.1	90	C	0.1	90	C	0.2	90	C	0.1	90	C	1.6	520	C	1.5	520	C	0.1	90	C	0.	90	C	0.	90	C	0.	90
44	C	10.3	129	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	C	0.1	129	C	0.1	129	C	0.1	129	C	0.1	129	C	0.1	129	C	0.1	129	C	0.	129
45	C	6.2	119	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	C	0.1	119	C	0.1	119	C	0.1	119	C	0.1	119	C	0.1	119	C	0.1	119	C	0.	119
46	C	17.5	213	C	10.3	213	C	10.3	213	C	0.4	213	C	0.3	213	C	0.4	213	C	0.2	213	C	1.6	559	C	1.7	559	C	0.2	213	C	0.1	213	C	0.1	213	C	0.1	213
47	C	38.8	69	C	10.1	69	C	10.	69	C	0.1	69	C	0.1	69	C	3.3	69	C	0.1	69	C	0.1	69	C	0.1	69	C	0.1	69	C	0.	69	C	0.	69	C	0.	69
48	C	12.3	50	C	10.	50	C	10.	50	C	0.	50	C	0.	50	C	0.1	50	C	0.	50	C	0.	50	C	0.	50	C	0.	50	C	0.	50	C	0.	50	C	0.	50
49	C	18.7	55	C	10.1	55	C	10.1	55	C	0.1	55	C	0.1	55	C	0.1	55	C	0.	55	C	0.	55	C	0.	55	C	0.	55	C	0.	55	C	0.	55	C	0.	55
50	C	17.2	97	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	C	0.1	97	C	0.1	97	C	0.1	97	C	0.1	97	C	0.1	97	C	0.1	97	C	0.	97
51	C	5.4	99	C	5.1	99	C	5.2	99	C	0.	99	C	0.	99	C	0.1	99	C	0.1	99	C	0.1	99	C	0.1	99	C	0.1	99	C	0.1	99	C	0.1	99	C	0.	99
52	C	5.3	102	C	5.2	102	C	5.3	102	C	0.1	102	C	0.1	102	C	0.1	102	C	0.1	102	C	0.1	102	C	0.1	102	C	0.1	102	C	0.1	102	C	0.1	102	C	0.1	102
53	C	12.6	19	C	0.	19	C	0.	19	C	0.	19	C	0.	19	C	0.	19	C	0.	19	C	0.	19	C	0.	19	C	0.	19	C	0.	19	C	0.	19	C	0.	19
54	C	38.1	79	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	C	0.1	79	C	0.1	79	C	0.1	79	C	0.1	79	C	0.1	79	C	0.1	79	C	0.1	79
55	C	4.9	338	C	4.6	338	C	4.6	338	C	0.5	338	C	0.5	338	C	3.8	338	C	0.8	338	C	0.8	338	C	0.7	338	C	0.7	338	C	0.6	338	C	0.6	338	C	0.5	338
56	C	9.8	283	C	9.4	283	C	9.4	283	C	0.2	283	C	0.2	283	C	0.3	283	C	0.3	283	C	4.	945	C	3.7	945	C	0.2	283	C	0.2	283	C	0.2	283	C	0.1	283
57	C	6.2	349	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	C	0.9	349	C	1.1	349	C	0.8	349	C	0.7	349	C	0.6	349	C	0.5	349	C	0.5	349
58	C	5.1	343	C	5.	343	C	5.	343	C	0.4	343	C	0.4	343	C	0.5	343	C	0.8	343	C	0.8	343	C	0.7	343	C	0.7	343	C	0.5	343	C	0.4	343	C	0.4	343
59	C	10.4	309	C	10.4	309	C	10.5	309	C	0.6	309	C	0.6	309	C	0.7	309	C	0.7	309	C	5.9	974	C	6.1	1613	C	0.6	315	C	0.4	315	C	0.3	315	C	0.3	315
60	C	10.	142	C	10.	142	C	10.	142	C	0.1	142	C	0.1	142	C	0.1	142	C	0.1	142	C	0.1	142	C	0.1	142	C	0.1	142	C	0.1	142	C	0.1	142	C	0.1	142
61	C	4.9	328	C	4.5	328	C	4.5	328	C	0.4	328	C	0.3	328	C	0.4	328	C	0.6	328	C	0.7	328	C	0.6	328	C	0.5	328	C	0.4	328	C	0.4	328	C	0.4	328
62	C	11.8	584	C	11.8	584	C	11.9	584	C	3.1	584	C	2.9	584	C	8.1	584	C	4.9	584	C	5.2	584	C	4.6	584	C	4.4	584	C	3.7	584	C	2.9	584	C	2.9	584
63	C	13.5	464	C	13.8	464	C	13.9	464	C	6.	464	C	5.8	464	C	6.5	464	C	6.5	1341	C	6.5	10996	C	6.4	10996	C	6.3	1341	C	6.2	1341	C	6.2	1341	C	1.6	1341
64	A	0.8	373	A	0.6	373	A	0.6	373	A	0.5	373	A	0.5	373	A	5.5	373	B	16.4	1871	A	0.8	373	A	0.6	373	A	0.3	345	A	0.4	345	A	0.3	345	A	0.3	345

Table 35 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
65	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
66	C 10.1 94	C 10.1 94	C 10.1 94	C 0.2 94	C 0.1 94	C 0.2 94	C 0.1 94	C 0.1 94	C 0.1 94	C 0.1 94	C 0. 94	C 0.

2.34 1\_Algebraic\_functions\1.2Trinomialproducts\1.2.2Quartic\1.2.2.4(fx)^m(d+ex^2)^q(a+bx^2+cx^4)^p

Table 36: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
1	A 0. 149	A 0. 149	A 0. 149	A 0. 149	A 0. 149	A 0. 149	A 0. 149	A 0. 149	A 0. 149	A 0. 149	A 0. 149	A
2	A 0. 146	A 0. 146	A 0. 146	A 0. 146	A 0. 146	A 0. 146	A 0. 146	A 0. 146	A 0. 146	A 0. 146	A 0. 146	A
3	A 0. 142	A 0. 142	A 0. 142	A 0. 142	A 0. 142	A 0. 142	A 0. 142	A 0. 142	A 0. 142	A 0. 142	A 0. 142	A
4	A 0.1 56	A 0.1 56	A 0.1 56	A 0. 50	A 0. 50	A 0.1 50	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A
5	A 0.1 69	A 0.1 69	A 0.1 69	A 0. 57	A 0. 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 69	A
6	A 0.2 83	A 0.2 83	A 0.2 83	C 0. 60	C 0. 60	C 0.1 60	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 82	A
7	C 7.8 74	C 7.7 74	C 7.4 74	C 0.1 74	C 0. 74	C 0.1 74	C 0.2 115	C 0.2 115	C 0.2 133	C 0.2 133	C 0.2 133	C
8	C 5.4 49	C 5.3 49	C 5.3 49	C 0. 49	C 0. 49	C 0. 49	C 0.2 106	C 0.2 106	C 0.2 123	C 0.2 123	C 0.1 123	C
9	A 0.1 51	A 0.1 51	A 0.1 51	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A
10	A 0.1 32	A 0.1 32	A 0.1 32	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A
11	A 0.1 50	A 0.1 50	A 0.1 50	A 0. 38	A 0. 38	A 0. 38	A 0.1 38	A 0. 38	A 0. 38	A 0. 38	A 0.1 49	A
12	C 10. 54	C 10. 54	C 10. 54	C 0. 54	C 0. 54	C 0. 54	C 0.2 97	C 0.2 97	C 0.2 121	C 0.1 121	C 0.1 121	C
13	A 0.1 52	A 0.1 52	A 0.1 52	A 0. 46	A 0. 46	A 0.1 46	A 0.1 46	A 0. 46	A 0. 46	A 0. 46	A 0. 55	A
14	A 0.7 189	A 0.4 189	A 0.4 189	A 0.7 189	A 0.2 189	A 0.2 189	A 0.2 189	A 0.2 189	A 0.2 189	A 0.2 189	A 0.1 189	A
15	B 0. 149	B 0. 149	B 0. 149	B 0. 149	B 0. 149	B 0. 149	B 0. 149	B 0. 149	B 0. 149	B 0. 149	B 0. 149	B
16	A 0. 149	A 0. 149	A 0. 149	A 0. 149	A 0. 149	A 0. 149	A 0.1 149	A 0.1 149	A 0. 149	A 0. 149	A 0. 149	A
17	A 0. 147	A 0. 147	A 0. 147	A 0. 147	A 0. 147	A 0.1 147	A 0.1 147	A 0.1 147	A 0.1 147	A 0.1 147	A 0. 147	A
18	A 0.3 125	A 0.3 125	A 0.4 125	A 0. 54	A 0. 54	A 0. 54	A 0.1 54	A 0.1 54	A 0. 54	A 0. 54	A 0. 54	A
19	A 0.3 165	A 0.3 165	A 0.3 165	A 0. 70	A 0. 70	A 0. 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0. 70	A 0. 70	A
20	A 1. 108	A 1. 108	A 1. 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A
21	A 1.1 130	A 1.1 130	A 1.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A
22	A 0. 161	A 0. 161	A 0. 161	A 0.1 161	A 0.1 161	A 0.1 161	A 0.1 161	A 0.1 161	A 0.1 161	A 0.1 161	A 0.1 161	A
23	A 0.1 251	A 0.1 251	A 0.1 251	A 0.2 251	A 0.2 251	A 0.2 251	A 0.3 251	A 0.3 251	A 0.3 251	A 0.3 251	A 0.2 251	A
24	A 0.1 160	A 0.1 160	A 0.1 160	A 0.2 160	A 0.2 160	A 0.2 160	A 0.3 160	A 0.4 160	A 0.3 160	A 0.3 160	A 0.3 160	A
25	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 112	A 0.1 112	A 0.1 112	A
26	A 0.4 298	A 0.4 298	A 0.4 298	A 0.7 298	A 0.7 298	A 0.7 298	A 1.2 298	A 1.2 298	A 1.1 298	A 2. 298	A 0.9 298	A
27	A 0.9 436	A 1. 436	A 1. 436	A 1.8 436	A 1.7 436	A 1.8 436	A 3. 436	A 3. 436	A 2.7 436	A 6.3 459	A 2.3 436	A
28	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A
29	A 0.1 69	A 0.1 69	A 0.1 69	A 0. 71	A 0. 71	A 0. 71	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0. 69	A
30	A 0.1 91	A 0.1 91	A 0.2 91	A 0.1 97	A 0. 97	A 0.1 97	A 0.2 96	A 0.1 96	A 0.1 98	A 0.1 100	A 0.1 100	A

Table 36 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grad
31	C	5.8	234	C	5.3	234	C	5.4	234	C	0.3	234	C	0.3	234	C	2.1	234	C	0.5	234	C	0.5	234	C	0.4	234	C	0.4	234	C	0.4	234	C
32	C	5.	229	C	4.8	229	C	4.9	229	C	0.3	229	C	0.2	229	C	3.3	229	C	0.4	229	C	0.4	229	C	0.4	229	C	0.3	229	C	0.3	229	C
33	C	10.1	237	C	9.5	237	C	9.6	237	C	0.3	237	C	0.3	237	C	0.3	237	C	0.5	237	C	0.5	237	C	0.4	237	C	0.3	237	C	0.3	237	C
34	A	0.1	79	A	0.2	79	A	0.2	79	A	0.	81	A	0.	81	A	0.1	81	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.	79	A
35	A	0.2	99	A	0.2	99	A	0.2	99	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	107	A	0.1	107	A	0.1	109	A	0.1	111	A	0.1	111	A
36	C	7.9	244	C	7.9	244	C	7.9	244	C	0.3	244	C	0.3	244	C	2.2	244	C	0.5	244	C	0.5	244	C	0.5	244	C	0.3	244	C	0.3	244	C
37	A	0.1	63	A	0.1	63	A	0.1	63	A	0.	69	A	0.	69	A	0.	69	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	75	A	0.1	75	A
38	A	0.1	63	A	0.2	63	A	0.2	63	A	0.	67	A	0.	67	A	0.	67	A	0.1	72	A	0.1	74	A	0.1	82	A	0.1	72	A	0.1	72	A
39	A	0.1	25	A	0.1	25	A	0.1	25	A	0.1	25	A	0.1	25	A	0.1	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A
40	C	17.7	219	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	C	0.5	219	C	0.5	219	C	0.4	219	C	0.3	219	C	0.3	219	C
41	A	11.8	370	A	11.6	370	A	11.7	370	A	1.	370	A	1.	370	A	1.1	370	B	5.3	1383	A	2.2	370	A	1.6	373	A	1.2	373	A	1.4	373	A
42	A	11.8	447	A	11.7	447	A	11.7	447	A	1.1	447	A	1.	447	A	1.1	447	B	6.1	2446	A	1.8	447	A	1.5	447	A	1.2	447	A	1.	447	A
43	A	11.3	242	A	11.2	242	A	11.2	242	A	5.1	242	A	5.1	242	A	5.1	242	B	0.5	642	A	0.3	242	A	0.3	242	A	0.2	214	A	0.1	214	A
44	A	11.3	241	A	11.2	241	A	11.2	241	A	0.2	241	A	0.2	241	A	4.7	241	B	3.3	642	A	0.3	241	A	0.2	241	A	0.2	213	A	0.7	282	A
45	A	11.6	397	A	11.5	397	A	11.6	397	A	5.7	397	A	5.7	397	A	5.8	397	B	3.7	1740	A	1.4	397	A	1.3	402	A	1.1	402	A	0.9	402	A
46	A	11.9	460	A	11.7	460	A	11.7	460	A	1.	460	A	1.	460	A	1.1	460	B	6.2	2959	A	1.8	460	A	1.6	463	A	1.3	463	A	1.1	463	A
47	A	0.3	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A
48	A	2.3	267	A	1.9	267	A	2.	267	A	0.3	267	A	0.3	267	A	0.3	267	B	4.4	755	A	0.4	267	A	0.3	267	A	0.3	239	A	0.3	239	A
49	A	3.1	267	A	2.7	267	A	2.7	267	A	0.3	267	A	0.3	267	A	0.3	267	B	4.1	728	A	0.4	267	A	0.3	267	A	0.3	239	A	0.3	239	A
50	A	11.3	307	A	11.3	307	A	11.3	307	A	0.4	307	A	0.4	307	A	0.5	307	B	5.2	728	A	0.7	307	A	0.5	307	A	0.5	293	A	0.6	293	A
51	A	0.	72	A	0.	72	A	0.	72	A	0.	72	A	0.	72	A	0.1	72	A	0.	72	A	0.	72	A	0.	72	A	0.	72	A	0.	72	A
52	A	0.	78	A	0.	78	A	0.	78	A	0.	78	A	0.	78	A	0.	78	A	0.	78	A	0.	78	A	0.	78	A	0.	78	A	0.	78	A
53	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.2	122	A	0.2	122	A	0.2	122	A	0.2	122	A	0.1	122	A
54	A	0.1	139	A	0.1	139	A	0.1	139	A	0.1	139	A	0.1	139	A	0.1	139	A	0.2	139	A	0.2	139	A	0.2	139	A	0.2	139	A	0.1	139	A
55	A	0.4	463	A	0.4	463	A	0.4	463	A	0.7	463	A	0.7	463	A	0.7	463	A	1.1	463	A	1.1	463	A	1.	463	A	1.	463	A	0.8	463	A
56	A	0.7	158	A	0.6	158	A	0.7	158	A	0.4	165	A	0.4	165	A	0.5	165	A	1.3	244	C	6.3	10848	C	6.3	10848	A	1.	244	A	0.8	244	A
57	C	10.2	154	C	10.2	154	C	10.2	154	C	0.3	154	C	0.3	154	C	0.3	154	C	0.2	154	C	6.1	1546	C	6.1	1546	C	0.2	154	C	0.1	154	C
58	C	10.2	224	C	10.2	224	C	10.2	224	C	0.3	224	C	0.2	224	C	0.3	224	C	0.2	224	C	6.1	1650	C	6.1	1650	C	0.2	224	C	0.2	224	C
59	A	10.7	545	A	10.7	545	A	10.7	545	A	1.1	545	A	1.	545	A	1.1	545	A	1.1	492	A	1.1	492	A	1.	492	A	0.9	492	A	0.6	492	A
60	A	1.6	266	A	1.6	266	A	1.6	266	A	0.4	255	A	0.4	255	A	0.4	255	A	0.4	276	A	0.4	276	A	0.5	275	A	0.4	275	A	0.3	275	A
61	C	10.3	213	C	10.3	213	C	10.3	213	C	0.3	213	C	0.3	213	C	0.3	213	C	0.2	213	C	6.1	1609	C	6.1	1609	C	0.2	213	C	0.1	213	C
62	A	0.5	144	A	0.5	144	A	0.5	144	A	0.2	134	A	0.2	134	A	0.2	134	A	0.9	174	C	6.2	3622	C	6.1	3622	A	0.5	174	A	0.4	174	A
63	C	10.2	99	C	10.2	99	C	10.2	99	C	0.2	99	C	0.2	99	C	0.2	99	C	0.1	99	C	6.1	1518	C	6.1	1518	C	0.1	99	C	0.1	99	C
64	A	1.	251	A	0.9	251	A	0.9	251	A	0.9	271	A	0.8	271	A	0.9	271	A	0.6	271	A	0.7	271	A	0.6	271	A	0.8	271	A	0.5	271	A

Table 36 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
65	C 7.5 199	C 7.1 199	C 7.3 199	C 0.3 199	C 0.2 199	C 0.3 199	C 0.2 199	C 6.1 1636	C 6.1 1636	C 0.1 199	C 0.1 199	C
66	C 10.1 199	C 10.1 199	C 10.1 199	C 0.1 199	C 0.1 199	C 0.2 199	C 0.2 199	C 6.1 1636	C 6.1 1636	C 0.1 199	C 0.1 199	C
67	A 1. 383	A 1. 383	A 1. 383	A 7.6 591	A 7.9 591	B 8.4 671	A 1.5 383	A 1.6 383	A 1.1 387	A 0.9 387	A 0.8 387	A
68	C 0.8 626	C 0.8 626	C 0.7 626	B 6.4 4644	B 6.4 4644	B 6.4 4644	F 0 0	B 6.2 4644	B 6.2 4644	F 0 0	F 0 0	F
69	C 1.5 916	C 1.5 916	C 1.4 916	B 6.3 14032	B 6.3 14032	B 6.3 14032	F 0 0	B 6.3 14032	B 6.3 14032	F 0 0	F 0 0	F
70	A 1.2 307	A 1.5 307	A 1.5 307	A 0.9 292	A 0.8 292	A 0.9 292	A 1.1 298	B 6.2 6953	B 6.2 6953	A 0.9 298	A 0.8 298	A
71	C 0.8 449	C 0.7 449	C 0.7 449	B 11.2 7792	B 11.2 7792	B 11.2 7792	F 0 0	B 6.3 7792	B 6.3 7792	F 0 0	F 0 0	F
72	A 1.1 272	A 1. 272	A 1. 272	A 1. 272	A 0.8 272	A 0.9 272	A 1.4 367	A 1.5 367	A 1.3 449	A 1.1 449	A 0.9 449	A
73	A 0.6 259	A 0.4 259	A 0.4 259	A 0.6 259	A 0.5 259	A 0.5 259	A 1.2 420	A 1.3 420	A 1.1 502	A 0.8 502	F 0 0	F
74	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
75	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F

## 2.35 1\_Algebraic\_functions\1.2Trinomialproducts\1.2.2Quartic\1.2.2.5Pq(x) (a+bx<sup>2</sup>+cx<sup>4</sup>)<sup>p</sup>

Table 37: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50
2	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0.1 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69
3	A 0. 196	A 0. 196	A 0. 196	A 0.1 196	A 0.1 196	A 0.1 196	A 0.1 196	A 0.1 196	A 0.1 196	A 0.1 196	A 0.1 196	A 0.1 196
4	A 0.1 98	A 0. 98	A 0. 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99
5	C 0.1 98	C 0.1 98	C 0.1 98	C 0.2 98	C 0.2 98	C 0.2 98	C 0.3 98	C 0.3 98	C 0.3 98	C 0.3 98	C 0.3 98	A 0.1 75
6	C 0.1 121	C 0.1 121	C 0.1 121	C 0.2 121	C 0.1 121	C 0.2 121	C 0.2 121	C 0.2 121	C 0.2 121	C 0.2 121	C 0.2 121	A 0.1 81
7	C 0.4 165	C 0.4 165	C 0.4 165	C 0.7 165	C 0.6 165	C 0.6 165	C 1.1 165	C 1.1 165	C 1.2 195	C 1.4 195	A 0.1 101	C 1.1 165
8	A 0.8 816	A 0.7 816	A 0.7 816	A 1.7 816	A 1.6 816	A 1.6 816	A 2.9 816	A 3.3 816	A 3.2 816	A 2.5 816	A 1.9 816	A 3. 816
9	A 0.9 421	A 0.9 421	A 0.9 421	A 1.8 421	A 1.7 421	A 1.7 421	A 2.8 421	A 2.9 421	A 2.8 422	A 5.2 422	A 2.2 422	A 2. 421
10	A 0.1 193	A 0.1 193	A 0.1 193	A 0.1 193	A 0.1 193	A 0.1 193	A 0.2 193	A 0.2 193	A 0.2 194	A 0.1 194	A 0.1 194	A 0.1 193
11	A 0.1 416	A 0.1 416	A 0.1 416	A 0.1 416	A 0.1 416	A 0.1 416	A 0.2 416	A 0.2 416	A 0.2 416	A 0.1 416	A 0.1 416	A 0.1 416
12	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45
13	A 0. 92	A 0. 92	A 0. 92	A 0. 92	A 0. 92	A 0. 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0. 92	A 0. 92	A 0. 92
14	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
15	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48
16	A 0. 114	A 0. 114	A 0. 114	A 0.1 114	A 0.1 114	A 0.1 114	A 0.1 114	A 0.1 114	A 0.1 114	A 0.1 114	A 0.1 114	A 0.1 114
17	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0.1 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60
18	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 97
19	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144
20	C 33.5 2588	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	C 4.8 2588	C 5.2 2588	C 6.5 2767	C 6.4 2767	C 6.4 2767	C 5.9 2588
21	C 88.5 598	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	C 4.5 598	C 4.6 598	C 4.7 648	C 6.3 2053	C 3.6 648	C 3.1 598
22	A 10.5 19	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
23	A 10.2 61	A 10.2 61	A 10.2 61	A 0.3 61	A 0.3 61	A 5.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0. 61

## 2.36 1\_Algebraic\_functions\1.2Trinomialproducts\1.2.2Quartic\1.2.2.6(dx)^mPq(x)(a+bx^2+cx^4)^p

Table 38: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74
2	A 0. 60	A 0. 60	A 0. 60	A 0.1 60	A 0. 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 61	A 0. 61	A 0. 61	A 0. 61
3	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0.1 62	A 0. 65	A 0. 65	A 0. 65	A 0. 65
4	A 0. 150	A 0. 150	A 0. 150	A 0.1 150	A 0. 150	A 0.1 150	A 0.1 150	A 0.1 150	A 0.1 150	A 0.1 150	A 0.1 150	A 0.1 150	A 0. 150
5	A 0.1 139	A 0.1 139	A 0.1 139	A 0.1 139	A 0.1 139	A 0.1 139	A 0.2 139	A 0.2 139	A 0.1 151	A 0.1 151	A 0.1 151	A 0.1 151	A 0.1 151
6	A 0.1 142	A 0.1 142	A 0.1 142	A 0.1 142	A 0.1 142	A 0.1 142	A 0.2 142	A 0.2 142	A 0.1 143	A 0.1 143	A 0.1 143	A 0.1 143	A 0.1 143
7	A 0.3 460	A 0.3 460	A 0.4 460	A 0.7 460	A 0.6 460	A 0.7 460	A 1.1 460	A 1.2 460	A 1.1 460	A 1. 460	A 0.8 460	A 0.7 460	A 0.7 460
8	A 0.5 377	A 0.5 377	A 0.5 377	A 1.1 377	A 1. 377	A 1. 377	A 1.7 377	A 1.9 377	A 1.7 377	A 1.5 377	A 1.3 377	A 1. 377	A 1. 377
9	A 0.6 358	A 0.6 358	A 0.6 358	A 1.1 358	A 1. 358	A 1.1 358	A 1.6 358	A 1.8 358	A 1.6 358	A 2.7 358	A 1.3 358	A 1.2 356	A 1.2 356
10	A 2.2 296	A 1.9 296	A 1.9 296	A 1.1 296	A 1.2 296	A 1.4 296	A 3.9 296	A 4.2 296	A 3.7 296	A 2.3 296	A 1.5 296	A 1.4 296	A 1.4 296
11	C 2.2 438	C 2.2 438	C 2.1 438	C 0.5 438	C 0.2 168	C 0.3 168	C 0.6 438	C 0.6 438	C 0.6 438	C 0.5 438	C 0.4 438	C 0.4 438	C 0.4 438
12	A 0.6 378	A 0.6 378	A 0.7 378	A 1.2 378	A 1.1 378	A 1.2 378	A 1.9 378	A 2. 378	A 1.9 378	A 3.3 378	A 1.5 378	A 1.4 378	A 1.4 378
13	A 0.3 309	A 0.3 309	A 0.3 309	A 0.6 309	A 0.5 309	A 0.6 309	A 0.9 309	A 1. 309	A 0.9 309	A 1. 309	A 0.7 309	A 0.7 309	A 0.7 309
14	A 0.2 175	A 0.2 175	A 0.2 175	A 0.3 175	A 0.3 175	A 0.3 175	A 0.4 175	A 0.5 175	A 0.4 175	A 0.4 175	A 0.3 175	A 0.3 175	A 0.3 175
15	A 0.7 414	A 0.7 414	A 0.7 414	A 1.3 414	A 1.2 414	A 1.3 414	A 2.1 414	A 2.3 414	A 2.1 415	A 4.3 415	A 1.6 415	A 1.4 415	A 1.4 415
16	A 1.1 548	A 1.1 548	A 1.1 548	A 2.1 548	A 1.9 548	A 2. 548	A 3.3 548	A 3.4 548	A 3.3 548	A 6.4 629	A 2.5 548	A 2.3 548	A 2.3 548
17	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0. 46	A 0. 46
18	A 0. 51	A 0. 51	A 0. 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51
19	A 0.1 56	A 0. 56	A 0. 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56
20	A 0.1 55	A 0. 55	A 0. 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67
21	A 0.1 63	A 0. 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73
22	A 0.1 78	A 0. 78	A 0. 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78
23	A 0.1 73	A 0. 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83
24	A 0.1 82	A 0.1 82	A 0.1 82	C 0.1 105	C 0.1 105	C 0.1 105	C 0.1 105	C 0.1 105	C 0.1 105	C 0.1 105	C 0.1 105	C 0.1 105	C 0.1 105
25	C 0.1 114	C 0.1 114	C 0.1 114	C 0.1 110	C 0.1 110	C 0.1 110	C 0.1 110	C 0.1 110	C 0.1 110	C 0.1 110	C 0.1 110	C 0.1 110	C 0.1 110
26	C 0.1 121	C 0.1 121	C 0.1 121	C 0.2 121	C 0.2 121	C 0.2 121	C 0.3 121	C 0.3 121	C 0.3 121	C 0.3 121	C 0.3 121	C 0.2 121	C 0.2 121
27	C 0.1 126	C 0.1 126	C 0.1 126	C 0.2 126	C 0.2 126	C 0.3 126	C 0.3 126	C 0.3 126	C 0.2 126	C 0.2 126	C 0.2 126	C 0.2 126	C 0.2 126
28	C 0.2 131	C 0.2 131	C 0.2 131	C 0.3 131	C 0.3 131	C 0.3 131	C 0.5 131	C 0.5 131	C 0.5 131	C 0.5 131	C 0.4 131	C 0.4 131	C 0.4 131
29	A 0.8 86	A 0.2 86	A 0.2 86	A 0.7 135	A 0.6 135	A 0.7 135	A 0.2 82	A 0.2 82	A 0.2 82	A 0.1 82	A 0.1 82	A 0.1 96	A 0.1 96

## 2.37 1\_Algebraic\_functions\1.2Trinomialproducts\1.2.3General\1.2.3.2(dx)^m(a+bx^n+cx^(2n))^p

Table 39: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
1	A 0. 42	A 0. 35	A 0. 35	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A
2	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A
3	A 1. 38	A 1. 38	A 1. 38	A 0. 38	A 0. 38	A 0.1 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A
4	A 1. 39	A 1. 39	A 1. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A
5	A 1. 61	A 1. 61	A 1. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A
6	A 1. 61	A 1. 61	A 1. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A
7	A 1. 62	A 1. 62	A 1. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A
8	A 1. 61	A 1. 61	A 1. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A
9	A 1. 61	A 1. 61	A 1. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A
10	A 1. 83	A 1. 83	A 1. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A
11	A 1. 83	A 1. 83	A 1. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A
12	A 1. 83	A 1. 83	A 1. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A
13	A 0.8 276	A 0.8 276	A 0.9 276	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A
14	A 0.8 279	A 0.8 279	A 0.8 279	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A
15	B 0.9 696	B 0.9 696	B 0.9 696	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A
16	A 1. 81	A 1. 81	A 1. 81	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A
17	A 1. 83	A 1. 83	A 1. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A
18	B 0.2 143	B 0.3 143	B 0.3 143	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A
19	A 1.1 235	A 1.1 235	A 1.1 235	A 0.1 235	A 0.1 235	A 0.1 235	A 0.2 235	A 0.2 235	A 0.2 235	A 0.2 235	A 0.1 235	A
20	A 1.1 260	A 1.1 260	A 1.1 260	A 0.1 260	A 0.1 260	A 0.1 260	A 0.1 260	A 0.1 260	A 0.1 260	A 0.1 260	A 0.1 260	A
21	B 0.3 266	B 0.5 267	B 0.5 267	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A
22	A 1.1 242	A 1.1 242	A 1.1 242	A 0.1 242	A 0.1 242	A 0.2 242	A 0.2 242	A 0.3 242	A 0.2 242	A 0.2 242	A 0.2 242	A
23	A 0.2 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A
24	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A
25	A 0.3 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0. 65	A
26	A 0.3 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A
27	A 0.3 49	A 0.1 49	A 0.1 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A
28	C 0. 92	C 0. 92	C 0. 92	C 0. 92	C 0. 92	C 0.1 92	C 0.1 92	C 0.1 92	C 0.1 92	C 0.1 92	C 0. 92	C
29	C 0. 45	C 0. 45	C 0. 45	C 0. 45	C 0. 45	C 0. 45	C 0. 45	C 0. 45	C 0. 45	C 0. 45	C 0. 45	C
30	C 0. 71	C 0. 71	C 0. 71	C 0. 71	C 0. 71	C 0. 71	C 0. 71	C 0.1 71	C 0. 71	C 0. 71	C 0. 71	C



Table 39 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade
31	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A
32	A	0.	111	A	0.	111	A	0.	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A	0.1	111	A
33	A	0.	106	A	0.	106	A	0.	106	A	0.	106	A	0.	106	A	0.	106	A	0.	106	A	0.	106	A	0.	106	A	0.	106	A	0.	106	A
34	C	0.	55	C	0.	55	C	0.	55	C	0.	55	C	0.	55	C	0.	55	C	0.	55	C	0.	55	C	0.	55	C	0.	55	C	0.	55	C
35	A	0.4	166	A	0.3	166	A	0.3	166	A	0.2	164	A	0.2	164	A	0.2	164	A	0.1	159	A	0.1	159	A	0.1	159	A	0.2	164	A	0.2	164	A
36	A	0.3	107	A	0.2	107	A	0.2	107	A	0.1	112	A	0.1	112	A	0.1	112	A	0.3	112	A	0.3	112	A	0.3	117	A	0.3	117	A	0.2	117	A
37	B	10.4	358	B	9.2	358	B	9.1	358	B	0.6	358	B	0.5	358	B	0.6	358	B	4.6	1043	B	1.1	358	B	1.	358	B	0.9	358	B	0.9	358	B
38	B	10.3	337	B	10.2	337	B	10.2	337	B	0.4	337	B	0.4	337	B	0.4	337	B	3.5	701	B	0.7	337	B	0.6	337	B	0.4	282	B	0.4	282	B
39	B	10.2	335	B	10.2	335	B	10.2	335	B	0.3	335	B	0.3	335	B	0.3	335	B	0.8	702	B	0.7	335	B	0.6	335	B	0.3	280	B	0.3	280	B
40	A	0.8	220	A	0.7	220	A	0.7	220	A	0.3	192	A	0.2	192	A	0.3	192	A	0.2	222	A	0.2	222	A	0.2	220	A	0.2	220	A	0.2	220	A
41	A	0.7	194	A	0.5	194	A	0.5	194	A	0.2	175	A	0.2	175	A	0.2	175	A	0.2	194	A	0.2	194	A	0.2	194	A	0.1	194	A	0.1	194	A
42	A	0.9	131	A	0.5	131	A	0.5	131	A	0.1	134	A	0.1	134	A	0.1	134	A	0.4	173	A	0.4	173	A	0.4	154	A	0.3	154	A	0.2	154	A
43	B	10.4	379	B	10.3	379	B	10.3	379	B	0.5	379	B	0.5	379	B	0.5	379	B	1.6	1058	B	1.1	379	B	1.	379	B	0.7	379	B	0.6	379	B
44	A	0.3	138	A	0.3	138	A	0.3	138	A	0.1	137	A	0.1	137	A	0.1	137	A	0.2	135	A	0.2	135	A	0.2	135	A	0.1	135	A	0.1	135	A
45	A	0.3	91	A	0.2	91	A	0.2	91	A	0.	88	A	0.	88	A	0.	88	A	0.1	86	A	0.1	86	A	0.1	86	A	0.1	86	A	0.1	86	A
46	A	0.2	72	A	0.1	72	A	0.1	72	A	0.	72	A	0.	72	A	0.	72	A	0.2	78	A	0.2	78	A	0.2	78	A	0.1	78	A	0.1	78	A
47	A	0.3	91	A	0.2	91	A	0.2	91	A	0.1	92	A	0.1	92	A	0.1	92	A	0.3	97	A	0.3	97	A	0.2	97	A	0.2	97	A	0.2	97	A
48	A	0.6	110	A	0.4	110	A	0.4	110	A	0.1	112	A	0.1	112	A	0.1	112	A	0.5	117	A	0.5	117	A	0.4	117	A	0.2	117	A	0.2	117	A
49	A	0.6	141	A	0.5	141	A	0.5	141	A	0.1	141	A	0.1	141	A	0.1	141	A	0.2	146	A	0.2	146	A	0.2	146	A	0.2	146	A	0.2	146	A
50	A	0.9	166	A	0.7	166	A	0.7	166	A	0.1	179	A	0.1	179	A	0.2	179	A	0.3	159	A	0.3	159	A	0.3	159	A	0.3	159	A	0.2	159	A
51	B	10.4	359	B	10.3	359	B	10.3	359	B	0.5	359	B	0.4	359	B	0.5	359	B	1.4	1056	B	0.9	359	B	0.8	359	B	0.7	359	B	0.6	359	B
52	A	1.9	181	A	1.5	181	A	1.6	181	A	0.1	181	A	0.1	181	A	0.1	181	A	2.3	424	A	0.2	181	A	0.2	181	A	0.1	155	A	0.2	155	A
53	A	0.7	164	A	0.3	164	A	0.3	164	A	0.3	164	A	0.3	164	A	0.3	164	A	2.8	507	A	0.5	164	A	0.4	164	A	0.1	157	A	0.1	157	A
54	A	0.3	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A
55	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A
56	A	0.1	94	A	0.	94	A	0.	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.1	94	A	0.1	94	A
57	A	0.1	90	A	0.	90	A	0.	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A
58	A	0.	91	A	0.	91	A	0.	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91	A
59	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A
60	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A
61	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A
62	C	0.5	82	C	0.2	82	C	0.3	82	C	0.1	82	C	0.	58	C	0.1	58	C	0.1	82	C	0.1	82	C	0.1	82	C	0.1	82	C	0.1	82	C
63	A	0.1	133	A	0.1	133	A	0.1	133	A	0.1	133	A	0.1	133	A	0.1	133	A	0.2	133	A	0.2	133	A	0.2	133	A	0.1	133	A	0.1	133	A
64	C	0.	70	C	0.	70	C	0.	70	C	0.	70	C	0.	70	C	0.	70	C	0.1	70	C	0.1	70	C	0.1	70	C	0.	70	C	0.	70	C

Table 39 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade
65	C	0.	44	C	0.	44	C	0.	44	C	0.	44	C	0.	44	C	0.	44	C	0.	44	C	0.	44	C	0.	44	C	0.	44	C	0.	44	C
66	C	1.1	488	C	1.	488	C	1.	488	C	1.2	488	C	0.4	212	C	0.5	212	C	2.4	488	C	2.4	488	C	2.3	488	C	1.7	488	C	1.3	488	C
67	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A
68	C	0.	79	C	0.	79	C	0.	79	C	0.1	79	C	0.1	79	C	0.1	79	C	0.1	79	C	0.1	79	C	0.1	79	C	0.1	79	A	0.	71	C
69	C	0.	133	C	0.	133	C	0.	133	C	0.1	138	C	0.1	138	C	0.1	138	C	0.1	138	C	0.1	138	C	0.1	138	C	0.1	138	C	0.1	138	C
70	C	0.	100	C	0.	100	C	0.	100	C	0.1	100	C	0.	100	C	0.1	100	C	0.1	100	C	0.1	100	C	0.1	100	C	0.1	100	C	0.1	100	C
71	C	0.	136	C	0.	136	C	0.	136	C	0.1	141	C	0.1	141	C	0.2	141	C	0.2	141	C	0.3	141	C	0.2	141	C	0.2	141	C	0.1	141	C
72	A	0.1	107	A	0.	107	A	0.	107	C	0.1	142	C	0.1	142	C	0.1	142	C	0.2	142	C	0.2	142	C	0.2	142	C	0.2	142	C	0.1	142	C
73	A	0.	68	A	0.	68	A	0.	68	A	0.	68	A	0.	68	A	0.	68	A	0.	68	A	0.	68	A	0.	68	A	0.	68	A	0.	68	A
74	A	0.	68	A	0.	68	A	0.	68	A	0.	68	A	0.	68	A	0.1	68	A	0.	68	A	0.	68	A	0.	68	A	0.	68	A	0.	68	A
75	C	0.1	140	C	0.1	140	C	0.2	140	C	0.2	140	C	0.2	140	C	0.3	140	C	0.4	140	C	0.4	140	C	0.4	140	C	0.4	140	C	0.4	140	C
76	C	0.2	148	C	0.2	148	C	0.2	148	C	0.3	148	C	0.3	148	C	0.4	148	C	0.5	148	C	0.5	148	C	0.5	148	C	0.5	148	C	0.4	148	C
77	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A
78	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A
79	C	0.	61	C	0.	61	C	0.	61	C	0.	61	C	0.	61	C	0.	61	C	0.	61	C	0.	61	C	0.	61	C	0.	61	C	0.	61	C
80	A	0.1	97	A	0.1	97	A	0.1	97	A	0.2	97	A	0.2	97	A	0.2	97	A	0.3	97	A	0.3	97	A	0.3	97	A	0.2	97	A	0.2	97	A
81	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A
82	C	0.	65	C	0.	65	C	0.	65	C	0.	65	C	0.	65	C	0.	65	C	0.	65	C	0.	65	C	0.	65	C	0.	65	C	0.	65	C
83	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A
84	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A
85	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.1	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A
86	A	0.2	174	A	0.2	174	A	0.2	174	A	0.3	174	A	0.3	174	A	0.4	174	A	0.6	174	A	0.6	174	A	0.6	174	A	0.5	174	A	0.4	174	A
87	A	0.2	189	A	0.2	189	A	0.2	189	A	0.3	189	A	0.2	189	A	0.3	189	A	0.5	189	A	0.5	189	A	0.4	189	A	0.3	189	A	0.3	189	A
88	C	0.	197	C	0.	197	C	0.	197	C	0.	197	C	0.	197	C	0.1	197	C	0.1	197	C	0.1	197	C	0.1	197	C	0.	197	C	0.	197	C
89	A	0.	73	A	0.	73	A	0.	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A
90	A	0.1	77	A	0.	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A
91	A	0.2	260	A	0.2	260	A	0.2	260	A	0.3	260	A	0.4	260	A	0.4	260	A	0.6	260	A	0.7	260	A	0.6	260	A	0.8	260	A	0.5	260	A
92	A	0.1	174	A	0.1	174	A	0.1	174	A	0.2	174	A	0.2	174	A	0.2	174	A	0.3	174	A	0.3	174	A	0.3	174	A	0.3	174	A	0.2	174	A
93	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.2	102	A	0.2	102	A	0.2	102	A	0.1	102	A	0.1	102	A
94	A	0.1	97	A	0.1	97	A	0.1	97	A	0.1	97	A	0.1	97	A	0.1	97	A	0.2	97	A	0.2	97	A	0.2	97	A	0.1	97	A	0.1	97	A
95	A	0.2	221	A	0.2	221	A	0.3	221	A	0.5	221	A	0.5	221	A	0.5	221	A	0.7	221	A	0.8	221	A	0.7	221	A	0.9	221	A	0.6	221	A
96	A	1.2	208	A	1.2	208	A	1.2	208	A	0.6	213	A	0.5	213	A	0.6	213	A	1.	233	A	1.1	233	A	1.1	253	A	0.9	253	A	0.7	253	A
97	A	1.	32	A	1.	32	A	1.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A
98	A	0.	67	A	0.	67	A	0.	67	A	0.	65	A	0.	65	A	0.1	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A

Table 39 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade
99	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A
100	A	0.9	143	A	0.2	143	A	0.2	143	A	0.2	143	A	0.2	143	A	0.3	143	A	0.3	199	A	0.3	199	A	0.3	199	A	0.2	199	A	0.2	199	A
101	A	0.8	58	A	0.1	58	A	0.1	58	A	0.	58	A	0.	58	A	0.1	58	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A	0.	59	A
102	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125	A	0.1	125	A
103	A	0.	101	A	0.	101	A	0.	101	A	0.1	103	A	0.	103	A	0.1	103	A	0.1	103	A	0.1	103	A	0.1	103	A	0.1	103	A	0.1	103	A
104	A	0.1	27	A	0.	27	A	0.	27	A	0.	26	A	0.	26	A	0.	26	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A
105	A	0.3	40	A	0.1	40	A	0.1	40	A	0.	40	A	0.	40	A	0.1	40	A	0.1	40	A	0.1	40	A	0.1	40	A	0.	40	A	0.1	40	A
106	A	0.3	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A
107	A	0.	38	A	0.	38	A	0.	38	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A
108	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A	0.1	122	A
109	A	0.3	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A
110	A	0.3	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A
111	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A
112	A	0.3	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58	B	0.2	121	B	0.2	121	B	0.2	121	B	0.1	121	B	0.1	121	B
113	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A
114	C	0.3	75	C	0.1	75	C	0.1	75	C	0.	75	C	0.	75	C	0.	75	C	0.1	75	C	0.1	75	C	0.1	75	C	0.1	75	C	0.1	75	A
115	A	0.8	526	A	0.6	526	A	0.6	526	A	0.9	526	A	0.8	526	A	1.	526	C	0.1	62	C	0.1	62	C	0.1	62	C	0.	62	C	0.	62	C
116	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	74	A	0.1	74	A	0.2	74	A	0.2	74	A	0.2	74	A	0.2	74	A	0.1	74	A	0.1	74	A
117	A	0.4	258	A	0.4	258	A	0.4	258	A	0.5	258	A	0.1	129	A	0.2	129	A	0.8	258	A	0.9	258	B	0.7	312	B	0.6	312	B	0.5	312	B
118	B	0.7	365	B	0.5	365	B	0.5	365	B	0.7	365	B	0.6	365	B	0.8	365	B	8.8	816	B	1.4	365	B	1.3	365	B	0.9	309	B	1.	309	B
119	A	0.4	86	A	0.2	86	A	0.2	86	A	0.2	86	A	0.2	86	A	0.2	86	A	0.2	86	A	0.2	86	A	0.2	86	A	0.1	86	A	0.1	86	A
120	B	5.2	1890	B	4.7	1890	B	4.9	1890	B	6.5	3515	B	2.3	1511	B	2.5	1511	B	6.6	3515	B	6.6	3515	B	6.6	3515	B	6.5	3515	B	6.4	3515	B
121	B	0.1	401	B	0.1	401	B	0.1	401	B	0.1	401	B	0.1	401	B	0.2	401	B	0.2	401	B	0.2	401	B	0.2	401	B	0.2	401	B	0.2	401	B
122	B	0.	154	B	0.	154	B	0.	154	B	0.	154	B	0.	154	B	0.	154	B	0.1	154	B	0.1	154	B	0.1	154	B	0.	154	B	0.	154	B
123	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	128	A	0.1	128	A	0.2	128	A	0.2	128	A	0.1	128	A	0.1	128	A	0.1	128	A
124	A	0.6	247	A	0.6	247	A	0.6	247	A	1.1	247	A	1.1	247	A	1.1	247	A	1.7	247	A	1.8	247	A	1.7	247	A	4.3	247	A	1.4	247	A
125	A	2.7	382	A	2.8	382	A	2.9	382	A	5.3	382	A	5.1	382	A	5.	382	A	6.2	405	A	6.3	405	A	6.2	405	A	4.3	397	A	6.2	405	A
126	A	0.1	222	A	0.1	222	A	0.1	222	A	0.2	222	A	0.1	222	A	0.2	222	A	0.2	222	A	0.2	222	A	0.2	222	A	0.2	222	A	0.2	222	A
127	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A
128	A	0.1	157	A	0.1	157	A	0.1	157	A	0.2	157	A	0.1	157	A	0.2	157	A	0.2	157	A	0.3	157	A	0.2	157	A	0.2	157	A	0.2	157	A
129	A	0.3	266	A	0.3	266	A	0.3	266	A	0.5	266	A	0.6	266	A	0.6	266	A	0.9	266	A	0.9	266	A	0.9	266	A	1.8	266	A	0.7	266	A
130	A	0.3	238	A	0.2	238	A	0.3	238	A	0.5	238	A	0.4	238	A	0.5	238	A	0.8	238	A	0.8	238	A	0.7	238	A	2.3	238	A	0.6	238	A
131	A	6.1	575	A	6.1	575	A	6.2	575	A	6.3	575	A	6.3	575	A	6.3	575	A	6.4	575	A	6.4	575	A	6.3	575	A	4.5	555	A	6.3	575	A
132	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.1	34	A	0.	34	A	0.	34	B	0.	108	B	0.	108	B	0.	108	B

Table 39 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
133	B 0. 188	B 0. 188	B 0. 188	B 0. 188	B 0. 188	B 0.1 188	B 0. 188	B 0. 188	B 0. 188	B 0. 188	B 0. 188	B

## 2.38 1\_Algebraic\_functions\1.2Trinomialproducts\1.2.3General\1.2.3.3(d+ex^n)^q(a+bx^n+cx^(2n))^p

Table 40: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 334	A 0.1 334	A 0.1 334	A 0.1 334	A 0.1 334	A 0.2 334	A 0.2 334	A 0.2 334	A 0.2 334	A 0.2 334	A 0.1 334
2	A 0.1 337	A 0.1 337	A 0.1 337	A 0.1 337	A 0.1 337	A 0.1 337	A 0.2 337	A 0.2 337	A 0.2 337	A 0.2 337	A 0.1 337
3	C 0. 69	C 0. 69	C 0. 69	C 0.1 69	C 0. 69	C 0. 69	C 0.1 69	C 0.1 69	C 0.1 69	C 0.1 69	C 0. 69
4	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55
5	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
6	A 0. 131	A 0. 131	A 0.1 131	A 0.1 131	A 0.1 131	A 0.1 131	A 0.1 131	A 0.1 131	A 0.1 131	A 0.1 131	A 0.1 131
7	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55
8	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57
9	A 0.1 346	A 0.1 346	A 0.1 346	A 0.1 346	A 0.1 346	A 0.1 346	A 0.2 346	A 0.2 346	A 0.2 346	A 0.1 346	A 0.1 346
10	A 0.7 551	A 0.7 551	A 0.7 551	A 1. 551	A 0.9 551	A 1.2 551	A 2.4 551	A 2.4 551	A 2.5 547	A 1.4 547	A 1.2 551
11	A 0.4 107	A 0.2 107	A 0.2 107	A 0.2 107	A 0.2 107	A 0.2 107	A 0.1 107	A 0.2 107	A 0.1 107	A 0.1 107	A 0.1 107
12	A 0.1 83	A 0.1 83	A 0.1 83	A 0. 83	A 0. 83	A 0.1 83	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0. 82
13	A 0.4 213	A 0.2 213	A 0.2 213	A 0.2 213	A 0.2 213	A 0.3 213	A 0.4 213	A 0.4 213	A 0.4 213	A 0.3 213	A 0.3 213
14	A 0.6 216	A 0.6 216	A 0.6 216	A 0.7 216	A 0.6 216	A 0.7 216	A 1.6 348	A 1.8 348	A 1.4 445	A 1.3 445	A 1. 445
15	A 0.4 200	A 0.4 200	A 0.4 200	A 0.5 200	A 0.4 200	A 0.6 200	A 2.3 379	A 2.5 379	B 2.1 565	B 1.8 565	B 1.4 565
16	B 8.1 16855	B 7.9 16855	B 7.9 16855	B 8.5 16855	B 8.3 11657	B 8.6 11657	B 7.6 16855	B 7.7 16855	B 7.6 16855	B 7.3 16855	B 7.1 16855
17	B 3. 690	B 3.2 690	B 3.3 690	B 5.1 690	B 4.5 690	B 5.6 690	B 10.9 10587	B 6.9 8312	B 6.9 8312	B 6.6 690	B 5.7 690
18	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
19	A 0.6 243	A 0.4 243	A 0.4 243	A 0.6 243	A 0.7 243	A 1.1 243	B 9.8 902	A 1.1 243	A 1. 243	A 0.3 215	A 0.3 243
20	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

## 2.39 1\_Algebraic\_functions\1.2Trinomialproducts\1.2.3General\1.2.3.4 $(fx)^m(d+ex^n)^q(a+bx^n+cx^{2n})$

Table 41: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 135	A 0. 135	A 0. 135	A 0. 135	A 0. 135	A 0. 135	A 0.1 135	A 0.1 135	A 0.1 135	A 0.1 135	A 0. 135	A 0. 135	A 0. 135
2	A 0. 104	A 0. 104	A 0. 104	A 0. 104	A 0. 104	A 0.1 104	A 0. 104	A 0. 104	A 0. 104	A 0. 104	A 0. 104	A 0. 104	A 0. 104
3	A 0.2 209	A 0.2 209	A 0.2 209	A 0.3 209	A 0.3 209	A 0.4 209	A 0.5 209	A 0.5 209	A 0.4 220	A 0.3 220	A 0.3 220	A 0.2 220	A 0.2 220
4	A 0.1 126	A 0. 126	A 0. 126	A 0.1 126	A 0.1 126	A 0.1 126	A 0.1 126	A 0.1 126	A 0.1 126	A 0.1 126	A 0.1 126	A 0.1 126	A 0.1 126
5	A 0.1 93	A 0. 93	A 0. 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93
6	A 0. 71	A 0. 71	A 0. 71	A 0.1 71	A 0. 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71
7	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
8	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55
9	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47
10	C 5.4 98	C 4.9 98	C 5. 98	C 0.2 98	C 0.1 98	C 0.2 98	C 0.5 219	C 0.5 219	C 0.4 220	C 0.4 220	C 0.3 220	C 0.3 220	C 0.3 220
11	C 0.1 61	C 0. 61	C 0. 61	C 0.1 61	C 0.1 61	C 0. 61	C 0.1 61	C 0.1 61	C 0.1 61	C 0.1 61	C 0.1 61	C 0.1 61	C 0. 61
12	C 0.1 80	C 0. 80	C 0. 80	C 0. 80	C 0. 80	C 0. 80	C 0.1 80	C 0.1 80	C 0.1 80	C 0. 80	C 0. 80	C 0. 80	C 0. 80
13	C 0.1 85	C 0. 85	C 0. 85	C 0.1 85	C 0.1 85	C 0.1 85	C 0.1 85	C 0.1 85	C 0.1 85	C 0.1 85	C 0.1 85	C 0.1 85	C 0.1 85
14	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57
15	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47
16	A 0.5 249	A 0.3 249	A 0.3 249	A 0.4 249	A 0.3 249	A 0.5 249	A 0.7 249	A 0.7 249	A 0.6 249	A 0.6 249	A 0.4 249	A 0.4 249	A 0.4 249
17	A 0.4 189	A 0.1 189	A 0.2 189	A 0.2 189	A 0.2 189	A 0.2 189	A 0.3 189	A 0.3 189	A 0.3 189	A 0.3 189	A 0.2 189	A 0.2 189	A 0.2 189
18	A 3.1 22	A 0.1 22	A 0.1 22	A 0.1 22	A 0.1 22	A 0.1 22	B 0.7 260	B 0.8 260	B 0.7 260	B 0.5 260	B 0.5 260	B 0.3 260	B 0.3 260
19	A 0.3 33	A 0. 33	A 0. 33	A 0.1 19	A 0.1 19	A 0.1 19	A 0.1 26	A 0.1 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
20	A 0.3 22	A 0.1 22	A 0.1 22	A 0.1 22	A 0.1 22	A 0.1 22	A 0.1 23	A 0.1 23	A 0.1 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
21	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
22	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
23	A 0.3 34	A 0. 34	A 0. 34	A 0.1 21	A 0.1 21	A 0.1 21	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
24	A 0.3 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
25	A 0.8 27	A 0.1 27	A 0.1 27	A 0. 27	A 0. 27	A 0. 27	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
26	A 0.3 28	A 0.1 28	A 0.1 28	A 0. 28	A 0. 28	A 0.1 28	A 0.1 28	A 0.1 28	A 0.1 28	A 0.1 28	A 0.1 28	A 0.1 28	A 0.1 28
27	A 1.9 391	A 1.2 391	A 1.2 391	A 1.3 391	A 1.2 391	A 1.3 391	B 21.8 1615	A 1.6 391	A 1.5 391	A 0.8 330	A 0.7 330	A 0.6 330	A 0.6 330

2.40 1\_Algebraic\_functions\1.2Trinomialproducts\1.2.3General\1.2.3.5(dx)^mPq(x)(a+bx^n+cx^(2n))^p

Table 42: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	C 0.7 223	C 0.8 223	C 0.8 223	C 1.8 223	C 2. 223	C 2.1 223	C 3. 223	C 3. 223	C 3.2 223	C 3.1 223	C 2.7 223	C 3. 223
2	A 1.8 525	A 1.3 525	A 1.3 525	A 1.8 525	A 0.2 233	A 0.3 233	A 4.3 525	A 5. 525	A 4.3 525	A 3. 525	A 2. 525	A 1. 525
3	B 8.1 8737	B 6.9 8737	B 6.9 8737	B 6.9 8737	B 5.9 3688	B 6.5 3688	B 7.1 8737	B 7.2 8737	B 7.1 8737	B 6.9 8737	B 6.8 8737	B 6. 8737
4	A 2. 24	A 2. 24	A 2. 24	A 0.5 24	A 0.4 24	A 0.5 24	A 0.2 24	A 0.2 24	A 0.2 24	A 0.1 24	A 0.1 24	A 0. 24
5	B 16.8 5439	B 8.3 5439	B 8.4 5439	B 7. 5439	B 4.9 2402	B 5.8 2402	B 6.5 5439	B 6.6 5439	B 6.5 5439	B 6.5 5439	B 6.4 5439	B 6. 5439

## 2.41 1\_Algebraic\_functions\1.2Trinomialproducts\1.2.4Improper\1.2.4.2(dx)^m(ax^q+bx^n+cx^(2n-q))^p

Table 43: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	
2	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	
3	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.2 84	A 0.2 84	A 0.2 84	A 0.2 84	A 0.2 84	A 0.1 84	A 0.1 84
4	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57
5	A 0.1 132	A 0.1 132	A 0.1 132	A 0.2 132	A 0.2 132	A 0.2 132	A 0.3 132	A 0.3 132	A 0.3 132	A 0.3 132	A 0.2 132	A 0.2 132	A 0.2 132
6	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81
7	A 0.2 272	A 0.2 272	A 0.2 272	A 0.4 272	A 0.4 272	A 0.5 272	A 0.6 272	A 0.7 272	A 0.7 272	A 0.8 272	A 0.5 272	A 0.4 272	A 0.4 272
8	A 0.3 150	A 0.3 150	A 0.3 150	A 0.2 150	A 0.2 150	A 0.3 152	A 0.3 150	A 0.4 150	A 0.3 153	A 0.3 153	A 0.2 153	A 0.2 153	A 0.2 153
9	A 0.6 159	A 0.5 159	A 0.6 159	A 0.2 160	A 0.2 160	A 0.2 160	A 0.4 186	A 0.4 186	A 0.4 186	A 0.3 186	A 0.3 186	A 0.2 186	A 0.2 186
10	A 0.6 160	A 0.5 160	A 0.5 160	A 0.2 162	A 0.2 162	A 0.2 162	A 0.4 173	A 0.4 173	A 0.4 173	A 0.3 173	A 0.3 173	A 0.2 173	A 0.2 173
11	A 0.5 134	A 0.5 134	A 0.5 134	A 0.1 138	A 0.1 138	A 0.1 138	A 0.3 163	A 0.3 163	A 0.3 163	A 0.2 163	A 0.2 163	A 0.2 163	A 0.2 163
12	A 0.7 180	A 0.7 180	A 0.7 180	A 0.2 181	A 0.2 181	A 0.2 181	A 0.5 220	A 0.6 220	A 0.5 220	A 0.4 220	A 0.3 220	A 0.3 220	A 0.3 220
13	A 0.9 224	A 0.9 224	A 0.9 224	A 0.2 225	A 0.2 225	A 0.3 225	A 0.6 265	A 0.6 265	A 0.6 265	A 0.4 265	A 0.4 265	A 0.3 265	A 0.3 265
14	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48
15	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.2 93	A 0.2 93	A 0.2 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93
16	A 0.1 165	A 0.1 165	A 0.1 165	A 0.1 165	A 0.1 165	A 0.1 165	A 0.2 165	A 0.2 165	A 0.2 165	A 0.2 165	A 0.1 165	A 0.1 165	A 0.1 165
17	A 0.3 191	A 0.2 191	A 0.3 191	A 0.4 191	A 0.4 191	A 0.5 191	A 0.7 191	A 0.8 191	A 0.6 191	A 0.6 191	A 0.5 191	A 0.4 191	A 0.4 191
18	A 0.3 282	A 0.3 282	A 0.3 282	A 0.6 282	A 0.6 282	A 0.7 282	A 0.9 282	A 1. 282	A 0.9 282	A 1.4 282	A 0.7 282	A 0.6 282	A 0.6 282
19	A 0.3 222	A 0.3 222	A 0.3 222	A 0.5 222	A 0.4 222	A 0.5 222	A 0.8 222	A 0.8 222	A 0.7 222	A 0.9 222	A 0.6 222	A 0.5 222	A 0.5 222
20	A 0.3 243	A 0.3 243	A 0.3 243	A 0.5 243	A 0.4 243	A 0.5 243	A 0.7 243	A 0.8 243	A 0.7 243	A 1.1 243	A 0.6 243	A 0.5 243	A 0.5 243
21	A 0.4 344	A 0.5 344	A 0.5 344	A 0.8 344	A 0.8 344	A 0.9 344	A 1.2 344	A 1.3 344	A 1.2 344	A 2.1 344	A 1. 344	A 0.8 344	A 0.8 344
22	A 0.3 154	A 0.2 154	A 0.2 154	A 0.1 155	A 0.1 155	A 0.1 155	A 0.3 165	A 0.2 165	A 0.2 165	A 0.3 137	A 0.2 137	A 0.2 137	A 0.2 137
23	C 10.9 540	C 10.7 540	C 10.8 540	C 1.9 540	C 1.8 540	C 2.1 540	C 3.1 540	C 3.3 540	C 3. 540	C 3. 540	C 2.5 540	C 1.9 540	C 1.9 540
24	A 0. 80	A 0. 80	A 0. 80	A 0. 82	A 0. 82	A 0. 82	A 0. 80	A 0. 80	A 0. 80	A 0. 80	A 0. 80	A 0. 80	A 0. 80
25	C 11.1 193	C 11.1 193	C 11.1 193	C 0.1 193	C 0.1 193	C 0.1 193	C 0.2 193	C 0.2 193	C 0.2 193	C 0.2 193	C 0.2 193	C 0.1 193	C 0.1 193
26	A 0.1 37	A 0.1 37	A 0.1 37	A 0. 37	A 0. 37	A 0. 37	A 0. 39	A 0.1 39	A 0.1 39	A 0. 39	A 0. 39	A 0. 39	A 0. 45
27	A 0.1 82	A 0.1 82	A 0.1 82	A 0. 85	A 0. 85	A 0. 85	A 0.1 91	A 0.1 90	A 0.1 90	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 97
28	A 0.1 61	A 0.1 61	A 0.1 61	A 0. 62	A 0. 62	A 0. 62	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 73



## 2.42 1\_Algebraic\_functions\1.3Miscellaneous\1.3.1Rationalfunctions

Table 44: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 25	A 0. 25	A 0. 25	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
2	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
3	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
4	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
5	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32
6	A 0.1 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53
7	A 0. 44	C 0.1 203	C 0.1 203	C 0.2 196	C 0.2 196	C 0.2 196	C 0.3 196	C 0.3 196	C 0.3 196	C 0.2 196	C 0.2 196	C 0.2 196	C 0.2 196
8	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
9	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
10	A 0.1 75	A 0. 75	A 0. 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75
11	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0. 65	A 0. 66	A 0. 66
12	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11
13	B 0.2 163	B 0.3 163	B 0.3 163	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0. 55
14	C 0. 98	C 0. 98	C 0. 98	C 0.1 98	C 0.1 98	C 0.1 98	C 0.1 98	C 0.1 98	C 0.1 98	C 0.1 98	C 0.1 98	C 0.1 98	C 0.1 98
15	C 0. 109	C 0. 109	C 0. 109	C 0. 109	C 0. 109	C 0. 109	C 0. 109	C 0. 109	C 0. 109	C 0. 109	C 0. 109	C 0. 109	C 0. 109
16	C 0.1 99	C 0. 99	C 0. 99	C 0.1 99	C 0.1 99	C 0.1 99	C 0.1 99	C 0.1 99	C 0.1 99	C 0.1 99	C 0.1 99	C 0.1 99	C 0.1 99
17	C 0.1 99	C 0. 99	C 0. 99	C 0. 99	C 0. 99	C 0.1 99	C 0.1 99	C 0.1 99	C 0.1 99	C 0.1 99	C 0.1 99	C 0.1 99	C 0.1 99
18	C 0.1 99	C 0. 99	C 0. 99	C 0.1 99	C 0.1 99	C 0.1 99	C 0.1 99	C 0.1 99	C 0.1 99	C 0.1 99	C 0.1 99	C 0.1 99	C 0.1 99
19	C 0.1 163	C 0.1 163	C 0.1 163	C 0.1 163	C 0.1 163	C 0.2 163	C 0.2 163	C 0.2 163	C 0.2 163	C 0.2 163	C 0.2 163	C 0.1 163	C 0.1 163
20	C 0. 61	C 0. 61	C 0. 61	C 0. 61	C 0. 61	C 0. 61	C 0. 61	C 0. 61	C 0. 61	C 0. 61	C 0. 61	C 0. 61	C 0. 61
21	C 0. 167	C 0. 167	C 0. 167	C 0. 167	C 0. 167	C 0.1 167	C 0. 167	C 0. 167	C 0. 167	C 0.1 167	C 0. 167	C 0. 167	C 0. 167
22	C 0. 167	C 0. 167	C 0. 167	C 0. 167	C 0. 167	C 0.1 167	C 0.1 167	C 0.1 167	C 0.1 167	C 0.1 167	C 0. 167	C 0. 167	C 0. 167
23	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 18	A 0. 18
24	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
25	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
26	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
27	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
28	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
29	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36
30	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 33	A 0. 33



## 2.43 1\_Algebraic\_functions\1.3Miscellaneous\1.3.2Algebraicfunctions

Table 45: Breakdown of results for each integral

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			grade
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade			
1	A	0.4	133	A	0.1	133	A	0.1	133	A	0.1	133	A	0.1	133	A	0.1	133	A	0.2	204	A	0.2	204	A	0.2	204	A	0.2	204	A	0.2	204	A
2	A	0.5	252	A	0.2	252	A	0.2	252	A	0.3	252	A	0.3	252	A	0.3	252	A	0.6	534	A	0.6	534	A	0.6	534	A	0.5	534	A	0.4	534	A
3	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
4	A	0.5	213	A	0.3	213	A	0.3	213	A	0.5	213	A	0.4	213	A	0.4	213	C	0.3	375	C	0.3	375	C	0.3	375	C	0.3	375	C	0.3	375	C
5	A	0.3	43	A	0.1	43	A	0.1	43	A	0.	43	A	0.	43	A	0.	43	A	0.2	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A
6	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A
7	A	0.1	44	A	0.1	44	A	0.1	44	A	0.	44	A	0.	44	A	0.	44	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
8	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A
9	A	0.6	178	A	0.4	178	A	0.4	178	A	0.3	158	A	0.3	158	A	0.3	158	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
10	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
11	A	0.2	87	A	0.1	87	A	0.1	87	A	0.1	87	A	0.1	87	A	0.1	87	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
12	A	0.6	63	A	0.1	63	A	0.1	63	A	0.	63	A	0.	63	A	0.	63	A	0.2	156	A	0.2	156	A	0.2	156	A	0.2	156	A	0.2	156	A
13	A	0.1	64	A	0.1	64	A	0.1	64	A	0.2	64	A	0.1	64	A	0.2	64	A	0.2	64	A	0.2	64	A	0.2	64	A	0.2	64	A	0.1	64	A
14	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A
15	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A
16	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A
17	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A
18	A	0.3	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.1	46	A	0.	46	A	0.	46	A	0.	46	A
19	A	0.3	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A
20	A	0.3	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A
21	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A
22	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A
23	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A
24	A	0.3	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A
25	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A
26	A	0.3	70	A	0.	70	A	0.	70	A	0.1	70	A	0.	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.	70	A	0.	70	A
27	A	0.3	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A
28	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A
29	A	0.1	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A
30	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A

Table 45 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade			
31	A	0.1	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A			
32	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A			
33	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A			
34	A	0.	20	A	0.	20	A	0.	20	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A			
35	A	0.	22	A	0.	22	A	0.	22	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A			
36	A	0.3	47	A	0.	47	A	0.	47	A	0.1	47	A	0.	47	A	0.	47	A	0.1	47	A	0.1	47	A	0.1	47	A	0.1	47	A			
37	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A			
38	A	0.2	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A			
39	A	0.1	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A			
40	A	0.1	37	A	0.	37	A	0.	37	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A			
41	A	0.1	37	A	0.	37	A	0.	37	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A			
42	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A			
43	A	0.1	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A			
44	A	0.2	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A			
45	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A			
46	A	0.1	31	A	0.	31	A	0.	31	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A			
47	A	0.1	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A			
48	A	0.3	61	A	0.	61	A	0.	61	A	0.1	61	A	0.	61	A	0.	61	A	0.1	47	A	0.1	47	A	0.1	47	A	0.1	47	A			
49	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A			
50	A	0.1	36	A	0.	36	A	0.	36	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A			
51	A	0.1	64	A	0.	64	A	0.	64	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A			
52	A	0.1	64	A	0.	64	A	0.	64	A	0.	64	A	0.	64	A	0.	64	A	0.	64	A	0.	64	A	0.	64	A	0.	64	A			
53	A	0.1	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A			
54	A	0.1	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A			
55	A	0.1	63	A	0.1	63	A	0.1	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A			
56	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A			
57	A	0.1	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A			
58	A	0.1	66	A	0.1	66	A	0.1	66	A	0.	66	A	0.	66	A	0.	66	A	0.	66	A	0.	66	A	0.	66	A	0.	66	A			
59	A	0.1	45	A	0.	45	A	0.1	45	A	0.	45	A	0.	45	A	0.	45	A	0.	45	A	0.	45	A	0.	45	A	0.	45	A			
60	A	0.1	69	A	0.1	69	A	0.1	69	A	0.	69	A	0.	69	A	0.	69	A	0.	69	A	0.	69	A	0.	69	A	0.	69	A			
61	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A			
62	A	0.1	71	A	0.1	71	A	0.1	71	A	0.	81	A	0.	81	A	0.	81	A	0.	81	A	0.1	81	A	0.1	81	A	0.	81	A			
63	A	0.	70	A	0.	70	A	0.	70	A	0.	80	A	0.	80	A	0.	80	A	0.	80	A	0.	80	A	0.	80	A	0.	80	A			
64	A	0.3	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.1	28	A	0.1	28	A	0.1	28	A	0.1	28	A			

Table 45 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			grade
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	
65	A	0.3	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A
66	A	0.	34	A	0.2	34	A	0.2	34	A	0.	24	A	0.	24	A	0.	24	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
67	A	0.3	34	A	0.	34	A	0.	34	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A
68	A	0.3	42	A	0.	42	A	0.	42	A	0.1	29	A	0.1	29	A	0.1	29	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
69	A	0.	42	A	0.	42	A	0.	42	A	0.	29	A	0.	29	A	0.	29	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
70	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A
71	A	0.	42	A	0.	42	A	0.	42	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A
72	C	0.	43	C	10.	43	C	10.	43	C	0.	43	C	0.	43	C	0.	43	C	0.1	77	C	0.1	77	C	0.1	77	C	0.1	77	C	0.1	77	C
73	C	0.	27	C	10.	27	C	10.	27	C	0.	27	C	0.	27	C	0.	27	C	0.1	58	C	0.1	58	C	0.1	58	C	0.1	58	C	0.1	58	C
74	C	0.	27	C	10.	27	C	10.	27	C	0.	27	C	0.	27	C	0.	27	C	0.	74	C	0.	74	C	0.	74	C	0.	74	C	0.	74	C
75	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A
76	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A
77	C	0.	27	C	10.	27	C	10.	27	C	0.	27	C	0.	27	C	0.	27	A	0.2	106	A	0.2	106	A	0.2	106	A	0.2	106	A	0.1	106	A
78	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A
79	A	0.3	30	A	0.1	30	A	0.1	30	A	0.	30	A	0.	30	A	0.	30	A	0.1	30	A	0.1	30	A	0.1	30	A	0.1	30	A	0.1	30	A
80	A	1.4	140	A	0.5	140	A	0.5	140	A	0.2	140	A	0.2	140	A	0.2	140	A	0.2	140	A	0.2	140	A	0.1	140	A	0.1	140	A	0.1	140	A
81	A	1.	298	A	0.5	188	A	0.5	188	A	1.5	361	A	1.3	361	A	1.6	361	A	0.2	167	A	0.2	167	A	0.2	180	A	0.2	180	A	0.2	180	A
82	A	0.7	180	A	0.3	133	A	0.3	133	A	1.	229	A	0.9	229	A	1.1	229	A	0.3	124	A	0.3	124	A	0.3	131	A	0.3	131	A	0.3	131	A
83	B	0.8	275	A	0.2	67	A	0.2	67	A	0.1	42	A	0.1	42	A	0.1	42	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A
84	B	0.2	186	B	0.1	45	B	0.1	45	A	0.	18	A	0.	18	A	0.	18	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A
85	B	0.	72	A	0.1	49	A	0.1	49	A	0.	22	A	0.	22	A	0.1	22	A	0.	35	A	0.	35	A	0.	35	A	0.	34	A	0.	34	A
86	A	0.9	122	A	0.8	175	A	0.8	175	A	0.8	177	A	0.7	177	A	0.7	177	A	0.3	132	A	0.3	132	A	0.3	132	A	0.2	132	A	0.2	132	A
87	A	0.7	95	A	0.8	109	A	0.8	109	A	0.2	109	A	0.1	109	A	0.2	109	A	0.2	130	A	0.2	130	A	0.2	130	A	0.2	130	A	0.2	130	A
88	A	0.	43	A	0.	45	A	0.	45	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A
89	B	0.1	187	B	0.	46	B	0.	46	A	0.	21	A	0.	21	A	0.	21	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A
90	B	0.1	81	B	0.2	68	B	0.2	68	A	0.2	48	A	0.2	48	A	0.2	48	B	0.1	82	B	0.	82	B	0.	82	B	0.	82	B	0.	82	B
91	A	1.2	121	A	0.9	141	A	0.9	141	A	0.4	143	A	0.3	143	A	0.4	143	A	0.7	141	A	0.8	141	A	0.7	141	A	0.7	141	A	0.6	141	A
92	A	1.7	209	A	1.4	209	A	1.4	209	A	0.8	186	A	0.6	186	A	0.7	186	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
93	A	0.8	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35	A
94	A	0.8	31	A	0.1	31	A	0.1	31	A	0.1	44	A	0.1	44	A	0.1	44	A	0.1	44	A	0.1	44	A	0.1	44	A	0.1	44	A	0.1	44	A
95	A	10.2	55	A	4.	72	A	4.1	72	A	0.3	55	A	0.2	55	A	0.2	55	A	0.3	55	A	0.3	55	A	0.3	55	A	0.3	55	A	0.3	55	A
96	A	1.7	173	A	1.5	327	A	1.5	327	A	0.6	223	A	0.6	223	A	0.7	223	A	0.9	222	A	0.9	222	A	1.1	227	A	1.3	227	A	0.9	227	A
97	A	0.1	43	A	0.1	43	A	0.1	43	A	0.	43	A	0.	43	A	0.	43	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A
98	A	0.7	111	A	0.2	111	A	0.2	111	A	0.3	111	A	0.2	111	A	0.3	111	B	7.1	355	B	7.3	355	B	6.8	355	B	15.	351	B	5.5	355	B

Table 45 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			grade
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade			
99	A	0.3	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A			
100	A	0.6	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.	65	A	0.1	65	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
101	A	1.5	186	A	1.5	186	A	1.6	186	A	0.8	186	A	0.7	186	A	0.8	186	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
102	A	10.7	228	A	6.4	228	A	6.6	228	A	1.5	228	A	1.2	228	A	1.5	228	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
103	A	0.4	76	A	0.2	76	A	0.2	76	A	0.1	76	A	0.1	76	A	0.1	76	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
104	C	17.8	4019	C	17.6	4019	C	17.7	4019	C	8.3	4019	C	7.9	4019	C	8.1	4019	F	0	0	C	6.3	4019	C	6.3	4019	F	0	0	F	0	0	F
105	C	20.2	269	C	20.2	269	C	20.2	269	C	0.3	269	C	0.3	269	C	0.3	269	C	0.3	269	C	0.3	269	C	0.3	269	C	0.3	269	C	0.3	269	C
106	C	0.1	233	C	0.1	233	C	0.1	233	C	0.2	233	C	0.1	233	C	0.2	233	C	0.2	233	C	0.2	233	C	0.2	233	C	0.2	233	C	0.2	233	C
107	C	0.1	87	C	0.	87	C	0.	87	C	0.1	87	C	0.1	87	C	0.1	87	C	0.1	87	C	0.1	87	C	0.1	87	C	0.1	87	C	0.1	87	C
108	C	0.1	85	C	0.	85	C	0.	85	C	0.1	85	C	0.1	85	C	0.1	85	C	0.1	85	C	0.1	85	C	0.1	85	C	0.1	85	C	0.1	85	C
109	C	0.1	86	C	0.	86	C	0.	86	C	0.1	86	C	0.	86	C	0.1	86	C	0.1	86	C	0.1	86	C	0.1	86	C	0.1	86	C	0.1	86	C
110	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A
111	A	0.9	42	A	0.5	42	A	0.5	42	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
112	A	0.5	105	A	0.4	105	A	0.4	105	A	0.4	139	A	0.3	139	A	0.4	139	A	0.2	139	A	0.2	139	A	0.2	139	A	0.2	139	A	0.2	139	A
113	A	0.1	108	A	0.2	108	A	0.2	108	A	0.2	126	A	0.2	126	A	0.3	126	A	0.3	161	A	0.3	161	A	0.3	161	A	0.2	161	A	0.2	161	A
114	A	0.1	69	A	0.1	69	A	0.1	69	A	0.2	107	A	0.1	107	A	0.2	107	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
115	B	5.6	320	B	0.5	320	B	0.5	320	B	0.7	320	B	0.6	320	B	0.7	320	B	0.9	320	A	0.3	124	A	0.3	124	A	0.2	124	A	0.2	124	A
116	A	0.	73	A	0.	72	A	0.	72	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A
117	C	0.	126	C	0.	126	C	0.	126	C	0.	22	C	0.	22	C	0.	22	A	0.2	180	A	0.2	180	A	0.2	180	A	0.2	180	A	0.2	180	A
118	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
119	A	0.8	51	C	0.3	82	C	0.3	82	A	0.	48	A	0.	48	A	0.	48	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
120	A	0.2	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A
121	C	0.4	111	C	0.2	111	C	0.2	111	C	0.2	111	C	0.2	111	C	0.2	111	A	0.1	15	A	0.1	15	A	0.1	15	A	0.1	15	A	0.1	15	A
122	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A
123	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A
124	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A
125	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A
126	A	0.	40	A	0.1	40	A	0.1	40	A	0.	26	A	0.	26	A	0.1	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A
127	A	0.	21	A	0.1	21	A	0.1	21	A	0.	21	A	0.	21	A	0.1	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A
128	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A
129	A	0.	34	A	0.1	34	A	0.1	34	A	0.	38	A	0.	38	A	0.	38	A	0.	30	A	0.	30	A	0.	41	A	0.	41	A	0.	41	A
130	B	0.	67	A	0.	55	A	0.	55	B	0.	57	B	0.	57	B	0.	57	A	0.	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56	B
131	A	0.	68	A	0.	56	A	0.	56	A	0.	58	A	0.	58	A	0.	58	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A
132	A	0.	68	A	0.	56	A	0.	56	A	0.	58	A	0.	58	A	0.	58	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A

Table 45 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade			
133	A	0.4	118	A	0.5	110	A	0.5	110	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
134	C	0.1	97	C	0.1	97	C	0.1	97	C	0.	87	C	0.	87	C	0.	87	C	0.7	433	C	0.7	433	C	0.7	433	C	0.5	433	C	0.4	433	C
135	A	1.7	42	A	0.8	42	A	0.8	42	A	0.5	50	A	0.5	50	A	0.6	50	A	0.2	50	A	0.2	50	A	0.2	50	A	0.2	50	A	0.2	50	A
136	C	12.5	419	C	12.2	419	C	12.3	419	C	2.	419	C	1.8	419	C	2.3	419	C	1.2	419	C	6.7	26953	C	6.6	26953	C	0.7	419	C	0.5	419	C
137	B	15.8	173	B	4.5	114	B	4.6	114	B	1.4	161	B	1.2	161	B	1.4	161	B	1.2	213	B	0.9	176	B	0.8	176	B	0.8	176	B	0.7	176	B
138	C	0.2	53	C	0.2	53	C	0.2	53	C	0.	46	C	0.	46	C	0.1	114	C	0.2	114	C	0.	46	C	0.	46	C	0.	46	C	0.	47	C
139	C	10.6	383	C	10.5	383	C	10.6	383	C	0.8	383	C	0.8	383	C	0.9	383	C	0.7	383	C	6.4	15438	C	6.4	15438	C	0.4	383	C	0.3	383	C

## 2.44 1\_Algebraic\_functions\1.3Miscellaneous\1.3.3Expansionproblems

Table 46: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.4 38	A 0.5 38	A 0.6 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38
2	A 0.4 34	A 0.5 34	A 0.5 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 36
3	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28
4	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23
5	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
6	A 0. 19	B 0. 23	B 0. 23	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10
7	A 0. 19	B 0. 23	B 0. 23	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10
8	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11
9	A 0. 22	A 0. 22	A 0. 22	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
10	A 0.1 59	A 0.1 59	A 0.1 59	C 0. 47	C 0. 47	C 0. 47	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 43
11	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53
12	B 0.2 285	B 0.3 361	B 0.3 361	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 84
13	A 0.1 66	A 0.1 66	A 0.1 66	A 0.2 88	A 0.1 88	A 0.2 88	A 0.1 53	A 0.1 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 55
14	A 0.3 55	A 0.4 55	A 0.4 55	C 0.1 64	C 0. 64	C 0.1 64	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 83
15	A 0.2 23	A 0.3 23	A 0.3 23	A 0.2 23	A 0.2 23	A 0.2 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
16	A 0.3 23	A 0.3 23	A 0.3 23	A 0.2 23	A 0.2 23	A 0.3 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
17	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0.1 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44
18	A 0.2 234	A 0.2 234	A 0.2 234	A 0.3 234	A 0.2 234	A 0.3 234	A 0.4 234	A 0.4 234	A 0.4 234	A 0.4 234	A 0.4 234	A 0.3 234	A 0.3 234
19	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56
20	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 22
21	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
22	A 2.1 184	A 0.6 185	A 0.6 185	A 0.8 343	A 0.8 336	A 1. 336	A 0.6 178	A 0.7 178	A 0.4 176	A 0.4 176	A 0.3 176	A 0.3 177	A 0.3 177



## 2.45 1\_Algebraic\_functions\1.3Miscellaneous\1.3.4Substitutionproblems

Table 47: Breakdown of results for each integral

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			grade
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size				
1	A	1.	21	A	0.2	21	A	0.3	21	A	0.1	21	A	0.1	21	A	0.1	21	A	0.1	21	A	0.1	21	A	0.1	21	A	0.	21	A	0.	21	A
2	A	0.1	24	A	0.1	24	A	0.1	24	A	0.	24	A	0.	24	A	0.	24	A	0.1	24	A	0.1	24	A	0.	24	A	0.	24	A	0.	24	A
3	C	0.3	106	C	0.1	106	C	0.1	106	C	0.1	106	C	0.1	106	C	0.1	106	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A
4	A	0.3	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A
5	A	0.3	21	A	0.	21	A	0.1	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A
6	B	0.	98	B	0.	98	B	0.	98	B	0.	98	B	0.	98	B	0.	98	B	0.	98	B	0.	98	B	0.	98	B	0.	98	B	0.	98	B
7	B	0.	80	B	0.	80	B	0.	80	B	0.	80	B	0.	80	B	0.	80	B	0.	80	B	0.	80	B	0.	80	B	0.	80	B	0.	80	B
8	A	0.3	34	A	0.1	34	A	0.1	34	A	0.1	34	A	0.1	34	A	0.1	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A
9	B	0.	140	B	0.	140	B	0.	140	B	0.	140	B	0.	140	B	0.1	140	B	0.1	140	B	0.1	140	B	0.1	140	B	0.1	140	B	0.1	140	B
10	B	0.1	244	B	0.	244	B	0.1	244	B	0.1	244	B	0.1	244	B	0.1	244	B	0.1	244	B	0.1	244	B	0.1	244	B	0.1	244	B	0.1	244	B
11	B	0.1	248	B	0.1	248	B	0.1	248	B	0.1	248	B	0.1	248	B	0.2	248	B	0.2	248	B	0.2	248	B	0.2	248	B	0.2	248	B	0.2	248	B
12	A	0.4	21	A	0.	21	A	0.	21	A	0.1	21	A	0.1	21	A	0.2	21	A	0.1	21	A	0.1	21	A	0.1	21	A	0.	21	A	0.	21	A
13	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A
14	C	0.3	99	C	0.1	99	C	0.1	99	C	0.1	99	C	0.1	99	C	0.1	99	A	0.1	29	A	0.1	29	A	0.1	29	A	0.	29	A	0.	29	A
15	B	0.	96	B	0.	96	B	0.	96	B	0.	96	B	0.	96	B	0.	96	B	0.	96	B	0.	96	B	0.	96	B	0.	96	B	0.	96	B
16	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A
17	A	0.	15	A	10.	15	A	10.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A
18	A	0.	116	A	0.	116	A	0.	116	A	0.	116	A	0.	116	A	0.	116	A	0.1	116	A	0.1	116	A	0.1	116	A	0.1	116	A	0.	116	A
19	C	0.1	173	C	0.1	173	C	0.1	173	C	0.1	173	C	0.1	173	C	0.1	173	C	0.1	173	C	0.2	173	C	0.1	173	C	0.1	173	C	0.1	173	C
20	C	0.1	244	C	0.1	244	C	0.1	244	C	0.2	244	C	0.1	244	C	0.2	244	C	0.2	244	C	0.2	244	C	0.2	246	C	0.2	246	C	0.2	246	C
21	C	0.1	163	C	0.	163	C	0.	163	C	0.1	163	C	0.1	163	C	0.1	163	C	0.1	163	C	0.1	163	C	0.1	163	A	0.4	361	A	0.3	361	A
22	A	0.8	55	A	0.	55	A	0.	55	A	0.	43	A	0.	43	A	0.	43	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.	55	A
23	A	0.4	197	A	0.4	198	A	0.4	198	A	0.5	228	A	0.4	228	A	0.6	228	A	0.7	228	A	0.8	228	A	0.7	228	A	0.6	228	A	0.5	228	A
24	A	0.1	144	A	0.2	107	A	0.2	107	A	0.3	164	A	0.3	164	A	0.4	164	A	0.3	106	A	0.3	106	A	0.3	106	A	0.4	174	A	0.3	174	A
25	A	0.4	176	A	0.3	177	A	0.3	177	A	0.8	230	A	0.8	230	A	1.3	230	A	1.5	292	A	1.5	292	A	0.9	292	A	0.8	292	A	0.6	292	A
26	A	0.9	105	A	0.2	105	A	0.2	105	A	0.1	97	A	0.1	97	A	0.2	97	A	0.1	97	A	0.1	97	A	0.1	97	A	0.1	97	B	0.4	197	B
27	A	0.6	67	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A
28	A	0.7	70	A	0.2	70	A	0.2	70	C	0.	46	C	0.	46	C	0.1	46	A	0.2	70	A	0.2	70	A	0.1	94	A	0.1	94	A	0.1	94	A
29	A	0.6	37	A	0.2	37	A	0.2	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A
30	A	0.1	61	A	0.1	65	A	0.1	65	C	0.	35	C	0.	35	C	0.	35	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A	0.	60	A

Table 47 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			grade
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	
31	B	0.	20	B	0.	20	B	0.	20	B	0.	20	B	0.	20	B	0.	20	B	0.	20	B	0.	20	B	0.	20	B	0.	20	B	0.	20	B
32	A	0.	20	A	0.	20	A	0.	20	A	0.	18	A	0.	18	A	0.1	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A
33	A	0.1	40	A	0.1	40	A	0.1	40	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A
34	A	0.	85	A	0.1	95	A	0.1	95	A	0.	86	A	0.	86	A	0.1	86	A	0.	79	A	0.	79	A	0.	79	A	0.	79	A	0.	79	A
35	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.	57	A	0.1	57	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A	0.	52	A
36	A	0.1	62	A	0.1	62	A	0.1	62	A	0.2	63	A	0.2	63	A	0.2	63	A	0.2	63	A	0.2	63	A	0.2	93	A	0.2	93	A	0.1	93	A
37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A
38	A	0.4	31	A	0.1	31	A	0.1	31	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A
39	A	0.1	136	A	0.1	130	A	0.1	130	A	0.1	127	A	0.1	127	A	0.1	127	A	0.2	156	A	0.2	156	A	0.2	156	A	0.2	156	A	0.1	156	A
40	A	0.5	59	A	0.1	59	A	0.1	59	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A	0.	44	A
41	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	68	A	0.1	68	A	6.6	68	A	0.1	70	A	0.1	70	A	0.1	73	A	0.1	73	A	0.1	73	A
42	B	0.1	50	B	0.	51	B	0.	51	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A
43	B	1.4	326	A	0.1	78	A	0.1	78	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A
44	B	0.	51	B	0.	51	B	0.	51	A	0.	34	A	0.	34	A	0.	34	B	0.	47	B	0.	47	B	0.	47	B	0.	47	B	0.	47	B
45	B	0.	63	B	0.1	63	B	0.1	63	B	0.2	93	B	0.2	93	B	0.2	93	C	0.1	80	C	0.1	80	C	0.1	80	C	0.1	80	C	0.1	80	C
46	A	0.	66	A	0.	64	A	0.	64	A	0.	67	A	0.	67	A	0.	67	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A	0.	62	A
47	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	69	A	0.1	69	A	0.1	69	A	0.	69	A	0.	69	A
48	B	1.7	222	A	0.2	88	A	0.2	88	A	0.	79	A	0.	79	A	0.	79	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1	82	B
49	A	0.	19	A	0.	19	A	0.	19	A	0.	11	A	0.	11	A	0.	11	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A
50	A	0.4	47	A	1.7	41	A	1.7	41	A	0.2	41	A	0.2	41	A	0.3	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A	0.	41	A
51	A	1.7	77	A	0.4	77	A	0.4	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A
52	A	2.	94	A	0.5	94	A	0.5	94	A	0.2	94	A	0.2	94	A	0.2	94	A	0.3	94	A	0.3	94	A	0.3	94	A	0.3	94	A	0.3	94	A
53	A	0.8	112	A	0.1	112	A	0.1	112	A	0.2	126	A	0.1	126	A	0.2	126	A	0.2	126	A	0.2	126	A	0.2	144	A	0.2	144	A	0.1	144	A
54	A	4.	409	A	1.7	409	A	1.8	409	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
55	A	0.3	26	A	0.	29	A	0.1	29	A	0.	26	A	0.	26	A	0.	26	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
56	A	0.2	69	A	0.3	69	A	0.3	69	A	0.	79	A	0.	79	A	0.	79	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91	A
57	C	22.6	261	C	22.7	261	C	22.7	261	C	1.1	261	C	1.	261	C	1.1	261	C	1.4	261	C	1.5	261	C	1.4	261	C	1.4	261	C	1.1	261	C
58	C	18.3	298	C	19.7	298	C	19.9	298	C	1.1	298	C	1.	298	C	1.2	298	C	1.3	298	C	1.3	298	C	1.2	284	C	1.3	284	C	0.9	284	C
59	C	18.8	327	C	22.	327	C	22.	327	C	1.1	327	C	1.	327	C	1.3	327	C	1.4	327	C	1.5	327	C	1.5	322	C	1.8	322	C	1.1	322	C
60	A	0.	285	A	0.	285	A	0.	285	A	0.	285	A	0.	285	A	0.1	285	A	0.1	285	A	0.1	285	A	0.1	285	A	0.1	285	A	0.1	285	A
61	A	0.	92	A	0.	92	A	0.	92	A	0.	92	A	0.	92	A	0.	92	A	0.	92	A	0.	92	A	0.	92	A	0.	92	A	0.	92	A
62	C	14.5	5218	C	16.1	5218	C	16.1	5218	C	6.1	5218	C	6.1	5218	C	6.1	5218	C	6.2	5218	C	6.2	5218	C	6.2	5218	C	6.1	5218	C	6.1	5218	C
63	C	11.3	822	C	11.4	822	C	11.5	822	C	2.4	822	C	2.	822	C	2.6	822	C	3.9	822	C	4.2	822	C	3.9	822	C	4.	822	C	2.9	822	C
64	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A

Table 47 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
65	A 0. 114	A 0. 114	A 0. 114	A 0. 114	A 0. 114	A 0. 114	A 0. 114	A 0. 114	A 0. 114	A 0. 114	A 0. 114	A
66	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C
67	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A
68	A 0. 204	A 0. 204	A 0. 204	A 0. 204	A 0. 204	A 0.1 204	A 0. 204	A 0. 204	A 0. 204	A 0. 204	A 0. 204	A
69	B 13.5 3526	B 16.1 3526	B 16.1 3526	B 6.1 3526	B 6.1 3526	B 6.1 3526	B 6.1 3526	B 6.1 3526	B 6.1 3526	B 6.1 3526	B 6.1 3526	B
70	B 14.1 5647	B 14. 5647	B 14. 5647	B 6.1 5647	B 6.1 5647	B 6.2 5647	B 6.2 5647	B 6.2 5647	B 6.1 5647	B 6.1 5647	B 6.1 5647	B
71	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C
72	C 10.1 826	C 10.1 826	C 10.1 826	C 0.1 826	C 0.1 826	C 0.2 826	C 0.2 826	C 0.2 826	C 0.2 826	C 0.2 826	C 0.2 826	C
73	C 15. 4974	C 15.9 4974	C 16. 5428	C 6.1 5428	C 6. 5428	C 6.1 5428	C 6.1 5428	C 6.1 5428	C 6.1 5428	C 6.1 5428	C 6.1 5428	C

## 2.46 1\_Algebraic\_functions\1.3Miscellaneous\1.3.5Piecewiseconstantextraction

Table 48: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 4.9 35	A 1. 35	A 1.1 35	A 0. 35	A 0. 35	A 0. 35	A 0.1 34	A 0.2 34	A 0.1 34	A 0.1 34	F 0 0	F 0 0	F
2	A 5.9 27	A 5.4 27	A 5.5 27	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A
3	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
4	A 0.4 155	A 0.2 155	A 0.2 155	A 0.2 155	A 0.2 155	A 0.2 155	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
5	C 1.1 50	C 0.9 50	C 1. 50	C 0.1 50	C 0.1 50	C 0.1 50	C 0.1 50	C 0.1 50	C 0.1 50	C 0.1 50	C 0.1 50	C 0.1 50	A
6	A 1.8 110	A 2.3 110	A 2.3 110	A 0.2 110	A 0.1 110	A 0.2 110	A 0.2 110	A 0.2 110	A 0.2 110	A 0.2 110	A 0.1 110	A 0.1 118	A
7	A 2.1 110	A 2.4 110	A 2.4 110	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 110	A
8	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A
9	A 0. 53	A 0.1 53	A 0.1 53	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A
10	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A
11	A 0.2 132	A 0.6 142	A 0.6 142	A 0.2 143	A 0.1 143	A 0.2 143	A 0.2 135	A 0.2 135	A 0.2 135	A 0.2 135	A 0.2 135	A 0.1 137	A
12	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.2 122	A 0.2 122	A 0.2 122	A 0.1 122	A 0.1 122	A 0.1 130	A
13	A 0.2 119	A 0.1 121	A 0.1 121	C 0. 65	C 0. 65	C 0. 65	A 0.1 122	A 0.1 122	A 0.1 122	A 0.1 122	A 0.1 122	A 0.1 124	A
14	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F

## 2.47 1\_Algebraic\_functions\1.3Miscellaneous\1.3.6Derivativeintegrationproblems

Table 49: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2
2	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4
3	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8	A 0. 8
4	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5
5	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13
6	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10
7	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10
8	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0.1 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7
9	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
10	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
11	F 0 0	F 0 0	F 0 0	A 0.1 8	A 0. 8	A 0.1 8	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
12	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
13	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
14	A 0.1 14	A 0.1 14	A 0.1 14	A 0.2 14	A 0. 14	A 0.1 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
15	A 0. 29	A 0. 29	A 0. 29	A 0.1 29	F 0 0	F 0 0	A 0. 29	A 0. 29	A 0. 29	F 0 0	F 0 0	F 0 0	F 0 0
16	A 0.1 10	A 0.1 10	A 0.2 10	A 0.3 10	A 0.1 10	A 0.1 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10
17	A 0.1 10	A 0.1 10	A 0.1 10	A 0.2 10	A 0. 10	A 0.1 10	A 0.1 10	A 0.1 10	A 0.1 10	A 0.1 10	A 0.1 10	A 0. 10	A 0. 10
18	A 0.1 14	A 0.1 14	A 0.2 14	A 0.3 14	A 0.1 14	A 0.1 14	A 0.1 14	A 0.1 14	A 0.1 14	A 0.1 14	A 0.1 14	A 0.1 14	A 0. 14
19	A 0.1 35	A 0.1 35	A 0.1 35	A 0.1 35	F 0 0	F 0 0	A 0.1 35	A 0.1 35	A 0.1 35	F 0 0	F 0 0	F 0 0	F 0 0
20	A 0.1 14	A 0.1 14	A 0.2 14	A 0.2 14	A 0.1 14	A 0.1 14	A 0.1 14	A 0.1 14	A 0.1 14	A 0.1 14	A 0.1 14	A 0.1 14	A 0. 14

## 2.48 2\_Exponentials\2.1u(F^(c(a+bx)))^n

Table 50: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0.1 67	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66
2	A 0.4 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100
3	A 0.2 55	A 0.1 55	A 0.1 55	A 0.2 55	A 0.1 55	A 0.2 55	A 0.2 55	A 0.2 55	A 0.2 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55
4	A 0.3 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0. 56	A 0. 56	A 0. 56
5	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0. 55	A 0. 55	A 0. 55
6	A 0.2 88	A 0.1 88	A 0.1 88	A 0.2 88	A 0.2 88	A 0.2 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88
7	A 0.3 121	A 0.1 121	A 0.1 121	A 0.3 121	A 0.3 121	A 0.3 121	A 0.2 121	A 0.2 121	A 0.2 122	A 0.2 122	A 0.2 122	A 0.1 122	A 0.1 122
8	A 0.1 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0. 75	A 0. 75
9	A 0.3 73	A 0.2 73	A 0.2 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0. 92
10	A 0.4 72	A 0.1 72	A 0.1 72	A 0. 72	A 0. 72	A 0. 72	A 0.7 204	A 0.7 204	A 0.6 204	A 0.6 204	A 0.5 204	A 0.4 204	A 0.4 204
11	A 0.1 63	A 0.1 63	A 0.1 63	A 0. 63	A 0. 63	A 0. 63	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70
12	A 0.3 75	A 0.2 75	A 0.2 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.2 110	A 0.2 110	A 0.2 110	A 0.2 110	A 0.2 110	A 0.1 110	A 0.1 110
13	A 0.3 52	A 0.2 52	A 0.2 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52
14	A 0.5 58	A 0.3 58	A 0.3 58	A 0.2 58	A 0.2 58	A 0.2 58	A 0.1 58	A 0.1 58	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0. 68
15	A 0.5 116	A 0.3 116	A 0.3 116	A 0.3 116	A 0.3 116	A 0.3 116	A 0.2 116	A 0.2 116	A 0.2 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116
16	A 2.4 163	A 1.1 163	A 1.2 163	A 0.5 163	A 0.5 163	A 0.6 163	A 0.4 163	A 0.4 163	A 0.4 151	A 0.4 151	A 0.3 151	A 0.3 149	A 0.3 149
17	A 0.1 23	A 0.2 23	A 0.2 23	A 0.4 23	A 0.4 23	A 0.4 23	A 0.1 23	A 0.1 23	A 0.1 23	A 0.1 23	A 0.1 23	A 0.1 23	A 0. 23
18	A 0.1 29	A 0.1 29	A 0.1 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
19	A 0.1 27	A 0.1 27	A 0.1 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
20	A 0.3 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64

## 2.49 2\_Exponentials\2.2(c+dx)^m(F^(g(e+fx)))^n(a+b(F^(g(e+fx))))^n)^p

Table 51: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
2	A 0. 42	A 0. 42	A 0. 42	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A
3	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
4	A 0.2 66	A 0.2 66	A 0.2 66	A 0.1 35	A 0.1 35	A 0.1 35	A 0.1 35	A 0.1 35	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A
5	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
6	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 62	A 0.1 62	A 0.1 62	A 0.2 69	A 0.2 69	A 0.2 69	A 0.1 69	A 0.1 69	A 0.1 69	A
7	A 0.2 203	A 0.2 203	A 0.2 203	A 0.2 203	A 0.2 203	A 0.2 203	A 0.3 203	A 0.3 203	A 0.2 203	A 0.3 203	A 0.2 203	A 0.2 203	A
8	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0.1 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A
9	A 1.3 161	A 0.5 161	A 0.6 161	A 0.5 161	A 0.4 161	A 0.5 161	A 0.4 161	A 0.4 161	A 0.4 161	A 0.4 161	A 0.3 161	A 0.3 161	A
10	A 2.6 166	A 0.7 166	A 0.7 166	A 0.1 166	A 0.1 166	A 0.2 166	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
11	A 2.3 121	A 0.5 121	A 0.5 121	A 0. 121	A 0. 121	A 0. 121	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
12	A 0.2 128	A 0.2 128	A 0.2 128	A 0.1 84	A 0.1 84	A 0.1 84	A 0.5 97	A 0.6 97	A 0.5 97	A 0.4 97	A 0.4 97	A 0.3 97	A
13	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
14	A 0.6 85	A 0.1 85	A 0.1 85	A 0. 85	A 0. 85	A 0. 85	A 0.1 76	A 0.1 76	A 0. 76	A 0. 76	A 0. 76	A 0. 76	A
15	A 0.4 103	A 0.1 103	A 0.1 103	A 0.2 103	A 0.1 103	A 0.2 103	A 0.1 103	A 0.1 103	A 0.1 103	A 0.1 103	A 0.1 103	A 0.1 103	A
16	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
17	A 0.4 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A
18	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F

## 2.50 2\_Exponentials\2.3Exponentialfunctions

Table 52: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6	
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	
2	A 0.3 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	
3	A 0.3 30	A 0.1 30	A 0.1 30	A 0. 30	A 0. 30	A 0. 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0. 30	
4	A 0. 28	A 0. 28	A 0. 28	A 0. 30	A 0. 30	A 0. 30	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	
5	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	
6	A 0.3 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0. 67	
7	A 1.1 73	A 0.3 73	A 0.3 73	A 0.1 48	A 0. 48	A 0.1 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	
8	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0. 60	A 0.1 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	
9	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	
10	A 0.2 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0. 84	
11	A 0.6 353	A 0.4 353	A 0.4 353	A 0.6 353	A 0.5 353	A 0.7 353	A 0.9 353	A 1. 353	A 0.8 353	A 0.7 353	A 0.6 353	A 0.5 353	A 0. 353	
12	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	
13	A 0.2 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	B 0. 77	B 0. 77	B 0. 77	B 0. 77	B 0. 77	B 0. 77	B 0. 77	
14	A 0.1 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	
15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	
16	A 0.1 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	B 0.1 119	B 0.1 119	B 0.1 119	B 0.1 119	B 0.1 119	B 0.1 119	B 0.1 119	
17	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0. 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0. 95	A 0. 95	
18	A 0.1 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	
19	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	
20	A 0.2 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	
21	A 0.1 32	A 0. 32	A 0.1 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	
22	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	
23	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	
24	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	
25	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	
26	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	B 0. 69	B 0. 69	B 0. 69	B 0. 69	B 0. 69	B 0. 69	B 0. 69	
27	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	
28	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	B 0.1 98	B 0.1 98	B 0.1 98	B 0.1 98	B 0.1 98	B 0.1 98	B 0.1 98	
29	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	
30	A 0. 74	A 0. 74	A 0. 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0. 79	



Table 52 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	B 0.1 112	B 0.1 112	B 0.1 115	B 0.1 115	B 0.1 115	B 0. 115	B 0. 115
32	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
33	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45
34	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46
35	A 0.5 96	A 0.2 96	A 0.2 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.2 96	A 0.2 96	A 0.2 96	A 0.2 96	A 0.1 96	A 0.1 96	A 0.1 96
36	A 0.5 83	A 0.2 83	A 0.2 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83
37	A 0.3 63	A 0.1 63	A 0.1 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63
38	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
39	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
40	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
41	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
42	A 0.1 241	A 0.1 241	A 0.1 241	A 0.2 241	A 0.2 241	A 0.2 241	A 0.2 241	A 0.2 241	A 0.2 241	A 0.2 241	A 0.2 241	A 0.2 241	A 0.1 241
43	A 0.1 128	A 0.1 128	A 0.1 128	A 0.1 128	A 0.1 128	A 0.1 128	A 0.1 128	A 0.1 128	A 0.1 128	A 0.1 128	A 0.1 128	A 0.1 128	A 0.1 128
44	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.2 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0. 68
45	A 0.1 115	A 0.1 115	A 0.1 115	A 0.2 115	A 0.2 115	A 0.2 115	A 0.2 115	A 0.2 115	A 0.1 118	A 0.1 118	A 0.1 118	A 0.1 118	A 0.1 118
46	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
47	A 0.1 195	A 0.1 195	A 0.1 195	A 0.2 195	A 0.2 195	A 0.3 195	A 0.2 195	A 0.3 195	A 0.3 195	A 0.2 195	A 0.2 195	A 0.2 195	A 0.2 195
48	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67
49	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
50	A 0.3 61	A 0.1 61	A 0.1 61	A 0. 61	A 0. 61	A 0. 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0. 61
51	A 0.4 90	A 0.2 90	A 0.2 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.2 88	A 0.2 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88
52	A 0.4 77	A 0.2 77	A 0.2 77	A 0.1 77	A 0. 77	A 0. 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77
53	A 0.5 49	A 0.3 49	A 0.3 49	A 0. 49	A 0. 49	A 0. 49	B 0.2 129	B 0.2 129	B 0.2 128	B 0.2 128	B 0.2 128	B 0.2 128	B 0.2 128
54	A 0.4 31	A 0.2 31	A 0.2 31	A 0. 31	A 0. 31	A 0. 31	B 0.1 88	B 0.1 88	B 0.1 88	B 0.1 88	B 0.1 88	B 0.1 88	B 0.1 88
55	A 0.4 56	A 0.2 56	A 0.2 56	A 0.1 56	A 0. 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0. 56	A 0. 56	A 0. 56
56	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
57	A 0.6 31	A 0.2 31	A 0.2 31	A 0. 31	A 0. 31	A 0. 31	B 0.1 111	B 0.2 111	B 0.2 112	B 0.2 112	B 0.2 112	B 0.1 112	B 0.1 112
58	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76
59	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20
60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0.1 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60
61	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	B 0.2 96	B 0.2 96	B 0.2 96	B 0.2 96	B 0.1 96	B 0.1 96	B 0.1 96
62	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
63	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47
64	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	B 0.2 129	B 0.2 129	B 0.2 129	B 0.2 129	B 0.2 129	B 0.1 129	B 0.1 129

Table 52 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
65	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46
66	A 0. 81	A 0. 81	A 0. 81	A 0.1 81	A 0. 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0. 81
67	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0.2 93	A 0.2 93	A 0.2 93	A 0.2 93	A 0.2 93	A 0.2 93	A 0.2 93
68	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.2 111	A 0.2 111	A 0.2 111	A 0.2 111	A 0.2 111	A 0.2 111	A 0.1 111	A 0.1 111
69	A 0.1 127	A 0.1 127	A 0.1 127	A 0.2 127	A 0.2 127	A 0.2 127	A 0.2 127	A 0.2 127	A 0.2 127	A 0.2 127	A 0.2 127	A 0.2 127	A 0.2 127
70	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0.1 49	B 0.3 143	B 0.3 143	B 0.3 143	B 0.3 143	B 0.3 143	B 0.3 143	B 0.2 143
71	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0. 61
72	A 0.1 96	A 0.1 96	A 0.1 96	A 0.2 96	A 0.2 96	A 0.2 96	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80
73	A 0. 71	A 0. 71	A 0. 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63
74	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0. 47	A 0. 47
75	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0. 64
76	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0.3 78	A 0.3 78	A 0.3 78	A 0.3 78	A 0.3 78	A 0.2 78	A 0.2 78
77	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
78	C 0. 32	C 0. 32	C 0. 32	C 0. 32	C 0. 32	C 0. 32	A 0. 76	A 0.1 76	A 0. 76	A 0. 76	A 0. 76	A 0. 76	A 0. 76
79	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0. 50
80	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0. 78
81	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
82	A 0.5 167	A 0.4 167	A 0.4 167	A 0.2 167	A 0.2 167	A 0.3 167	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
83	A 0.4 86	A 0.3 86	A 0.3 86	A 0.1 86	A 0.1 86	A 0.1 86	F 0 0	F 0 0	F 0.5 86	F 0 0	F 0 0	F 0 0	F 0 0
84	A 0.2 292	A 0.2 292	A 0.2 292	A 0.4 292	A 0.3 292	A 0.4 292	A 0.4 292	A 0.4 292	A 0.4 292	A 0.4 292	A 0.3 292	A 0.3 292	A 0.3 292
85	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37
86	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50
87	A 0.1 195	A 0.1 195	A 0.1 195	A 0.2 195	A 0.1 195	A 0.2 195	A 1.1 279	A 1.2 279	A 1. 302	A 0.9 302	A 0.8 302	A 0.6 302	A 0.6 302
88	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
89	A 0.2 91	A 0.3 91	A 0.3 91	A 0.2 91	A 0.2 91	A 0.3 91	A 0.3 91	A 0.3 91	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101
90	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0. 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0. 68	A 0. 68	A 0. 68
91	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
92	A 0.6 191	A 0.5 191	A 0.5 191	A 0.4 191	A 0.4 191	A 0.4 191	A 0.6 191	A 0.6 191	A 0.6 191	A 0.5 191	A 0.4 191	A 0.4 191	A 0.4 191
93	A 0.3 116	A 0.2 116	A 0.2 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116
94	A 0.8 31	A 0.4 31	A 0.4 31	A 0.2 31	A 0.1 31	A 0.2 31	A 0. 31	A 0.1 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
95	A 0.7 29	A 0.2 29	A 0.2 29	A 0.1 29	A 0.1 29	A 0.1 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
96	C 0.3 83	C 0.1 83	C 0.2 83	C 0.1 83	C 0.1 83	C 0.2 83	C 0.1 83	C 0.1 83	C 0.1 83	C 0.1 83	C 0.1 83	C 0.1 83	C 0. 83
97	A 0.9 320	A 0.9 320	A 0.9 320	A 1.2 232	A 1.1 232	A 1.4 232	A 1.5 232	A 1.6 232	A 0.5 199	A 0.5 199	A 0.5 199	A 0.4 199	A 0.4 199
98	A 0.1 26	A 0.1 26	A 0.1 26	A 0. 26	A 0. 26	A 0. 26	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 19

Table 52 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
99	A 0.1 36	A 0.1 36	A 0.1 36	A 0. 36	A 0. 36	A 0. 36	A 0.1 39	A 0.1 39	A 0. 39	A 0. 39	A 0. 39	A 0. 19	
100	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
101	A 0.1 34	A 0.1 34	A 0.1 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34
102	A 0.1 38	A 0.1 38	A 0.1 38	A 0. 38	A 0. 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0. 38	A 0. 38	A 0. 38
103	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.2 57	A 0.2 57	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73
104	A 0.2 278	A 0.2 278	A 0.2 278	A 0.2 407	A 0.2 407	A 0.3 407	A 0.3 407	A 0.3 407	A 0.3 407	A 0.3 407	A 0.2 407	A 0.2 407	A 0.2 407
105	A 0.1 92	A 0.2 92	A 0.2 92	A 0.2 93	A 0.1 93	A 0.2 93	A 0.2 93	A 0.2 93	A 0.2 93	A 0.2 93	A 0.2 93	A 0.2 93	A 0.1 93
106	A 0.3 118	A 0.2 118	A 0.2 118	A 0.2 102	A 0.2 102	A 0.3 102	A 0.3 102	A 0.3 102	A 0.3 102	A 0.3 102	A 0.2 102	A 0.2 102	A 0.2 102
107	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0. 33	A 0. 33
108	A 0.3 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50
109	A 0. 18	A 0. 18	A 0. 18	A 0. 16	A 0. 16	A 0. 16	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
110	A 0.3 29	A 0.4 29	A 0.4 29	A 0.3 29	A 0.3 29	A 0.3 29	A 0.1 29	A 0.1 29	A 0.1 29	A 0.1 29	A 0.1 29	A 0.1 29	A 0. 29
111	A 0.3 28	A 0.4 28	A 0.4 28	A 0.3 28	A 0.2 28	A 0.3 28	A 0.1 28	A 0.1 28	A 0.1 28	A 0.1 28	A 0.1 28	A 0.1 28	A 0. 28
112	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
113	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
114	A 1.8 644	A 1.4 644	A 1.5 644	B 2.1 677	B 1.9 677	B 2.3 677	A 5.4 574	A 4.9 574	A 4.5 574	A 3. 574	A 2.5 574	A 2. 574	A 2. 574
115	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
116	A 0.2 36	A 0.2 36	A 0.2 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36
117	A 0.8 46	A 1.7 46	A 1.7 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0. 49	A 0.1 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49
118	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13
119	A 0. 23	A 0. 21	A 0. 21	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 20
120	A 0. 19	A 0. 15	A 0. 15	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 14
121	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0.1 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10
122	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 21
123	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11
124	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0.1 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11
125	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53
126	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10
127	A 0. 40	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40
128	A 0.1 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48
129	A 0. 54	A 0. 54	A 0. 54	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55
130	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5
131	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13
132	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 21

Table 52 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
133	A 0. 34	A 0. 30	A 0. 30	A 0. 29	A 0. 29	A 0. 29	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
134	A 0.1 41	A 0.1 41	A 0.1 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47
135	A 0.1 16	A 0.1 16	A 0.1 16	A 0. 16	A 0. 16	A 0. 16	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
136	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
137	A 0.1 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11
138	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
139	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
140	A 0.1 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13
141	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
142	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
143	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
144	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
145	A 0.3 74	A 0.3 74	A 0.3 74	A 0. 74	A 0. 74	A 0. 74	F 0 0	F 0 0	F 0.4 76	F 0 0	F 0 0	F 0 0	F 0 0
146	A 0. 17	A 0. 17	A 0. 17	A 0.3 17	A 0.2 17	A 0.3 17	A 0.1 17	A 0.1 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17

## 2.51 3\_Logarithms\3.1u(a+blog(c(d(e+fx)^p)^q))^n

Table 53: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	grade
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	
1	A 0.3 321	A 0.3 321	A 0.3 321	A 0.4 321	A 0.4 321	A 0.6 321	A 0.7 322	A 0.7 322	A 0.7 322	A 0.4 322	A 0.3 322	A
2	A 0.1 156	A 0.1 156	A 0.1 156	A 0.2 156	A 0.2 156	A 0.2 156	A 0.2 157	A 0.2 157	A 0.2 157	A 0.2 157	A 0.2 157	A
3	A 0.1 115	A 0.1 115	A 0.1 115	A 0.2 115	A 0.2 115	A 0.3 115	A 0.2 297	A 0.2 297	A 0.2 297	A 0.2 297	A 0.2 297	A
4	A 0.2 400	A 0.2 400	A 0.2 400	A 0.3 400	A 0.3 400	A 0.4 400	A 1.2 634	A 1.2 634	A 1.2 634	A 0.8 634	A 0.7 634	A
5	A 0.7 884	A 0.7 884	A 0.7 884	A 1.3 884	A 1.7 884	A 1.9 884	A 2.5 884	A 2.5 884	A 2.7 881	A 2.3 881	A 1.9 881	B
6	B 0.4 1301	B 0.4 1301	B 0.4 1301	B 0.6 1301	B 0.6 1301	B 0.7 1301	B 0.8 1301	B 0.8 1301	B 0.8 1301	B 0.6 1301	B 0.6 1301	B
7	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A
8	A 0. 163	A 0. 163	A 0. 163	A 0.1 163	A 0.1 163	A 0.1 163	A 0.1 131	A 0.1 131	A 0.1 131	A 0.1 131	A 0.1 131	A
9	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
10	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
11	B 2.1 4472	B 1.7 4472	B 1.7 4472	B 3.1 4472	B 2.7 4472	B 3.2 4472	B 3.8 4472	B 3.8 4472	B 3.7 4472	B 3. 4472	B 2.5 4472	B
12	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
13	A 0.4 458	A 0.5 458	A 0.5 458	A 0.7 458	A 0.7 458	A 0.8 458	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
14	A 0.3 298	A 0.3 298	A 0.3 298	A 0.4 298	A 0.4 298	A 0.5 298	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
15	A 1.6 736	A 1.5 736	A 1.6 736	A 2.4 736	A 2.4 736	A 3.1 736	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
16	A 2.5 843	A 2.5 843	A 2.6 843	A 4.1 843	A 3.9 843	A 4.8 843	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
17	A 1.2 625	A 1.2 625	A 1.3 625	A 2.1 625	A 1.9 625	A 2.6 625	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
18	A 0.6 402	A 0.6 402	A 0.6 402	A 0.9 402	A 0.8 402	A 1.3 402	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
19	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
20	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
21	B 1.8 1040	B 1.5 1040	B 1.6 1040	B 2.8 1040	B 2.5 1040	B 3.2 1040	B 3.9 1680	B 3.7 1680	B 3.5 1680	A 2.6 744	A 2. 744	A
22	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
23	A 0.1 84	A 0.1 84	A 0.1 84	A 0.3 84	A 0.2 84	A 0.3 84	A 0.4 84	A 0.4 84	A 0.4 84	A 0.3 84	A 0.3 84	A
24	C 0.1 91	C 0.1 91	C 0.1 91	C 0.1 91	C 0.1 91	C 0.1 91	A 1.3 135	A 1.3 135	A 0.7 155	A 0.7 155	A 0.6 155	A
25	B 13.1 1407	B 12.6 1407	B 12.7 1407	C 1.8 646	C 1.7 646	C 2.1 646	C 2.6 646	C 2.6 646	C 2.4 646	C 2.1 646	B 12.4 1407	B
26	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
27	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
28	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
29	A 0.2 131	A 0.1 131	A 0.1 131	A 0.2 131	A 0.2 131	A 0.2 131	A 0.3 131	A 0.3 131	A 0.3 131	A 0.2 131	A 0.2 131	A
30	A 0. 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A

Table 53 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			grade
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size				
31	A	0.8	664	A	0.8	664	A	0.8	664	A	1.2	680	A	1.1	680	A	1.5	680	A	1.3	654	A	1.3	654	A	1.7	653	A	1.2	653	A	1.	653	A
32	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
33	C	0.2	281	C	0.3	281	C	0.3	281	A	0.4	457	A	0.4	457	A	0.5	457	A	8.4	349	A	8.2	349	A	8.3	349	A	5.6	314	A	4.3	333	A
34	A	0.3	534	A	0.3	534	A	0.3	534	A	0.5	534	A	0.5	534	A	0.6	534	C	1.	186	C	1.	186	C	0.9	186	C	0.9	186	B	7.9	867	B
35	A	0.	117	A	0.1	117	A	0.1	117	A	0.1	117	A	0.1	117	A	0.1	117	A	0.2	211	A	0.2	211	A	0.1	211	A	0.1	211	A	0.1	211	A
36	A	0.1	225	A	0.1	225	A	0.1	225	A	0.2	225	A	0.3	225	A	0.4	225	A	0.5	527	A	0.5	527	B	0.7	549	B	0.6	549	B	0.6	549	B
37	B	1.2	3272	B	1.3	3272	B	1.3	3272	B	1.8	3272	B	1.8	3272	B	4.4	3272	B	5.3	3339	B	5.5	3339	B	3.7	3530	B	1.3	3530	B	1.1	3530	B
38	A	0.4	927	A	0.4	927	A	0.4	927	A	0.7	927	A	0.6	927	A	0.8	927	A	1.	909	A	1.	909	A	0.9	897	A	0.8	897	A	0.6	897	B
39	B	0.8	4056	B	0.8	4056	B	0.9	4056	B	1.6	4056	B	1.5	4056	B	2.8	4056	B	4.	4146	B	4.1	4146	B	2.2	4146	B	1.7	4146	B	1.4	4146	B
40	A	0.7	1057	A	0.8	1057	A	0.8	1057	A	1.7	1057	A	2.	1057	A	2.4	1057	A	2.8	1057	A	4.1	1057	B	6.6	3086	A	5.6	1268	A	4.4	1268	B
41	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
42	A	0.1	178	A	0.1	178	A	0.1	178	A	0.1	178	A	0.1	178	A	0.2	178	C	0.1	232	C	0.1	232	C	0.1	232	C	0.1	232	C	0.1	232	C
43	A	0.1	345	A	0.1	345	A	0.1	345	A	0.3	290	A	0.3	290	A	0.4	290	C	0.3	272	C	0.3	272	C	0.3	272	C	0.2	272	C	0.2	272	C
44	A	0.	183	A	0.	183	A	0.	183	A	0.	183	A	0.	183	A	0.	183	C	0.	152	C	0.	152	C	0.	152	C	0.	152	C	0.	152	C
45	A	0.	170	A	0.1	170	A	0.1	170	A	0.1	170	A	0.1	170	A	0.1	170	C	0.	165	C	0.	165	C	0.	165	C	0.	165	C	0.	165	C
46	A	0.1	251	A	0.1	251	A	0.1	251	A	0.1	251	A	0.1	251	A	0.1	251	C	0.1	212	C	0.1	212	C	0.1	212	C	0.1	212	C	0.1	212	C
47	A	0.2	297	A	0.2	297	A	0.2	297	A	0.3	297	A	0.3	297	A	0.4	297	A	0.4	317	A	0.3	317	A	0.3	317	A	0.2	317	A	0.2	317	A
48	A	0.1	371	A	0.2	371	A	0.2	371	A	0.2	371	A	0.2	371	A	0.5	371	A	1.	330	A	1.	330	A	1.	330	A	0.5	330	A	0.7	330	A
49	C	0.2	458	C	0.2	458	C	0.3	458	C	0.4	458	C	0.4	458	C	0.5	458	C	0.4	470	C	0.4	470	C	0.4	470	C	0.3	470	C	0.3	470	C
50	A	0.2	464	A	0.2	464	A	0.2	464	A	0.3	464	A	0.3	464	A	0.4	464	C	0.1	357	C	0.1	357	C	0.1	357	C	0.1	357	C	0.	357	C
51	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
52	A	0.5	993	A	0.5	993	A	0.5	993	A	0.8	993	A	0.7	993	A	1.1	993	A	0.9	993	A	0.9	993	A	0.9	993	A	0.7	993	A	0.6	993	A
53	A	0.1	210	A	0.1	210	A	0.1	210	A	0.2	210	A	0.2	210	A	0.3	210	A	0.2	182	A	0.3	182	A	0.2	182	A	0.2	182	A	0.2	182	A
54	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.1	65	F	0	0	F	0	0	F	0.8	74	F	0	0	F	0	0	F
55	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	57	A	0.1	57	A	0.1	62	A	0.	62	A	0.	62	A
56	C	0.4	66	C	0.3	66	C	0.3	66	C	0.4	66	C	0.3	66	C	0.4	66	C	0.4	66	A	0.1	153	A	0.1	153	A	0.1	153	A	0.1	153	A

## 2.52 3\_Logarithms\3.2

Table 54: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.2 154	A 0.1 154	A 0.1 154	A 0.3 154	A 0.2 154	A 0.3 154	A 0.8 244	A 0.8 244	A 0.6 249	A 0.4 249	A 0.3 249
2	A 0. 89	A 0. 89	A 0. 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.2 88	A 0.2 88	A 0.2 88	A 0.1 88	A 0.1 88
3	A 0.3 141	A 0.2 141	A 0.2 141	A 0.4 141	A 0.4 141	A 0.5 141	A 0.3 169	A 0.3 169	A 0.3 169	A 0.3 169	A 0.2 169
4	A 0.1 120	A 0.1 120	A 0.2 120	A 0.2 120	A 0.2 120	A 0.3 120	A 0.3 120	A 0.3 120	A 0.3 121	A 0.2 121	A 0.2 121
5	A 0.1 93	A 0.1 93	A 0.1 93	A 0.2 93	A 0.2 93	A 0.3 93	A 0.4 187	A 0.4 187	A 0.6 215	A 0.5 215	A 0.4 215
6	A 0.7 480	A 0.8 480	A 0.8 480	A 1.5 480	A 1.9 480	A 2.6 480	A 2.3 535	A 2.4 535	A 2.2 536	A 1.8 536	A 1.3 536
7	A 0.1 168	A 0.1 168	A 0.1 168	A 0.1 168	A 0.1 168	A 0.2 168	B 1.1 666	B 1.2 666	B 1.2 672	B 0.8 672	B 0.7 672
8	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69
9	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
10	A 0.1 103	A 0.1 103	A 0.1 103	A 0.1 103	A 0.1 103	A 0.2 103	A 0.2 101	A 0.2 101	A 0.2 101	A 0.2 101	A 0.1 101
11	B 0.2 454	B 0.2 454	B 0.2 454	B 0.3 454	B 0.3 454	B 0.4 454	B 0.7 601	B 0.7 601	B 0.7 655	B 0.5 655	B 0.4 655
12	A 0. 152	A 0. 152	A 0. 152	A 0. 152	A 0. 152	A 0.1 152	A 0.5 152	A 0.6 152	A 0.5 152	A 0.4 152	A 0.3 152
13	B 0.1 592	B 0.1 592	B 0.1 592	B 0.2 592	B 0.2 592	B 0.3 592	B 0.3 601	B 0.3 601	B 0.2 655	B 0.1 655	B 0.1 655
14	A 0. 101	A 0. 101	A 0. 101	A 0. 101	A 0. 101	A 0. 101	B 0.2 331	B 0.2 331	B 0.2 335	B 0.1 335	B 0.1 335
15	A 0.2 78	A 0.2 78	A 0.2 78	A 0.4 78	A 0.3 78	A 0.4 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78
16	A 0.6 345	A 0.5 345	A 0.6 345	A 0.4 345	A 0.4 345	A 0.5 345	A 0.4 345	A 0.5 345	A 0.4 345	A 0.3 345	A 0.2 345
17	A 0.1 141	A 0.1 141	A 0.1 141	A 0.2 141	A 0.2 141	A 0.2 141	A 0.3 153	A 0.3 153	A 0.3 164	A 0.2 164	A 0.1 164
18	A 0.3 492	A 0.3 492	A 0.3 492	A 0.5 492	A 0.5 492	A 0.6 492	B 3.7 1496	B 4. 1496	B 1.9 1673	B 1.1 1673	B 0.8 1673
19	A 0.2 487	A 0.2 487	A 0.2 487	A 0.4 487	A 0.4 487	A 0.8 487	B 0.8 920	B 0.8 920	B 0.8 973	B 0.3 973	B 0.2 973
20	B 6.6 3595	B 6.8 3595	B 7. 3595	B 6.1 2107	B 7.1 5537	B 7.3 5537	B 6.8 5537	B 6.8 5537	B 6.8 5537	B 6.7 5537	F 0 0
21	B 0.9 850	B 0.8 850	B 0.9 850	B 0.9 850	B 0.8 850	B 1.2 850	B 1.2 886	B 1.2 886	B 1.1 903	B 0.8 903	B 0.5 903
22	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
23	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
24	A 0. 66	A 0. 66	A 0. 66	A 5. 66	A 5. 66	A 5. 66	A 0. 66	A 0.1 66	A 0. 69	A 0. 69	A 0. 69
25	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
26	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
27	B 0.2 290	B 0.2 290	B 0.2 290	B 0.3 290	B 0.2 290	B 0.3 290	B 0.2 290	B 0.2 290	B 0.2 290	B 0.2 290	B 0.1 290
28	B 3.4 5418	B 3.6 5418	B 3.5 5418	B 20.1 13273	B 19.4 13273	B 22.9 13273	B 8.3 25557	B 8.4 25557	B 8.3 25557	B 8. 25557	F 0 0
29	A 0. 105	A 0. 105	A 0. 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 172	A 0.1 172	A 0.1 172	A 0.1 172	A 0.1 172
30	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.2 45	A 0.2 45	A 0.1 45	A 0.1 45	A 0.1 45

Table 54 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	A	0.1	421	A	0.1	421	A	0.1	421	A	0.3	421	A	0.2	421	A	0.2	421	A	0.2	406	A	0.3	406	A	0.2	406	A	0.2	406	A	0.2	406
32	A	0.1	487	A	0.1	487	A	0.1	487	A	0.2	487	A	0.2	487	A	0.4	487	A	0.2	460	A	0.2	460	A	0.2	460	A	0.1	460	A	0.1	460
33	A	0.2	479	A	0.2	479	A	0.2	479	A	0.3	479	A	0.3	479	A	0.6	479	A	0.4	585	A	0.4	585	A	0.4	585	A	0.2	585	A	0.2	585
34	A	0.8	1240	A	0.8	1240	A	0.9	1240	A	1.6	1240	A	1.4	1240	A	1.9	1240	A	4.8	947	A	4.9	947	A	6.1	923	A	6.3	1279	F	0	0
35	A	0.7	1105	A	0.7	1105	A	0.8	1105	A	4.2	1105	A	5.3	1105	A	6.7	1229	A	2.6	784	A	2.5	784	A	2.7	761	A	2.8	761	A	1.9	761
36	A	0.4	721	A	0.5	721	A	0.5	721	A	0.8	721	A	0.7	721	A	1.3	721	A	7.3	1034	A	7.4	1034	A	7.2	1034	A	6.5	993	A	4.6	993
37	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28
38	A	0.	96	A	0.	96	A	0.	96	A	0.	106	A	0.	106	A	0.	106	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96	A	0.1	96
39	A	0.	135	A	0.	135	A	0.	135	A	0.1	135	A	0.1	135	A	0.1	135	B	0.2	363	B	0.3	363	B	0.3	365	B	0.2	365	B	0.1	365



## 2.53 3\_Logarithms\3.3Logarithmfunctions

Table 55: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
2	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
3	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32
4	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45
5	A 0. 40	A 0. 40	A 0. 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40
6	A 0. 13	A 0. 13	A 0. 13	A 0. 14	A 0. 14	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13
7	A 0. 30	A 0. 30	A 0. 30	A 0.1 30	A 0. 30	A 0.1 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
8	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0.1 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28
9	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.2 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75
10	A 0. 49	A 0. 49	A 0. 49	A 0.1 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49
11	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 48	A 0. 48	A 0. 48	A 0. 48
12	A 0.2 37	A 0.2 37	A 0.2 37	A 0.2 37	A 0.1 37	A 0.2 37	A 0.1 37	A 0.1 37	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47
13	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24
14	A 0. 18	A 0. 18	A 0. 18	A 0. 19	A 0. 19	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
15	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24
16	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10
17	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36
18	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79
19	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46
20	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51
21	A 0. 78	A 0. 78	A 0. 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69
22	A 0. 58	A 0. 58	A 0. 58	A 0.1 58	A 0. 58	A 0.1 58	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59
23	A 0. 92	A 0. 92	A 0. 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0.2 82	A 0.2 82	A 0.2 82	A 0.1 82	A 0.1 82	A 0.1 82
24	A 0. 83	A 0. 83	A 0. 83	A 0.1 83	A 0. 83	A 0.1 83	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73
25	A 0. 78	A 0. 78	A 0. 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 82	A 0.1 82	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80
26	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
27	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39
28	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
29	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
30	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23

Table 55 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
32	A 0.1 98	A 0.1 98	A 0.1 98	A 0.2 98	A 0.2 98	A 0.2 98	A 0.2 98	A 0.2 98	A 0.2 98	A 0.2 98	A 0.1 98	A 0.1 98
33	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48
34	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39
35	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	B 1.4 103	B 1.4 103	B 1.4 103	B 1.1 103	B 0.8 103	B 0.3 103
36	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	B 0.1 89	B 0.1 89	B 0.1 89	B 0.1 89	B 0. 89	B 0. 89
37	B 0.2 259	B 0.2 259	B 0.2 259	B 0.3 252	B 0.3 252	B 0.3 252	B 0.2 259	B 0.2 259	B 0.2 259	B 0.1 259	B 0.1 259	B 0.1 259
38	A 0.1 107	A 0.1 107	A 0.1 107	A 0.1 107	A 0.1 107	A 0.1 107	A 0.1 131	A 0.1 131	A 0.1 131	A 0.1 131	A 0.1 131	A 0.1 131
39	A 0.1 183	A 0.1 183	A 0.1 183	A 0.2 157	A 0.2 157	A 0.3 157	A 0.5 173	A 0.5 173	A 0.4 173	A 0.3 173	A 0.3 173	A 0.2 173
40	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
41	A 0. 48	A 0. 48	A 0. 48	A 0.1 48	A 0. 48	A 0.1 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48
42	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.2 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57
43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47
44	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45
45	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0.1 56	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62
46	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57
47	C 0. 69	C 0. 69	C 0. 69	C 0. 69	C 0. 69	C 0. 69	A 0.1 149	A 0.1 149	A 0.1 149	A 0.1 149	A 0.1 149	A 0.1 149
48	A 0. 147	A 0. 147	A 0. 147	A 0. 147	A 0. 147	A 0.1 147	A 0.1 147	A 0.1 147	A 0. 147	A 0. 147	A 0. 147	A 0. 147
49	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40
50	A 0. 88	A 0. 88	A 0. 88	A 0.1 88	A 0. 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0. 88	A 0. 88	A 0. 88
51	A 0. 90	A 0. 90	A 0. 90	A 0.1 90	A 0. 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 93	A 0.1 93	A 0.1 93	A 0. 93
52	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
53	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61
54	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52
55	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52
56	A 0. 78	A 0. 78	A 0. 78	A 0.1 82	A 0. 82	A 0.1 82	A 0.1 66	A 0.1 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66
57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78
58	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94
59	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45
60	A 0. 115	A 0. 115	A 0. 115	A 0. 80	A 0. 80	A 0. 80	A 0.1 115	A 0.1 115	A 0.1 115	A 0. 115	A 0. 115	A 0. 115
61	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44
62	A 0.1 183	A 0.1 183	A 0.1 183	A 0.2 183	A 0.2 183	A 0.3 183	A 0.2 226	A 0.2 226	A 0.3 227	A 0.2 227	A 0.2 227	A 0.2 227
63	A 0.1 194	A 0.1 194	A 0.1 194	A 0.2 188	A 0.2 188	A 0.3 188	A 0.3 254	A 0.3 254	A 0.3 254	A 0.2 254	A 0.2 254	A 0.2 254
64	A 0.3 230	A 0.1 230	A 0.1 230	A 0.2 232	A 0.2 232	A 0.2 232	C 0.2 361	C 0.2 361	C 0.2 361	C 0.2 361	C 0.1 361	C 0.1 361

Table 55 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
65	A 0.3 282	A 0.1 282	A 0.1 282	A 0.2 268	A 0.2 268	A 0.3 268	C 0.3 417	C 0.3 417	C 0.3 417	C 0.2 417	C 0.2 417	C 0.2 417
66	A 0.2 327	A 0.2 327	A 0.2 327	A 0.2 358	A 0.2 358	A 0.2 358	A 0.6 540	A 0.6 540	A 0.5 540	A 0.3 540	A 0.2 540	A 0.2 540
67	A 0. 165	A 0. 165	A 0. 165	A 0.1 149	A 0.1 149	A 0.1 149	A 0.1 177	A 0.1 177	A 0.1 177	A 0.1 177	A 0.1 177	A 0.1 177
68	A 0. 114	A 0. 114	A 0. 114	A 0. 114	A 0. 114	A 0. 114	A 0. 126	A 0. 126	A 0. 126	A 0. 126	A 0. 126	A 0. 126
69	A 0. 161	A 0. 161	A 0. 161	A 0.1 139	A 0.1 139	A 0.1 139	A 0.1 181	A 0.1 181	A 0.1 181	A 0.1 181	A 0. 181	A 0. 181
70	A 0.1 200	A 0.1 200	A 0.1 200	A 0.1 166	A 0.1 166	A 0.1 166	A 0.1 262	A 0.1 262	A 0.1 262	A 0.1 262	A 0.1 262	A 0.1 262
71	A 0.1 263	A 0.1 263	A 0.1 263	A 0.2 241	A 0.2 241	A 0.3 241	A 0.2 341	A 0.2 341	A 0.2 341	A 0.2 341	A 0.1 341	A 0.1 341
72	C 0.2 404	C 0.2 404	C 0.2 404	C 0.5 375	C 0.4 375	C 0.6 375	C 0.9 528	C 1. 528	C 0.9 528	C 0.6 528	C 0.5 528	C 0.4 528
73	A 0.1 271	A 0.1 271	A 0.1 271	A 0.2 271	A 0.2 271	A 0.3 271	C 0.3 392	C 0.4 392	C 0.3 392	C 0.2 392	C 0.1 392	C 0.1 392
74	A 0.1 327	A 0.1 327	A 0.1 327	A 0.2 320	A 0.2 320	A 0.4 320	C 0.4 472	C 0.4 472	C 0.4 472	C 0.3 472	C 0.2 472	C 0.2 472
75	A 0.2 384	A 0.2 384	A 0.2 384	A 0.3 364	A 0.3 364	A 0.5 364	C 0.4 643	C 0.4 643	C 0.4 643	C 0.3 643	C 0.2 643	C 0.2 643
76	C 0.2 536	C 0.2 536	C 0.2 536	C 0.5 505	C 0.4 505	C 0.6 505	A 1.1 1117	A 1.1 1117	A 1. 1117	A 0.8 1117	A 0.6 1117	A 0.5 1117
77	A 0.1 395	A 0.1 395	A 0.1 395	A 0.1 395	A 0.1 395	A 0.2 395	A 0.5 599	A 0.6 599	A 0.5 599	A 0.2 599	A 0.2 599	A 0.1 599
78	A 0.2 554	A 0.2 554	A 0.2 554	A 0.4 554	A 0.3 554	A 0.4 554	A 0.3 596	A 0.3 596	A 0.3 596	A 0.2 596	A 0.2 596	A 0.1 596
79	A 0.1 223	A 0.1 223	A 0.1 223	A 0.2 223	A 0.2 223	A 0.2 223	A 0.4 532	A 0.4 532	A 0.4 532	A 0.3 532	A 0.3 532	A 0.2 532
80	A 0.1 178	A 0.1 178	A 0.1 178	A 0.2 309	A 0.2 309	A 0.2 309	A 0.1 242	A 0.1 242	A 0.1 242	A 0.1 242	A 0.1 242	A 0.1 242
81	A 0.3 477	A 0.3 477	A 0.3 477	A 0.4 478	A 0.4 478	A 0.5 478	C 1.9 803	C 1.9 803	C 2.6 807	C 0.9 807	C 0.8 807	C 0.7 807
82	A 0.3 571	A 0.3 571	A 0.3 571	A 0.4 571	A 0.4 571	A 0.5 571	C 1.7 1013	C 1.6 1013	C 2. 1023	C 0.9 1023	C 0.7 1023	C 0.6 1023
83	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
84	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
85	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
86	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
87	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
88	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
89	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0.1 61	A 0.1 61	A 0.1 61	A 0. 61	A 0. 61	A 0. 61
90	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48
91	A 0.1 190	A 0.1 190	A 0.1 190	A 0.2 190	A 0.2 190	A 0.3 190	A 0.4 206	A 0.4 206	A 0.4 224	A 0.3 224	A 0.3 224	A 0.2 224
92	A 0.1 122	A 0.1 122	A 0.1 122	A 0.1 122	A 0.1 122	A 0.2 122	A 0.3 137	A 0.4 137	A 0.3 155	A 0.2 155	A 0.2 155	A 0.2 155
93	A 0.1 150	A 0.1 150	A 0.1 150	A 0.2 156	A 0.2 156	A 0.2 156	A 0.1 125	A 0.1 125	A 0.1 125	A 0.1 125	A 0.1 125	A 0. 125
94	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.2 87	A 0.2 87	A 0.1 114	A 0.1 114	A 0.1 114	A 0.1 114
95	A 0.3 132	A 0.2 132	A 0.2 132	A 0.4 132	A 0.4 132	A 0.5 132	A 0.5 144	A 0.6 144	A 0.4 171	A 0.3 171	A 0.2 171	A 0.2 171
96	A 0.3 215	A 0.3 215	A 0.3 215	A 0.6 215	A 0.6 215	A 0.7 215	A 0.8 290	A 0.8 290	A 1.4 290	A 1. 290	A 0.8 290	A 0.8 290
97	A 0.8 663	A 0.7 663	A 0.8 663	A 0.9 663	A 0.8 663	A 1.1 663	A 1.3 908	A 1.5 908	A 1.3 908	A 0.8 908	A 0.6 908	A 0.5 908
98	A 0. 85	A 0. 85	A 0. 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0. 85	A 0. 85

Table 55 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
99	A 0.4 142	A 0.4 142	A 0.4 142	A 0.3 68	A 0.3 68	A 0.4 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68
100	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
101	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37
102	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41
103	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93
104	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
105	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0.1 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
106	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52
107	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76
108	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
109	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51
110	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6	A 0. 6
111	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9
112	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0. 47	A 0. 47	A 0. 47
113	A 0. 88	A 0. 88	A 0. 88	A 0. 88	A 0. 88	A 0.1 88	A 0. 88	A 0. 88	A 0. 88	A 0. 88	A 0. 88	A 0. 88
114	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.2 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50
115	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0.1 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
116	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0. 60	A 0. 60
117	A 0. 38	A 0. 38	A 0. 38	A 0. 37	A 0. 37	A 0.1 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37
118	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13
119	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
120	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
121	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0. 53	A 0. 53
122	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
123	A 0.1 167	A 0.1 167	A 0.1 167	A 0.1 167	A 0.1 167	A 0.1 167	A 0.1 167	A 0.1 167	A 0.1 167	A 0.1 167	A 0.1 167	A 0.1 167
124	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13
125	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42
126	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11
127	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
128	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20
129	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0.1 22	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37
130	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63
131	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
132	B 0. 65	B 0. 65	B 0. 65	B 0. 65	B 0. 65	B 0. 65	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45

Table 55 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	
133	A 0. 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.2 100	A 0.1 150	A 0.1 150	A 0.1 150	A 0.1 150	A 0. 150	A 0. 0.	
134	B 0.5 134	B 0.5 134	B 0.5 134	B 0.7 134	B 0.6 134	B 0.9 134	B 0.9 134	B 0.9 134	B 0.9 134	B 0.8 134	F 0 0	A 0.1	
135	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 19	A 0. 0.
136	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 0.
137	A 0. 17	A 0. 17	A 0. 17	A 0. 19	A 0. 19	A 0. 19	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 0.
138	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 0.
139	F 0 0	F 0 0	F 0 0	C 2.2 2065	C 2.1 2065	C 5.2 2065	C 7.5 2065	C 7.9 2065	C 9.4 2065	C 2.3 2065	F 0 0	F 0 0	

## 2.54 4\_Trig\_functions\4.1aSine\4.1.0(asin)^m(btrg)^n

Table 56: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0.1 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
2	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44
3	A 0. 55	A 0. 55	A 0. 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55
4	A 0. 33	A 0. 33	A 0. 33	A 0.1 33	A 0. 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0. 33
5	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.2 55	A 0.2 55	A 0.2 55	A 0.2 55	A 0.2 55	A 0.2 55	A 0.1 55
6	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.2 44	A 0.2 44	A 0.2 44	A 0.2 44	A 0.1 44	A 0.1 44	A 0.1 44
7	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.2 66	A 0.2 66	A 0.2 66	A 0.2 66	A 0.2 66	A 0.2 66	A 0.1 66
8	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.2 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62
9	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.2 42
10	A 0. 55	A 0. 55	A 0. 55	A 0.1 55	A 0.1 55	A 0.2 55	A 0.2 70	A 0.2 70	A 0.2 70	A 0.2 70	A 0.1 70	A 0.2 70
11	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0.1 55	C 0.1 59	C 0.1 59	C 0.1 59	C 0.1 59	C 0.1 59	C 0.1 59
12	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0.1 55	C 0.1 59	C 0.1 59	C 0.1 59	C 0.1 59	C 0.1 59	C 0.1 59
13	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
14	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
15	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
16	A 0.1 31	A 0.1 31	A 0.1 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
17	B 0.1 77	B 0.1 77	B 0.1 77	B 0. 77	B 0. 77	B 0. 77	B 0. 77	B 0. 77	B 0. 77	B 0. 77	B 0. 77	B 0. 77
18	A 0. 99	A 0. 99	A 0. 99	A 0.1 99	A 0.1 99	A 0.2 99	A 4.2 99	A 4.3 99	A 4.1 99	A 3.8 99	A 3.5 99	A 3.4 99
19	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
20	A 0. 46	A 0. 46	A 0. 46	A 0.1 38	A 0.1 38	A 0.1 38	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46
21	A 0.1 46	A 0.1 46	A 0.1 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46
22	A 0.1 75	A 0.1 75	A 0.1 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75
23	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42
24	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63
25	C 0. 29	C 0. 29	C 0. 29	C 0. 29	C 0. 29	C 0. 29	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
26	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11
27	C 0. 27	C 0. 27	C 0. 27	C 0. 27	C 0. 27	C 0. 27	B 0.6 132	B 0.6 132	B 0.6 132	B 0.5 132	B 0.4 132	B 0.4 132
28	C 0. 27	C 0. 27	C 0. 27	C 0. 27	C 0. 27	C 0. 27	B 6. 219	B 6. 219	B 6. 219	B 6. 219	B 6. 219	B 5.7 132
29	A 0.1 103	A 0.1 103	A 0.1 103	A 0.1 103	A 0.1 103	A 0.3 103	A 0. 103	A 0. 103	A 0. 103	A 0. 103	A 0. 103	A 0. 103
30	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15

Table 56 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	B 0.2 143	B 0.3 143	B 0.3 143	B 0.3 143	B 0.3 143	B 0.5 143	B 0.4 143	B 0.4 143	B 0.4 143	B 0.4 143	B 0.3 120	B 0.3 143
32	B 0.3 205	B 0.4 205	B 0.4 205	B 0.5 205	B 0.4 205	B 0.6 205	B 0.7 205	B 0.7 205	B 0.7 205	B 0.7 205	B 0.6 205	B 0.5 184
33	A 0. 67	A 0. 67	A 0. 67	A 0.2 56	A 0.2 56	A 0.4 56	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67
34	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 136	A 0. 136	A 0. 136	A 0. 136	A 0. 136	A 0. 136
35	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
36	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
37	A 0.1 141	A 0.1 141	A 0.1 141	A 0. 141	A 0. 141	A 0.1 141	A 0. 141	A 0. 141	A 0. 141	A 0. 141	A 0. 141	A 0.1 141
38	C 0. 57	C 0. 57	C 0. 57	C 0.1 57	C 0.1 57	C 0.1 57	A 0.4 75	A 0.4 75	A 0.4 75	A 0.3 75	A 0.3 75	A 0.4 75
39	C 0.1 60	C 0.1 60	C 0.1 60	C 0.1 60	C 0.1 60	C 0.1 60	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50
40	C 0.1 60	C 0.1 60	C 0.1 60	C 0.1 60	C 0.1 60	C 0.1 60	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54
41	C 0.1 59	C 0.1 59	C 0.1 59	C 0.1 59	C 0.1 59	C 0.1 59	A 0.3 66	A 0.3 66	A 0.3 66	A 0.3 66	A 0.3 66	A 0.2 66
42	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.2 48	A 0.2 34	A 0.2 34	A 0.2 34	A 0.2 34	A 0.2 34	A 0.1 37
43	C 0.1 57	C 0.1 57	C 0.1 57	C 0.1 57	C 0.1 57	C 0.2 57	A 0.7 101	A 0.7 101	A 0.7 101	A 0.6 101	A 0.5 101	A 0.7 101
44	C 0. 65	C 0. 65	C 0.1 65	C 0.1 65	C 0.1 65	C 0.1 65	A 0.5 85	A 0.5 85	A 0.5 85	A 0.4 85	A 0.4 85	A 0.5 85
45	C 0.1 65	C 0.1 65	C 0.1 65	C 0.1 65	C 0.1 65	C 0.1 65	A 0.4 83	A 0.4 83	A 0.4 83	A 0.3 83	A 0.3 83	A 0.3 83
46	C 0. 60	C 0. 60	C 0. 60	C 0.1 60	C 0.1 60	C 0.1 60	A 0.1 62	A 0.2 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62
47	C 0. 65	C 0.1 65	C 0.1 65	C 0.1 65	C 0.1 65	C 0.1 65	A 0.2 68	A 0.2 68	A 0.2 68	A 0.3 68	A 0.2 67	A 0.1 67
48	A 0.3 83	A 0.3 83	A 0.3 83	A 0.2 83	A 0.2 83	A 0.2 83	A 0.3 103	A 0.3 103	A 0.3 103	A 0.3 103	A 0.3 103	A 0.2 103
49	A 0.1 51	A 0.1 51	A 0.1 51	A 0. 51	A 0. 51	A 0. 51	A 0.1 73	A 0.1 73	A 0.1 73	A 0. 73	A 0. 73	A 0. 73
50	A 0.2 66	A 0.2 66	A 0.2 66	C 0.1 36	C 0.1 36	C 0.1 36	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89
51	A 0.4 82	A 0.4 82	A 0.4 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.3 82	A 0.3 82	A 0.3 82	A 0.2 82	A 0.2 82	A 0.2 82
52	C 0.4 65	C 0.4 65	C 0.4 65	C 0.3 65	C 0.3 65	C 0.4 65	C 0.5 65	C 0.5 65	C 0.5 65	C 0.4 65	C 0.4 65	C 0.3 65
53	A 0.2 57	A 0.2 57	A 0.2 57	A 0.3 57	A 0.2 57	A 0.3 57	A 0.3 57	A 0.3 57	A 0.3 57	A 0.2 57	A 0.1 52	A 0.1 52
54	C 0.1 70	C 0.1 70	C 0.1 70	C 0.2 70	C 0.2 70	C 0.2 70	C 1.2 103	C 1.2 103	C 1.2 103	C 1.1 103	C 0.7 112	C 0.7 112
55	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.2 40	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43
56	C 0.1 70	C 0.1 70	C 0.1 70	C 0.2 70	C 0.2 70	C 0.2 70	C 0.4 99	C 0.4 99	C 0.4 99	C 0.4 99	C 0.3 99	C 0.3 99
57	C 0.1 67	C 0.1 67	C 0.1 67	C 0.1 67	C 0.1 67	C 0.1 67	C 0.3 82	C 0.3 82	C 0.3 82	C 0.3 82	C 0.3 82	C 0.3 82
58	C 0.1 67	C 0.1 67	C 0.1 67	C 0.1 67	C 0.1 67	C 0.2 67	C 0.2 88	C 0.2 88	C 0.2 88	C 0.2 88	C 0.2 88	C 0.3 88
59	C 0.1 68	C 0.1 68	C 0.1 68	C 0.1 68	C 0.1 68	C 0.1 68	C 0.2 69	C 0.2 69	C 0.2 69	C 0.1 69	C 0.1 69	C 0.1 69
60	A 0. 36	A 0. 36	A 0. 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0. 36
61	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0.1 57	C 0.1 57	C 0.1 57	C 0.1 57	C 0.1 57	C 0.1 57
62	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0.4 93	C 0.4 93	C 0.4 93	C 0.2 69	C 0.3 93	C 0.3 93
63	A 0. 55	A 0. 55	A 0. 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.3 82	A 0.3 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82
64	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 1.1 89	A 1.1 89	A 1. 89	A 0.9 89	A 0.8 89	A 0.7 89

Table 56 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
65	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
66	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.2 85	A 0.3 92	A 0.3 92	A 0.3 92	A 0.2 92	A 0.2 92	A 0.2 92
67	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
68	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0.3 91	A 0.3 91	A 0.3 91	A 0.3 91	A 0.2 91	A 0.2 91
69	A 0. 63	A 0. 63	A 0. 63	A 0.1 63	A 0. 63	A 0.1 63	A 0.2 85	A 0.3 85	A 0.2 85	A 0.2 85	A 0.2 85	A 0.1 85
70	A 0. 75	A 0. 75	A 0. 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79
71	A 0. 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77
72	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79
73	A 0.4 83	A 0.4 83	A 0.4 83	A 0.3 83	A 0.3 83	A 0.4 83	A 0.5 83	A 0.5 83	A 0.5 83	A 0.4 83	A 0.4 83	A 0.3 83
74	A 0.2 68	A 0.2 68	A 0.3 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.2 68	A 0.2 68	A 0.2 68	A 0.1 68	A 0.1 68	A 0.1 68
75	A 0.3 82	A 0.3 82	A 0.4 82	A 0.3 82	A 0.2 82	A 0.3 82	A 0.3 82	A 0.3 82	A 0.3 82	A 0.3 82	A 0.3 82	A 0.2 82
76	A 0.3 76	A 0.4 76	A 0.4 76	A 0.2 76	A 0.2 76	A 0.2 76	A 0.2 76	A 0.2 76	A 0.2 76	A 0.2 76	A 0.2 76	A 0.1 76
77	A 0.3 73	A 0.3 73	A 0.3 73	A 0.4 73	A 0.4 73	A 0.5 73	A 6.3 73	A 0.8 73	A 0.8 73	A 1. 73	C 0.2 54	C 0.2 54
78	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0.1 38	A 0.1 38	A 0. 38	A 0. 38	A 0. 38	A 0.2 38	A 0.2 38
79	A 0.3 42	A 0.3 42	A 0.3 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42
80	A 0.1 18	A 0.1 18	A 0.1 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
81	A 0.3 52	A 0.4 52	A 0.4 52	A 0.2 52	A 0.2 52	A 0.3 52	A 0.3 52	A 0.3 52	A 0.3 52	A 0.3 52	A 0.2 52	A 0.2 52
82	A 0.2 32	A 0.2 32	A 0.2 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32
83	A 0.1 20	A 0.1 20	A 0.1 20	A 0. 20	A 0. 20	A 0.1 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20
84	A 0.6 93	A 0.6 93	A 0.6 93	A 1.3 93	A 1.2 93	A 1.4 93	A 8.4 93	A 1.4 93	A 1.4 93	A 1.7 93	C 0.3 71	C 0.3 71
85	A 0.4 42	A 0.4 42	A 0.4 42	A 0.3 42	A 0.3 42	A 0.4 42	A 0.5 42	A 0.5 42	A 0.4 42	A 0.4 42	A 0.3 42	A 0.3 42
86	A 0.2 32	A 0.3 32	A 0.3 32	A 0.2 32	A 0.2 32	A 0.2 32	A 0.3 32	A 0.3 32	A 0.2 32	A 0.2 32	A 0.2 32	A 0.2 32
87	A 0.3 52	A 0.4 52	A 0.4 52	A 0.2 52	A 0.2 52	A 0.3 52	A 0.3 52	A 0.3 52	A 0.3 52	A 0.3 52	A 0.2 52	A 0.2 52
88	A 0.4 66	A 0.4 66	A 0.4 66	A 0.4 66	A 0.4 66	A 0.5 66	A 0.7 66	A 0.7 66	A 0.7 66	A 0.2 66	A 1.1 73	A 0.9 73
89	A 0.4 79	A 0.4 79	A 0.5 79	A 0.3 79	A 0.3 79	A 0.3 79	A 0.4 79	A 0.4 79	A 0.4 79	A 0.4 79	A 1. 77	A 0.8 77
90	A 0.7 65	A 0.8 65	A 0.8 65	A 0.3 65	A 0.2 65	A 0.3 65	A 0.4 65	A 0.4 65	A 0.3 65	A 0.3 65	A 0.3 65	A 0.2 65
91	C 1.1 60	C 11.2 60	C 11.2 60	C 1.3 60	C 1.1 60	C 1.4 60	C 2.6 75	C 2.5 75	C 2.5 75	C 3.5 75	C 0.1 60	C 0.1 60
92	A 6.6 176	A 1.9 176	A 1.9 176	C 0.5 97	C 0.5 97	C 0.6 97	C 1. 125	C 1. 125	C 1. 125	C 0.9 125	C 0.7 106	C 0.8 106
93	A 6.1 165	A 1.3 165	A 1.4 165	C 0.4 82	C 0.3 82	C 0.4 82	C 0.7 93	C 0.7 93	C 0.7 93	C 0.6 93	C 0.5 93	C 0.4 93
94	A 5.8 151	A 1. 151	A 1. 151	C 0.2 76	C 0.2 76	C 0.3 76	C 0.3 82	C 0.3 82	C 0.3 82	C 0.3 82	C 0.2 82	C 0.2 82
95	A 0.5 45	A 0.5 45	A 0.5 45	A 0.1 45	A 0.1 45	A 0.2 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45
96	C 15.9 103	C 15.7 103	C 15.7 103	C 0.9 103	C 0.9 103	C 1.1 103	C 1.5 103	C 1.5 103	C 1.5 103	C 0.8 103	C 0.6 188	C 0.6 188
97	C 0.6 84	C 0.6 84	C 0.7 84	C 0.6 84	C 0.6 84	C 0.7 84	C 0.9 84	C 0.9 84	C 0.9 84	C 0.8 84	C 0.2 69	C 0.1 69
98	C 5.9 287	C 1.4 287	C 1.3 287	C 1.6 287	C 1.4 287	C 15.8 2940	C 17.4 2940	C 2.3 287	C 2.3 287	C 2.5 287	A 0.2 86	A 0.2 86



Table 56 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
99	A 0.3 47	A 0.3 47	A 0.3 47	A 0.2 47	A 0.2 47	A 0.2 47	A 0.2 47	A 0.2 47	A 0.2 47	A 0.2 47	A 0.2 47	A 0.1 47
100	A 0.1 57	A 0.1 57	A 0.1 57	A 0.2 57	A 0.2 57	A 0.2 57	A 0.2 57	A 0.2 57	A 0.2 57	A 0.2 65	A 1.1 51	A 0.9 51
101	A 0.2 68	A 0.2 68	A 0.2 68	A 0.2 68	A 0.2 68	A 0.2 68	A 0.3 68	A 0.3 68	A 0.3 68	A 0.3 74	A 0.6 68	A 0.5 68
102	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0. 43	A 0. 43	A 0.3 43	A 0.2 43
103	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 62	A 0. 52	A 0. 52
104	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.2 64	A 0.2 64	A 0.2 64	A 0.1 52	A 0.3 64	A 0.2 64
105	A 0.2 52	A 0.2 52	A 0.2 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52
106	A 0.2 70	A 0.2 70	A 0.2 70	A 0.2 70	A 0.2 70	A 0.3 70	A 0.4 70	A 0.4 70	A 0.4 70	A 0.3 68	A 0.5 70	A 0.4 70
107	A 0.1 60	A 0.1 60	A 0.2 60	A 0.2 60	A 0.2 60	A 0.2 60	A 0.3 60	A 0.3 60	A 0.3 60	A 0.1 58	A 0.7 60	A 0.5 60
108	A 7.5 102	A 8.1 102	A 8.2 102	A 10.8 102	A 10.1 102	A 3.5 102	A 4.7 102	A 4.8 102	A 4.5 102	A 3.9 102	A 2.2 81	A 1.9 81

## 2.55 4\_Trig\_functions\4.1aSine\4.1.10(c+dx)^m(a+bsin)^n

Table 57: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 62	A 0.1 62	A 0.1 62	A 0.3 62	A 0.2 62	A 0.3 62	A 0.2 62	A 0.2 62	A 0.2 62	A 0.2 62	A 0.2 62	A 0.1 62
2	A 0.2 66	A 0.2 66	A 0.2 66	A 0.3 66	A 0.3 66	A 0.3 66	A 0.3 66	A 0.3 66	A 0.3 76	A 0.2 76	A 0.2 76	A 0.2 76
3	A 0.4 132	A 0.4 132	A 0.4 132	A 0.7 132	A 0.7 132	A 0.8 132	A 0.8 132	A 0.8 132	A 0.8 132	A 0.5 132	A 0.6 132	A 0.4 132
4	A 0.3 106	A 0.3 106	A 0.3 106	A 0.5 106	A 0.4 106	A 0.5 106	A 0.6 106	A 0.6 106	A 0.6 108	A 0.5 108	A 0.4 108	A 0.4 108
5	A 0.3 75	A 0.3 75	A 0.3 75	A 0.5 75	A 0.4 75	A 0.5 75	A 0.7 75	A 0.7 75	A 0.5 85	A 0.4 85	A 0.4 85	A 0.4 85
6	A 0.6 150	A 0.6 150	A 0.7 150	A 1.1 150	A 1. 150	A 1.3 150	A 1.6 150	A 1.6 150	A 1.6 150	A 1.3 150	A 1.5 150	A 1. 150
7	A 0.2 59	A 0.2 59	A 0.2 59	A 0.2 59	A 0.2 59	A 0.2 59	A 0.3 59	A 0.3 59	A 0.3 59	A 0.2 59	A 0.2 59	A 0.2 59
8	A 0.7 175	A 0.7 175	A 0.8 175	A 1.2 175	A 1.1 175	A 1.5 175	A 2.3 175	A 2.5 175	A 3.2 178	A 1.5 178	A 1.3 178	A 1.2 178
9	B 6.6 486	B 6.6 486	B 6.6 486	B 7. 478	B 7. 478	B 7.3 478	B 6.8 384	B 6.8 384	B 6.8 384	B 6.7 384	B 6.6 384	B 6.5 384
10	A 0.1 52	A 0.2 52	A 0.2 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52
11	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
12	C 0.1 125	C 0. 125	C 0. 125	C 0.1 123	C 0.1 123	C 0.2 123	A 0.5 138	A 0.5 138	A 0.5 138	A 0.5 138	A 0.4 138	A 0.4 138
13	C 0.5 130	C 0.6 130	C 0.6 130	A 0.7 149	A 0.6 149	A 0.8 149	A 0.7 149	A 0.7 149	A 0.7 149	A 0.7 149	A 0.6 149	A 0.5 149
14	C 0. 61	C 0. 61	C 0. 61	C 0. 69	C 0. 69	C 0. 69	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62
15	C 0. 64	C 0. 64	C 0. 64	C 0. 64	C 0. 64	C 0. 64	A 0.1 56	A 0.1 56	A 0.1 56	A 0. 56	A 0. 56	A 0. 56
16	A 0.9 58	A 1. 58	A 1. 58	A 0.7 58	A 0.6 58	A 0.8 58	A 0.6 58	A 0.6 58	A 0.6 58	A 0.6 58	A 0.5 58	A 0.4 58
17	A 0.5 150	A 0.5 150	A 0.5 150	A 0.7 211	A 0.6 211	A 0.8 211	A 1. 211	A 0.9 211	A 0.9 211	A 0.8 211	A 0.7 211	A 1. 211
18	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78
19	A 0.3 116	A 0.2 116	A 0.2 116	A 0.4 116	A 0.3 116	A 0.4 116	A 0.5 116	A 0.4 116	A 0.4 116	A 0.4 116	A 0.3 116	A 0.3 116
20	A 0.2 120	A 0.2 120	A 0.2 120	A 0.3 120	A 0.3 120	A 0.4 120	A 0.4 120	A 0.3 120	A 0.3 120	A 0.3 120	A 0.3 120	A 0.2 120
21	A 0.4 81	A 0.4 81	A 0.4 81	A 0.8 81	A 0.7 81	A 0.9 81	A 0.5 81	A 0.5 81	A 0.4 86	A 0.2 86	A 0.2 86	A 0.2 86
22	A 0.3 54	A 0.3 54	A 0.3 54	A 0.3 54	A 0.3 54	A 0.4 54	A 0.2 54	A 0.2 54	A 0.2 54	A 0.1 54	A 0.1 54	A 0.1 54
23	A 0.4 206	A 0.4 206	A 0.4 206	A 0.7 206	A 0.6 206	A 0.8 206	A 0.9 206	A 0.9 206	A 0.9 206	A 0.7 206	A 0.9 206	F 0 0
24	A 0.8 353	A 0.8 353	A 0.9 353	A 1. 353	A 0.9 353	A 1.3 353	A 1.6 353	A 1.6 353	A 1.6 353	A 1.2 353	A 1.5 353	F 0 0
25	A 0.5 94	A 0.5 94	A 0.6 94	A 0.8 94	A 0.7 94	A 0.9 94	A 1.7 158	A 1.8 158	A 1.4 180	A 1.3 180	A 1.1 180	B 1.1 240
26	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
27	A 1.3 257	A 1.4 257	A 1.5 257	A 2.1 257	A 2. 257	A 2.5 257	B 8.8 719	B 8.9 719	B 8.6 719	B 7.2 719	B 5. 719	B 5.2 719
28	A 1.6 225	A 1.8 225	A 1.7 225	A 1.2 225	A 1.1 225	A 1.4 225	A 1.1 225	A 1.1 225	A 1. 225	A 0.9 279	A 0.9 279	A 0.6 279
29	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
30	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

Table 57 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
32	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.2 43	A 0.2 43	A 0.2 43	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46
33	A 0.6 94	A 0.6 94	A 0.6 94	A 0.9 94	A 0.9 94	A 1. 94	A 1.2 94	A 1.2 94	A 0.8 108	A 0.6 108	A 0.6 108	A 0.5 108
34	A 0.2 134	A 0.2 134	A 0.2 134	A 0.3 134	A 0.3 134	A 0.4 134	A 0.3 134	A 0.3 134	A 0.3 134	A 0.2 134	A 0.2 134	F 0 0
35	A 0.7 236	A 0.8 236	A 0.8 236	A 1.2 236	A 1.1 236	A 2. 236	A 14.8 547	A 13.5 547	A 13.3 547	B 12.7 1194	B 12. 1194	B 10.8 116
36	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

## 2.56 4\_Trig\_functions\4.1aSine\4.1.1.1(a+bsin)^n

Table 58: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 1.8 154	A 1.9 154	A 2. 154	A 0.7 154	A 0.7 154	A 0.9 154	A 0.9 154	A 1. 154	A 0.9 154	A 0.8 154	A 0.6 154	A 0.6 141	A
2	B 1.1 223	B 1.1 223	B 1.1 223	C 2.8 341	C 2.7 341	C 3.4 341	C 4.5 314	C 3.5 341	C 3.4 341	C 3. 341	C 2.4 341	C 2.2 341	C
3	C 0.1 49	C 0.1 49	C 0.2 49	A 0.2 90	A 0.2 90	A 0.2 90	A 0.3 90	A 0.3 87	A 0.3 87	A 0.2 87	A 0.2 87	A 0.2 87	E
4	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0.1 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A
5	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.2 91	A 0.2 91	A 0.2 91	A 0.2 101	A 0.1 101	A 0.1 101	A 0.1 101	A
6	A 0.4 133	A 0.4 133	A 0.5 133	A 0.5 133	A 0.5 133	A 0.7 133	A 0.8 133	A 0.9 133	A 0.8 133	A 0.7 133	A 0.6 133	A 0.5 133	A
7	A 0.2 113	A 0.3 113	A 0.3 113	A 0.3 113	A 0.3 113	A 0.5 113	A 0.6 113	A 0.6 113	A 0.6 113	A 0.4 113	A 0.4 113	A 0.3 113	A
8	A 0.1 133	A 0. 133	A 0. 133	A 0.1 133	A 0.1 133	A 0.7 133	A 0.8 133	A 0.8 133	A 0.8 133	A 0. 133	A 0. 133	A 0. 133	A
9	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0.1 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A
10	A 0.3 133	A 0.4 133	A 0.4 133	A 0.5 133	A 0.4 133	A 0.7 133	A 0.8 133	A 0.8 133	A 0.7 133	A 0.7 133	A 0.5 133	A 0.5 133	A
11	A 0.7 241	A 0.7 241	A 0.8 241	A 1. 241	A 1. 241	A 1.3 241	A 1.6 241	A 1.7 241	A 1.6 241	A 1.5 241	A 1.4 241	A 1.2 241	A
12	A 0.9 198	A 1. 198	A 1. 198	A 1.5 198	A 1.4 198	A 1.6 198	A 2.2 198	A 2.3 198	A 2.7 199	A 2.9 199	A 2.3 199	A 2. 199	A
13	B 1.3 262	B 1.4 262	B 1.4 262	B 2.1 262	B 1.9 262	B 2.4 262	B 3.2 262	B 3.3 262	B 3.2 262	B 2.6 258	B 2.6 262	B 2.1 262	E

## 2.57 4\_Trig\_functions\4.1aSine\4.1.11(ex)^m(a+bx^n)^psin

Table 59: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
1	A 0.1 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.1 82	A
2	A 0.1 65	A 0.1 65	A 0.1 65	A 0.2 65	A 0.1 65	A 0.2 65	A 0.2 65	A 0.2 65	A 0.2 65	A 0.1 65	A 0.1 65	A
3	A 0.3 110	A 0.3 110	A 0.3 110	A 0.4 110	A 0.4 110	A 0.5 110	A 0.5 110	A 0.5 110	A 0.5 110	A 0.4 110	A 0.3 110	A
4	A 0.2 64	A 0.2 64	A 0.2 64	A 0.3 64	A 0.3 64	A 0.3 64	A 0.3 64	A 0.4 64	A 0.3 70	A 0.3 70	A 0.2 70	A
5	A 0.3 95	A 0.3 95	A 0.3 95	A 0.5 95	A 0.4 95	A 0.6 95	A 0.6 95	A 0.6 95	A 0.4 101	A 0.3 101	A 0.3 101	A
6	A 0.3 154	A 0.3 154	A 0.3 154	A 0.6 154	A 0.6 154	A 0.7 154	A 0.7 154	A 0.7 154	A 0.7 154	A 0.5 154	A 0.5 154	A
7	A 0.4 158	A 0.4 158	A 0.4 158	A 0.7 158	A 0.7 158	A 0.9 158	A 0.9 158	A 0.9 158	A 1. 158	A 0.6 158	A 0.6 158	A
8	A 0.4 176	A 0.4 176	A 0.4 176	A 0.7 176	A 0.7 176	A 0.9 176	A 0.9 176	A 0.9 176	A 0.9 176	A 0.6 176	A 0.5 176	A
9	A 1.1 540	A 1.2 540	A 1.2 540	A 2.1 540	C 7.2 2108	C 8.5 2557	C 8.6 2557	C 8.5 2557	C 8.5 2557	C 7. 2108	C 6.2 2108	C
10	A 0.1 54	A 0.2 54	A 0.2 54	A 0.2 54	A 0.1 54	A 0.2 54	A 0.2 54	A 0.2 54	A 0.2 54	A 0.2 54	A 0.1 54	A
11	C 0.5 155	C 0.5 155	C 0.5 155	C 0.3 163	C 0.3 163	C 0.4 163	C 0.3 163	C 0.3 163	C 0.3 163	C 0.2 163	C 0.2 163	C
12	C 1.1 419	C 1.2 419	C 1.2 419	C 1. 650	C 2. 650	C 2.7 650	C 2.8 650	C 2.8 650	C 2.7 650	C 2. 650	C 1.8 650	C
13	C 2.9 330	C 3.2 330	C 2.7 330	C 2.1 647	C 2. 647	C 2.6 647	C 3.9 647	C 3.9 647	C 3.1 647	C 2.6 647	C 2.2 647	C
14	A 0.1 101	A 0.1 101	A 0.2 101	A 0.2 101	A 0.2 101	A 0.3 101	A 0.3 101	A 0.3 101	A 0.3 101	A 0.2 101	A 0.2 101	A
15	A 0.3 138	A 0.3 138	A 0.3 138	A 0.4 138	A 0.4 138	A 0.5 138	A 0.5 138	A 0.5 138	A 0.5 138	A 0.4 138	A 0.3 138	A
16	C 0.1 231	C 0.1 231	C 0.1 231	C 0.6 231	C 0.6 231	C 0.6 231	C 0.2 231	C 0.2 231	A 2.3 479	A 1.6 479	A 1.3 479	A
17	C 5. 196	C 5. 196	C 5. 196	C 0.2 196	C 0.2 196	C 0.4 196	C 0.1 196	C 0.1 196	A 0.9 323	A 0.7 323	A 0.6 323	A
18	C 5. 196	C 5. 196	C 5. 196	C 0.2 196	C 0.2 196	C 0.3 196	C 0.1 196	C 0.1 196	A 0.8 321	A 0.6 321	A 0.5 321	A
19	C 0.1 206	C 0.1 206	C 0.1 206	C 0.5 206	C 0.4 206	C 0.5 206	C 0.2 206	C 0.2 206	A 0.9 397	A 0.6 397	A 0.5 397	A
20	C 0.1 233	C 0.2 233	C 0.2 233	C 0.4 233	C 0.4 233	C 0.6 233	C 0.3 233	C 0.3 233	A 5. 645	A 4.3 645	A 3.7 645	A
21	C 0.2 406	C 0.2 406	C 0.2 406	C 0.3 406	C 0.2 406	C 0.3 406	C 0.4 406	C 0.4 406	B 6.3 1929	A 5.5 1314	A 3.8 1314	A
22	C 0.4 457	C 0.5 457	C 0.5 457	C 0.7 457	C 0.6 457	C 0.8 457	C 0.9 457	C 0.9 457	B 6.5 2004	B 6.4 2004	B 6.4 2004	B
23	C 0.5 2109	C 0.5 2109	C 0.5 2109	C 1.1 2109	B 13.6 2929	B 16.7 2929	B 16.6 2929	B 16.6 2929	B 15.6 2929	B 14. 2929	B 12.5 2929	C

## 2.58 4\_Trig\_functions\4.1aSine\4.1.12(ex)^m(a+bsin(c+dx^n))^p

Table 60: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0.1 42	A 0.1 42	A 0.1 42	A 0. 42	A 0. 42	A 0. 42
2	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41
3	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48
4	A 0.1 104	A 0.2 104	A 0.2 104	A 0.2 104	A 0.2 104	A 0.3 104	A 0.4 104	A 0.4 104	A 0.3 104	A 0.2 104	A 0.2 104	A 0.2 104
5	A 0.2 119	A 0.2 119	A 0.2 119	A 0.2 119	A 0.2 119	A 0.3 119	A 0.4 119	A 0.4 119	A 0.3 119	A 0.2 119	A 0.2 119	A 0.2 119
6	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0. 51	A 0. 51	A 0. 51
7	A 0.1 90	A 0.1 90	A 0.1 90	A 0.2 90	A 0.1 90	A 0.2 90	A 0.2 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90
8	A 0.1 117	A 0.2 117	A 0.2 117	A 0.3 117	A 0.2 117	A 0.3 117	A 0.4 117	A 0.3 117	A 0.3 117	A 0.1 117	A 0.1 117	A 0.1 117
9	A 0.1 75	A 0.1 75	A 0.1 75	A 0.2 75	A 0.2 75	A 0.2 75	A 0.3 75	A 0.3 75	A 0.2 75	A 0.2 75	A 0.2 75	A 0.2 75
10	A 0.1 289	A 0.2 289	A 0.2 289	A 0.2 289	A 0.2 289	A 0.3 289	A 1.6 415	A 1.6 415	A 1.1 415	A 1.2 415	A 0.9 415	A 0.9 415
11	A 0. 188	A 0.1 188	A 0.1 188	A 0.1 188	A 0.1 188	A 0.1 188	B 6. 1021	B 6. 1021	B 3.3 927	B 3.6 927	B 3.3 927	B 3.3 927
12	A 1.5 513	A 1.6 513	A 1.7 513	A 2.4 513	A 2.2 513	A 3.1 513	A 10.7 1278	A 10.3 1278	A 7.9 1263	A 9.2 1278	A 6.6 1263	A 6.6 1263
13	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
14	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
15	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48
16	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.2 108	A 0.2 108	A 0.2 108	A 0.2 108	A 0.2 108	A 0.2 108	A 0.2 108
17	A 0.3 143	A 0.3 143	A 0.3 143	A 0.4 143	A 0.4 143	A 0.5 143	A 0.6 143	A 0.7 143	A 1.3 155	A 1.3 155	A 1.1 155	A 1.1 155
18	A 0.6 228	A 0.6 228	A 0.7 228	A 0.3 281	A 0.3 281	A 0.4 281	A 0.6 281	A 0.5 281	A 0.4 281	A 0.5 281	A 0.4 281	A 0.4 281
19	A 1.7 294	A 1.9 294	A 1.9 294	A 2.7 294	A 2.5 294	A 4.3 294	A 6.2 294	A 6.2 448	A 2.7 312	A 2.9 312	A 2.3 312	A 2.3 312
20	A 0.1 188	A 0.1 188	A 0.1 188	A 0.2 188	A 0.2 188	A 0.2 188	B 6. 1021	B 6. 1021	B 3.8 927	B 3.7 927	B 3.2 927	B 3.2 927
21	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
22	A 1.4 373	A 1.6 373	A 1.6 373	A 13.1 373	A 12.6 373	A 16.5 373	A 21.9 451	A 23.7 451	A 16.2 377	A 16.5 377	A 17.1 403	A 17.1 403
23	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0.1 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
24	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.2 41	A 0.2 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41
25	A 0. 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32
26	A 0. 25	A 0. 25	A 0. 25	A 0.1 25	A 0.1 25	A 0.1 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
27	A 0. 23	A 0. 23	A 0. 23	A 0.1 23	A 0. 23	A 0.1 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
28	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95
29	A 0.1 118	A 0.1 118	A 0.1 118	A 0.2 118	A 0.2 118	A 0.3 118	A 0.3 118	A 0.3 118	A 0.3 118	A 0.3 118	A 0.2 118	A 0.2 118
30	A 0. 29	A 0.1 29	A 0.1 29	A 0.1 29	A 0.1 29	A 0.1 29	A 0.1 29	A 0.1 29	A 0.1 29	A 0. 29	A 0. 29	A 0. 29

Table 60 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cp
31	A 0.2 141	A 0.2 141	A 0.2 141	A 0.4 141	A 0.3 141	A 0.4 141	A 0.4 141	A 0.4 141	A 0.4 141	A 0.3 141	A 0.3 141	A 0
32	A 0.6 173	A 0.7 173	A 0.7 173	A 1.1 173	A 1. 173	A 1.2 173	A 1.6 173	A 1.6 173	A 1.5 177	A 1.5 177	A 1.3 177	A 1
33	A 0.2 66	A 0.2 66	A 0.2 66	A 0.2 66	A 0.2 66	A 0.2 66	A 0.3 66	A 0.3 66	A 0.3 66	A 0.1 66	A 0.1 66	A 0
34	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0
35	A 3.5 440	A 6.4 440	A 6.4 440	A 0.9 440	A 0.8 440	A 1. 440	A 1. 440	A 1. 440	A 0.9 440	A 1.4 440	A 1.3 440	A 1
36	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
37	A 10.6 300	A 10.9 300	A 10.9 300	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
38	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
39	A 1.1 138	A 1.2 138	A 1.2 138	A 1.9 138	A 1.8 138	A 2.3 138	A 2.1 138	A 2.2 138	A 1.9 138	A 1.8 138	F 0 0	F 0
40	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
41	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
42	A 1.7 256	A 1.7 256	A 1.7 256	A 3.1 256	A 2.5 256	A 3.4 256	A 3.6 256	A 3.7 256	A 3.1 256	A 2.9 256	F 0 0	F 0
43	C 1. 180	C 0.9 180	C 0.9 180	C 1.3 180	C 1.1 180	C 1.5 180	C 1.3 180	C 1.3 180	C 10. 586	C 8.7 586	F 0 0	F 0
44	A 0.7 213	A 0.7 213	A 0.7 213	A 1. 213	A 0.9 213	A 1.1 213	A 1.3 213	A 1.3 213	A 1.1 213	A 1. 213	A 0.8 213	A 0
45	A 0.1 114	A 0.1 114	A 0.1 114	A 0.2 114	A 0.2 114	A 0.2 114	A 0.2 114	A 0.2 114	A 0.2 114	A 0.2 114	A 0.2 114	A 0
46	C 2.9 929	C 3. 929	C 3. 929	C 5.5 929	C 4.5 929	C 6.6 929	C 7.9 929	C 8.3 929	C 6.4 929	C 9.7 929	F 0 0	F 0
47	A 0.1 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0.2 133	A 0.2 133	A 0.2 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0
48	C 1.9 613	C 1.9 613	C 2. 613	C 3.5 613	C 3. 613	C 4.3 613	C 4.6 613	C 4.5 613	C 3.4 639	C 3.4 639	F 0 0	F 0
49	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
50	A 0.5 226	A 0.5 226	A 0.5 226	A 0.7 226	A 0.6 226	A 0.7 226	A 0.9 226	A 0.9 226	A 0.8 226	A 0.9 226	A 0.7 226	A 0
51	A 0.3 111	A 0.3 111	A 0.3 111	A 0.3 111	A 0.3 111	A 0.4 111	A 0.4 111	A 0.4 111	A 0.4 111	A 0.4 111	A 0.3 111	A 0
52	A 0.6 175	A 0.6 175	A 0.6 175	A 0.9 175	A 0.7 175	A 2.3 175	A 1.3 175	A 1.4 175	A 1.2 175	A 1. 175	A 0.8 175	A 0
53	A 0.4 160	A 0.4 160	A 0.4 160	A 0.6 160	A 0.5 160	A 0.7 160	A 0.8 160	A 0.7 160	A 0.6 160	A 0.6 160	A 0.5 160	A 0
54	A 0.3 90	A 0.3 90	A 0.3 90	A 0.3 90	A 0.2 90	A 0.8 90	A 0.2 90	A 0.2 90	A 0.2 90	A 0.2 90	A 0.2 90	A 0
55	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
56	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
57	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
58	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
59	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
60	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
61	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
62	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
63	A 0.1 83	A 0.1 83	A 0.2 83	A 0.2 83	A 0.2 83	A 0.2 83	A 0.3 83	A 0.3 83	A 0.2 83	A 0.2 83	A 0.2 83	A 0
64	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0

Table 60 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cp
65	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
66	A 0.2 30	A 0.2 30	A 0.2 30	A 0.2 30	A 0.2 30	A 0.2 30	A 0.2 30	A 0.2 30	A 0.2 30	A 0.2 30	A 0.1 41	A 0
67	A 0.2 69	A 0.2 69	A 0.2 69	A 0.2 69	A 0.2 69	A 0.2 69	A 0.2 69	A 0.2 69	A 0.2 69	A 0.1 69	A 0.1 69	A 0
68	A 0.3 129	A 0.3 129	A 0.3 129	A 0.3 129	A 0.2 129	A 0.3 129	A 0.3 129	A 0.3 129	A 0.3 129	A 0.3 129	A 0.2 129	A 0
69	A 0.2 114	A 0.2 114	A 0.2 114	A 0.2 114	A 0.2 114	A 0.2 114	A 0.3 114	A 0.3 114	A 0.2 114	A 0.2 114	A 0.2 114	A 0
70	A 0.5 161	A 0.4 161	A 0.5 161	A 0.6 161	A 0.5 161	A 0.8 161	A 0.9 161	A 0.7 161	A 0.6 161	A 0.6 161	A 0.5 161	A 0
71	A 0.3 125	A 0.3 125	A 0.3 125	A 0.4 125	A 0.3 125	A 0.4 125	A 0.6 125	A 0.4 125	A 0.4 125	A 0.4 125	A 0.3 125	A 0
72	A 0.3 129	A 0.3 129	A 0.3 129	A 0.4 129	A 0.4 129	A 0.5 129	A 0.6 129	A 0.5 129	A 0.4 129	A 0.4 129	A 0.3 129	A 0



## 2.59 4\_Trig\_functions\4.1aSine\4.1.1.2(gcos)^p(a+bsin)^m

Table 61: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 74	A 0. 74	A 0. 74	A 0.1 74	A 0. 74	A 0.1 74	A 0.1 79	A 0.1 79	A 0.1 79	A 0. 79	A 0.
2	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0.1 44	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0.
3	A 0.9 171	A 1. 171	A 1. 171	A 1.8 171	A 1.6 171	A 1.9 171	A 0.5 86	A 0.4 86	A 0.4 86	A 0.4 86	A 0.4
4	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0.2 58	A 0.2 58	A 0.2 58	A 0.1 58	A 0.1
5	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0.1 55	A 0.4 90	A 0.4 90	A 0.3 90	A 0.3 90	A 0.3
6	A 0. 59	A 0. 59	A 0. 59	A 0.1 59	A 0.1 59	A 0.1 59	B 0.2 92	B 0.2 92	B 0.2 92	B 0.1 92	B 0.1
7	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0.3 60	A 0.3 60	A 0.3 60	A 0.2 60	A 0.2
8	A 0.3 58	A 0.3 58	A 0.3 58	A 0.5 58	A 0.4 58	A 0.5 58	B 4.7 139	B 4.8 139	B 3.7 139	B 2.9 139	B 2.7
9	A 0.6 43	A 0.7 43	A 0.7 43	A 1.3 43	A 1. 43	A 1.4 43	B 2.6 109	B 2.6 109	B 2.3 109	B 1.8 109	B 1.7
10	A 0.5 141	A 0.5 141	A 0.5 141	A 0.9 141	A 0.8 141	A 1.1 141	A 0.2 66	A 0.2 66	A 0.2 66	A 0.2 66	A 0.1
11	B 0.2 119	B 0.2 119	B 0.2 119	B 0.4 119	B 0.3 119	B 0.3 119	A 0.2 44	A 0.2 44	A 0.1 44	A 0.1 44	A 0.1
12	A 0. 18	A 0. 18	A 0. 18	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0. 18	A 0.
13	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	B 0.2 139	B 0.2 139	B 0.1 139	B 0.1 139	B 0.1
14	A 0. 78	A 0. 78	A 0. 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.5 125	A 0.5 125	A 0.4 125	A 0.3 125	A 0.3
15	A 0.1 44	A 0.1 44	A 0.1 44	A 0.2 44	A 0.2 44	A 0.2 44	B 0.5 48	B 0.5 48	B 0.4 48	B 0.4 48	B 0.4
16	A 0. 20	A 0. 20	A 0. 20	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0. 20	A 0.
17	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0.6 103	A 0.6 103	A 0.5 103	A 0.4 103	A 0.4
18	A 1.5 195	A 1.8 195	A 1.7 195	A 3. 195	A 2.6 195	A 4.3 195	A 3.4 442	A 3.6 442	A 3.3 442	A 3.1 442	A 2.5
19	A 0.3 69	A 0.4 69	A 0.4 69	A 4.4 99	A 3.9 99	A 4.8 99	B 6.1 995	B 6.1 995	A 6. 99	A 5.5 99	A 3.6
20	A 0.2 59	A 0.2 59	A 0.2 59	A 0.8 89	A 0.8 89	A 0.9 89	A 1.2 89	A 1.2 89	A 1.1 89	A 1.1 89	A 0.9
21	C 0.2 54	C 0.3 54	C 0.3 54	C 0.5 302	C 0.5 302	C 0.7 302	C 0.7 302	C 0.7 302	C 0.6 302	C 0.6 302	C 0.5
22	A 0.4 79	A 0.4 79	A 0.4 79	A 0.7 79	A 0.6 79	A 0.8 79	B 6.1 865	B 6.1 865	B 6.1 865	B 6.1 865	B 6.1
23	A 0.1 59	A 0.1 59	A 0.1 59	A 0.2 59	A 0.1 59	A 0.2 59	A 0.9 90	A 0.9 90	A 0.8 90	A 0.8 90	A 0.7
24	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 60	A 0.1 60	A 0.1 60	C 0.2 98	C 0.2 98	C 0.2 98	C 0.2 98	C 0.2
25	C 0.1 51	C 0.1 51	C 0.1 51	C 0.4 130	C 0.4 130	C 0.5 130	C 0.4 130	C 0.4 130	C 0.4 130	C 0.4 130	C 0.3
26	A 0.2 69	A 0.2 69	A 0.2 69	A 0.3 69	A 0.3 69	A 0.4 69	A 3. 102	A 3.2 102	A 2.9 102	A 2.9 102	A 2.5
27	A 0.2 75	A 0.3 75	A 0.3 75	A 0.4 75	A 0.4 75	A 0.5 75	C 0.6 138	C 0.5 138	C 0.4 138	C 0.4 138	C 0.3
28	A 0.2 92	A 0.2 92	A 0.2 92	A 0.3 92	A 0.3 92	A 0.3 92	B 6.1 865	B 6.1 865	B 6.1 865	B 6.1 865	B 6.1
29	C 0.1 42	C 0.1 42	C 0.1 42	C 0.1 42	C 0.1 42	C 0.1 42	C 1.1 159	C 1.1 159	C 0.9 159	C 0.8 159	C 0.7
30	A 0.2 42	A 0.2 42	A 0.2 42	A 5.3 82	A 5.3 82	A 5.4 82	A 0.4 82	A 0.4 82	A 0.4 82	A 0.3 82	A 0.3

Table 61 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	A	0.3	120	A	0.4	120	A	0.4	120	A	0.6	120	A	0.5	120	A	0.7	120	C	1.6	205	C	1.7	205	C	1.5	205	C	1.4	205	C	1.2	
32	A	0.1	34	A	0.1	34	A	0.1	34	A	0.1	34	A	0.1	34	A	0.1	34	A	0.2	54	A	0.2	54	A	0.2	54	A	0.2	54	A	0.1	
33	C	0.	39	C	0.	39	C	0.	39	C	0.1	39	C	0.1	39	C	0.1	39	C	0.1	76	C	0.2	76	C	0.1	76	C	0.1	76	C	0.1	
34	C	0.2	60	C	0.2	60	C	0.2	60	C	0.3	224	C	0.3	224	C	0.4	224	C	0.4	224	C	0.4	224	C	0.3	224	C	0.3	224	C	0.3	
35	A	0.1	42	A	0.1	42	A	0.1	42	A	0.1	42	A	0.1	42	A	0.2	42	B	1.2	69	B	1.3	69	B	1.1	69	B	1.1	69	B	1.	
36	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.1	24	A	0.1	44	A	0.1	44	A	0.1	44	A	0.1	24	A	0.	
37	C	0.2	64	C	0.3	64	C	0.3	64	A	0.6	98	A	0.6	98	A	0.8	98	A	0.9	98	A	0.9	98	A	0.8	98	A	0.8	98	A	0.7	
38	C	0.2	64	C	0.2	64	C	0.2	64	C	2.7	264	C	2.7	264	C	3.5	264	C	4.7	264	C	4.4	264	C	3.3	309	C	3.1	309	C	5.7	
39	C	0.1	64	C	0.2	64	C	0.2	64	A	0.4	75	A	0.4	75	A	0.5	75	A	0.5	75	A	0.6	75	A	0.5	75	A	0.4	75	A	0.4	
40	C	0.3	64	C	0.4	64	C	0.4	64	A	22.1	86	A	21.	86	A	25.2	86	A	39.4	86	A	35.9	86	A	25.4	90	A	22.2	90	A	24.6	
41	C	0.4	64	C	0.4	64	C	0.5	64	C	1.3	144	C	1.2	144	C	1.5	144	C	6.4	160	C	5.6	160	C	4.2	160	C	3.8	160	C	6.9	
42	C	0.	66	C	0.	66	C	0.	66	C	0.1	66	C	0.1	66	C	0.1	66	A	0.5	76	A	0.5	76	A	0.4	76	A	0.4	76	A	0.4	
43	C	0.	66	C	0.	66	C	0.	66	C	0.	66	C	0.	66	C	0.1	66	A	1.	86	A	1.	86	A	0.9	86	A	0.8	86	A	0.8	
44	C	0.	64	C	0.	64	C	0.	64	C	0.1	64	C	0.	64	C	0.1	64	A	1.9	135	A	1.9	135	A	1.8	135	A	1.6	135	A	1.4	
45	C	0.	66	C	0.	66	C	0.	66	C	0.1	66	C	0.1	66	C	0.1	66	A	1.7	101	A	1.8	101	A	1.1	155	A	1.1	155	A	0.9	
46	C	0.	66	C	0.	66	C	0.	66	C	0.1	66	C	0.1	66	C	0.1	66	A	1.5	96	A	1.5	96	A	1.3	96	A	1.2	96	A	1.1	
47	C	0.	64	C	0.	64	C	0.	64	C	0.1	64	C	0.	64	C	0.1	64	A	4.2	84	A	4.4	84	A	4.1	84	A	3.8	84	A	3.6	
48	C	0.	64	C	0.	64	C	0.	64	C	0.1	64	C	0.1	64	C	0.1	64	A	5.	151	A	5.	151	A	3.7	151	A	3.4	151	A	2.9	
49	C	0.	66	C	0.	66	C	0.	66	C	0.1	66	C	0.1	66	C	0.1	66	A	1.7	110	A	1.7	110	A	1.5	111	A	1.5	111	A	1.2	
50	C	0.	66	C	0.	66	C	0.	66	C	0.1	66	C	0.1	66	C	0.1	66	A	0.6	158	A	0.6	158	A	0.5	158	A	0.5	158	A	0.5	
51	C	0.	66	C	0.1	66	C	0.1	66	C	0.1	66	C	0.1	66	C	0.1	66	A	1.5	68	A	1.5	68	A	1.4	68	A	1.3	68	A	1.	
52	C	0.2	66	C	0.2	66	C	0.3	66	C	0.4	66	C	0.4	66	C	0.5	66	A	6.3	219	A	6.3	219	A	6.2	133	A	5.7	133	A	4.8	
53	C	0.	66	C	0.	66	C	0.	66	C	0.1	66	C	0.	66	C	0.1	66	A	2.2	203	A	2.1	203	A	1.8	203	A	1.8	203	A	1.5	
54	C	0.	66	C	0.	66	C	0.	66	C	0.	66	C	0.	66	C	0.1	66	B	57.7	1263	B	57.9	1263	B	59.7	1263	B	63.9	1263	B	57.3	
55	A	0.2	46	A	0.2	46	A	0.2	46	A	0.3	46	A	0.2	46	A	0.3	46	A	0.3	46	A	0.4	46	A	0.3	46	A	0.3	46	A	0.3	
56	C	0.1	78	C	0.1	78	C	0.1	78	C	0.2	78	C	0.1	78	C	0.2	78	C	23.8	2810	C	25.7	7865	C	25.6	7865	C	25.	4161	C	20.5	
57	C	0.1	75	C	0.1	75	C	0.1	75	C	0.1	75	C	0.1	75	C	0.1	75	C	23.8	2750	C	25.8	7797	C	25.5	7797	C	23.7	2320	C	16.9	
58	A	0.1	36	A	0.1	36	A	0.1	36	A	0.1	36	A	0.1	36	A	0.1	36	A	0.2	36	A	0.2	36	A	0.2	36	A	0.2	36	A	0.1	
59	C	0.1	76	C	0.1	76	C	0.1	76	C	0.1	76	C	0.1	76	C	0.1	76	C	23.8	2782	C	25.8	7837	C	25.5	7837	C	21.8	2352	C	16.9	
60	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.2	56	A	0.3	56	A	0.3	56	A	0.3	56	A	0.2	56	A	0.2	
61	C	0.1	80	C	0.1	80	C	0.1	80	C	0.2	80	C	0.1	80	C	0.2	80	C	23.7	2726	C	25.9	7774	C	25.6	7774	C	24.8	4072	C	18.8	
62	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.2	59	A	0.2	46	A	0.2	46	A	0.2	46	A	0.1	46	A	0.1	
63	C	0.1	80	C	0.1	80	C	0.1	80	C	0.1	80	C	0.1	80	C	0.2	80	C	23.7	2766	C	25.9	7843	C	23.5	7051	C	21.6	2359	C	16.7	
64	A	0.2	76	A	0.2	76	A	0.2	76	A	0.4	76	A	0.3	76	A	0.3	76	A	1.2	76	A	1.3	76	A	1.2	76	A	1.1	76	A	0.9	

Table 61 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
65	A	0.1	77	A	0.1	77	A	0.1	77	A	0.2	77	A	0.1	77	A	0.2	77	A	3.5	144	A	3.6	144	A	3.2	144	A	3.4	144	A	2.7	
66	A	0.1	94	A	0.1	94	A	0.1	94	A	0.2	94	A	0.2	94	A	0.2	94	F	0	0	F	0	0	F	0	0	C	25.6	975	C	12.3	
67	A	0.1	94	A	0.1	94	A	0.1	94	A	0.2	94	A	0.2	94	A	0.2	94	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
68	A	0.1	94	A	0.1	94	A	0.1	94	A	0.2	94	A	0.2	94	A	0.2	94	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
69	A	0.1	94	A	0.1	94	A	0.1	94	A	0.2	94	A	0.2	94	A	0.3	94	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
70	A	0.2	102	A	0.2	102	A	0.2	102	A	0.3	102	A	0.2	102	A	0.3	102	C	11.	629	C	11.3	629	C	11.1	629	C	13.8	629	C	7.9	
71	A	0.1	102	A	0.1	102	A	0.1	102	A	0.2	102	A	0.2	102	A	0.2	102	C	7.8	504	C	7.9	504	C	7.2	504	C	7.2	504	C	3.2	
72	A	0.1	101	A	0.1	101	A	0.1	101	A	0.2	101	A	0.2	101	A	0.2	101	C	2.8	378	C	2.8	378	C	2.4	378	C	3.1	378	C	3.6	
73	A	0.1	97	A	0.1	97	A	0.1	97	A	0.1	97	A	0.1	97	A	0.1	97	A	1.4	110	A	1.4	110	A	1.3	110	A	1.2	110	A	1.2	
74	A	0.1	112	A	0.1	112	A	0.1	112	A	0.2	112	A	0.2	112	A	0.2	112	A	1.1	109	A	1.1	103	A	1.	103	A	1.	103	C	4.2	
75	A	0.4	89	A	0.4	89	A	0.5	89	A	0.7	89	A	0.7	89	A	0.8	89	C	6.1	796	C	6.1	796	C	6.1	796	C	6.1	796	C	6.1	
76	A	0.2	68	A	0.2	68	A	0.2	68	A	0.3	68	A	0.3	68	A	0.5	68	A	2.4	100	A	2.5	100	A	2.3	100	A	1.9	100	A	1.5	
77	B	0.2	111	B	0.2	111	B	0.2	111	B	0.4	111	B	0.3	111	B	0.5	111	C	74.8	27244	C	67.8	11742	C	26.3	11742	C	28.5	11742	C	26.3	
78	A	0.1	73	A	0.1	73	A	0.1	73	C	16.3	3917	C	25.4	5807	C	31.3	12061	C	26.5	12061	C	15.2	1672	C	14.9	1672	C	17.5	1672	C	13.8	
79	A	0.	34	A	0.	34	A	0.	34	A	0.1	34	A	0.1	34	A	0.1	34	A	0.1	34	A	0.1	34	A	0.1	34	A	0.1	34	A	0.1	
80	A	0.7	43	A	0.7	43	A	0.8	43	A	0.2	43	A	0.1	43	A	0.2	43	A	0.1	43	A	0.2	43	A	0.1	43	A	0.1	43	A	0.1	
81	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	0.1	90	A	1.	114	A	1.	108	A	0.9	108	A	0.8	108	A	0.3	
82	A	0.2	87	A	0.2	87	A	0.2	87	A	0.2	87	A	0.2	87	A	0.3	87	B	3.2	186	B	3.6	178	B	3.1	178	B	2.9	178	B	2.8	
83	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.2	56	A	0.2	93	A	0.2	93	A	0.1	93	A	0.1	93	A	0.1	
84	A	0.	54	A	0.	54	A	0.	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	
85	A	0.9	166	A	1.	166	A	1.	166	A	1.5	166	A	1.3	166	A	1.7	166	B	3.2	219	B	3.4	219	B	3.	219	B	2.8	219	B	2.7	
86	A	0.1	56	A	0.1	56	A	0.1	56	A	0.2	56	A	0.2	56	A	0.2	56	A	0.2	119	A	0.2	119	A	0.2	119	A	0.2	119	A	0.2	
87	A	0.9	176	A	0.9	176	A	0.9	176	A	1.5	176	A	1.3	176	A	1.9	176	A	0.5	143	A	0.5	143	A	0.5	143	A	0.5	143	A	0.5	
88	A	1.6	245	A	1.9	245	A	1.9	245	A	1.	245	A	0.9	245	A	1.3	245	A	1.4	245	A	1.6	245	A	1.3	245	A	1.1	245	A	1.	
89	B	0.2	137	B	0.2	137	B	0.2	137	B	0.4	137	B	0.3	137	B	0.5	137	A	0.2	22	A	0.3	22	A	0.2	22	B	0.7	333	C	6.2	
90	A	2.	457	A	2.1	457	A	2.1	457	A	1.1	457	A	1.	457	A	2.4	457	A	2.4	457	A	2.9	457	A	1.7	457	A	0.9	457	C	6.1	
91	B	5.	507	B	5.4	507	B	5.5	507	B	6.3	2827	B	6.3	2843	B	6.3	2843	A	0.7	216	A	0.8	216	A	0.7	216	A	0.6	216	A	0.6	
92	B	0.8	361	B	0.8	361	B	0.8	361	B	1.2	361	B	1.7	398	B	2.3	398	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	
93	A	2.	370	A	2.2	370	A	2.2	370	A	2.7	370	A	2.4	370	A	3.5	370	A	4.3	370	A	4.6	370	A	3.8	371	A	4.7	371	A	2.9	
94	A	0.3	235	A	0.3	235	A	0.3	235	A	0.5	235	A	0.5	235	A	0.6	235	A	2.4	165	A	2.5	165	A	2.2	165	A	1.8	165	A	1.8	
95	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.2	52	A	0.2	52	A	0.2	52	A	0.2	52	A	0.2	
96	A	0.4	282	A	0.4	282	A	0.4	282	A	0.6	282	A	0.6	282	A	1.1	282	A	6.1	198	A	6.1	198	A	6.1	198	A	3.8	165	A	3.7	
97	A	2.	388	A	2.1	388	A	2.2	388	A	3.2	388	A	2.8	388	A	5.1	388	A	5.7	328	A	6.2	328	A	4.1	328	A	4.1	328	A	3.3	
98	A	0.1	22	A	0.1	22	A	0.1	22	A	0.1	22	A	0.1	22	A	0.1	22	A	0.1	22	A	0.1	22	A	0.1	22	A	0.1	22	A	0.1	

Table 61 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8					
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size			
99	A	6.4	770	A	6.5	770	A	6.5	770	A	6.7	770	A	6.7	770	A	7.1	770	C	6.9	1237	C	6.9	1237	C	6.9	1237	A	6.8	1032	C	6.8	3			
100	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	58	A	0.2	58	A	1.8	131	A	1.9	131	A	1.7	136	A	1.6	136	A	1.5				
101	A	0.	74	A	0.	74	A	0.	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	16.8				
102	A	2.1	270	A	2.3	270	A	2.3	270	A	3.6	270	A	3.2	270	A	4.4	270	A	6.1	316	A	6.1	316	A	5.5	270	A	4.6	270	A	28.7				
103	A	0.7	222	A	0.7	222	A	0.8	222	A	1.1	222	A	1.	222	A	1.2	222	A	1.6	222	A	1.6	222	A	1.5	222	A	1.4	222	A	25.8				
104	A	0.4	113	A	0.4	113	A	0.4	113	A	0.6	113	A	0.6	113	A	10.2	279	A	2.1	279	A	2.2	279	A	2.4	302	A	2.2	302	B	2.2				
105	A	0.5	177	A	0.5	177	A	0.5	177	A	0.7	177	A	0.6	177	A	0.8	177	A	1.1	177	A	1.1	177	A	1.	177	A	0.9	177	A	25.1				
106	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.1	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	
107	C	0.7	221	C	0.8	221	C	0.8	221	C	1.3	221	C	1.1	221	C	1.4	221	A	2.	171	A	2.1	171	A	1.4	190	A	2.1	190	A	1.3				
108	A	2.	348	A	2.2	348	A	2.2	348	A	3.3	348	A	3.	348	A	3.8	348	A	5.7	348	A	5.7	348	A	4.9	348	A	4.6	348	A	4.2				
109	C	0.	94	C	0.1	94	C	0.1	94	C	0.1	94	C	0.1	94	C	0.1	94	A	0.9	123	A	0.9	123	A	0.9	123	A	1.1	123	A	0.8				
110	C	2.	296	C	2.1	296	C	2.2	296	C	3.5	296	C	3.3	296	C	3.9	296	A	6.9	421	A	6.9	421	A	6.8	421	A	4.5	387	A	3.9				
111	A	0.3	55	A	0.4	55	A	0.4	55	A	0.2	55	A	0.1	55	A	0.2	55	A	0.2	55	A	0.2	55	A	0.2	55	A	0.2	55	A	0.2	55	A	0.2	
112	A	0.4	70	A	0.4	70	A	0.4	70	A	0.4	70	A	0.3	70	A	0.4	70	A	0.5	70	A	0.5	70	A	0.4	70	A	0.4	70	A	0.4	70	A	0.2	
113	A	0.9	113	A	1.	113	A	1.	113	A	1.	113	A	0.9	113	A	1.1	113	A	1.4	113	A	1.4	113	A	1.3	113	A	1.2	113	A	1.1				
114	A	1.9	209	A	2.5	209	A	2.6	209	A	2.2	209	A	2.	209	A	2.9	209	A	4.	209	A	4.1	209	A	3.4	209	A	2.8	209	A	3.				
115	A	1.3	137	A	1.6	137	A	1.6	137	A	1.1	137	A	1.	137	A	1.3	137	A	1.6	137	A	1.8	137	A	1.5	137	A	1.4	137	A	1.3				
116	C	76.6	2035	C	53.3	2035	C	53.3	2035	C	28.3	2035	C	27.7	2035	C	35.	2235	C	36.8	2235	C	21.5	1500	C	21.3	1539	C	22.4	1539	C	34.7	1			
117	C	22.7	1956	C	20.9	1956	C	21.	1956	C	26.6	1956	C	25.4	1956	C	32.7	2156	C	33.3	2156	C	21.7	1421	C	19.1	1454	C	22.2	1454	C	32.5	1			
118	C	32.3	1954	C	19.6	1954	C	19.4	1954	C	25.8	1954	C	24.7	1954	C	32.6	2154	C	33.3	2154	C	21.3	1419	C	17.7	1456	C	19.6	1456	C	32.4	1			
119	C	25.7	1211	C	20.3	1211	C	20.3	1211	C	24.	1211	C	23.3	1211	C	29.5	1211	C	30.	1211	C	17.	813	C	16.6	826	C	18.4	826	C	32.3				
120	C	49.6	748	C	38.4	748	C	38.5	748	C	24.6	837	C	26.6	837	C	31.	1232	C	32.3	1232	C	20.2	837	C	18.9	853	C	21.8	853	C	32.2				
121	C	22.7	937	C	22.8	937	C	20.6	937	C	27.2	937	C	27.	937	C	30.2	1331	C	31.4	1331	C	21.5	937	C	19.	952	C	22.	952	C	32.1				
122	F	0	0	B	28.3	7781	B	28.5	7781	B	28.3	7781	B	28.5	7904	B	34.7	20626	B	33.	20626	B	16.7	1257	B	16.1	1257	B	19.	1257	B	14.7	1			
123	A	7.2	187	A	10.2	187	A	10.2	187	A	7.6	187	A	7.2	187	A	39.3	187	B	34.3	2612	A	8.5	187	A	7.6	187	A	6.1	238	A	5.1				
124	A	4.6	185	A	5.2	185	A	5.3	185	A	2.8	185	A	2.7	185	A	3.2	185	B	4.7	444	A	1.9	185	A	1.7	185	A	1.5	236	A	1.4				
125	A	4.6	359	A	4.8	359	A	5.	359	A	6.1	459	A	6.1	459	A	6.2	459	C	7.	1639	C	7.	1639	C	6.9	1639	B	6.6	854	B	6.5				
126	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.1	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	
127	A	0.4	157	A	0.4	157	A	0.4	157	A	0.7	157	A	0.6	157	A	0.7	157	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
128	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
129	A	3.2	319	A	3.5	319	A	3.5	319	A	5.2	319	A	5.1	319	A	5.9	319	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
130	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
131	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	

## 2.60 4\_Trig\_functions\4.1aSine\4.1.13(d+ex)^msin(a+bx+cx^2)^n

Table 62: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.5 157	A 0.5 157	A 0.5 157	A 0.7 157	A 0.7 157	A 0.9 157	A 1.2 157	A 1.2 157	A 1.1 157	A 0.7 157	A 0.6 157	A 0.5 157	A
2	A 0.2 111	A 0.3 111	A 0.3 111	A 0.4 111	A 0.4 111	A 0.5 111	A 0.6 111	A 0.6 111	A 0.5 111	A 0.3 111	A 0.3 111	A 0.2 111	A
3	A 0.1 89	A 0.1 89	A 0.1 89	A 0.2 89	A 0.2 89	A 0.3 89	A 0.3 89	A 0.3 89	A 0.3 89	A 0.1 89	A 0.1 89	A 0.1 89	A
4	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
5	A 0.2 118	A 0.2 118	A 0.2 118	A 0.4 118	A 0.3 118	A 0.4 118	A 0.4 118	A 0.4 118	A 0.4 118	A 0.2 118	A 0.2 118	A 0.2 118	A
6	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0.2 97	A 0.2 97	A 0.2 97	A 0.1 97	A 0.1 97	A 0. 97	A
7	A 0.8 186	A 0.8 186	A 0.8 186	A 1.4 186	A 1.2 186	A 1.4 186	A 1.8 186	A 1.9 186	A 1.8 186	A 1.4 186	A 1.2 186	A 1. 186	A
8	A 0.1 84	A 0.1 84	A 0.1 84	A 0.2 84	A 0.2 84	A 0.2 84	A 0.3 84	A 0.2 84	A 0.2 84	A 0.1 84	A 0.1 84	A 0. 84	A

## 2.61 4\_Trig\_functions\4.1aSine\4.1.1.3(gtan)^p(a+bsin)^m

Table 63: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	gra
1	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 77	A 0.1 77	A 0.2 77	B 0.7 166	B 0.7 166	B 0.7 166	B 0.7 166	B 0.7 166	B 0.5 166	A
2	A 0. 81	A 0. 81	A 0. 96	A 0.2 87	A 0.2 87	A 0.3 87	A 0.1 149	A 0.1 149	A 0.1 149	A 0.1 149	A 0.1 149	A 0.1 149	A
3	A 0.2 110	A 0.2 110	A 0.2 110	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A
4	C 0.2 164	C 0.2 164	C 0.2 164	C 0.1 164	C 0.1 164	C 0.1 164	A 0.1 192	A 0.1 192	A 0.1 192	A 0.1 192	A 0.1 192	A 0.1 192	A
5	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0.1 40	A 0.2 54	A 0.2 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 56	A
6	A 1. 174	A 1.2 174	A 1.1 174	A 0.9 174	A 0.8 174	A 1.1 174	A 1.3 174	A 1.3 174	A 1.1 174	A 0.9 174	A 0.7 174	A 0.7 191	A
7	A 0.4 120	A 0.5 120	A 0.5 120	B 0.5 145	B 0.4 145	B 0.7 145	B 0.6 145	B 0.6 145	B 0.4 145	B 0.4 145	B 0.4 145	A 0.2 103	E
8	A 0.1 66	A 0.1 66	A 0.1 66	A 0.3 67	A 0.2 67	A 0.3 67	A 1.3 86	A 1.3 86	A 1.2 86	A 1.1 86	A 0.8 86	A 0.6 86	A
9	A 6.6 177	A 6.8 177	A 6.8 177	A 2.4 177	A 2.2 177	A 2.6 177	A 3.3 177	A 3.4 177	A 3.2 177	A 2.9 177	A 3. 177	A 2.5 177	A
10	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 78	A 0.1 78	A 0.2 78	A 0.4 97	A 0.5 97	A 0.4 97	A 0.3 97	A 5.2 97	A 4.3 97	A
11	A 3. 57	A 3.2 57	A 3.4 57	A 0.5 57	A 0.4 57	A 0.5 57	A 0.4 57	A 0.4 57	A 0.3 57	A 0.3 57	A 0.3 57	A 0.2 57	A
12	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0.1 28	B 0.1 126	B 0.1 126	B 0.1 126	B 0.1 126	B 0.1 126	B 0.1 134	E
13	A 1. 112	A 1.2 112	A 1.1 112	A 1.9 112	A 1.6 112	A 3.8 112	A 0.4 367	A 0.4 367	A 0.4 367	A 0.4 367	A 0.4 367	A 0.3 371	A
14	A 0.2 70	A 0.2 70	A 0.2 70	A 0.4 70	A 0.3 70	A 0.6 70	B 0.2 217	B 0.2 217	B 0.2 217	B 0.2 217	B 0.1 217	B 0.1 217	E
15	A 0.1 88	A 0.2 88	A 0.2 88	A 0.2 88	A 0.2 88	A 0.3 88	A 1.5 98	A 1.5 98	A 1.3 98	A 1.3 98	A 0.8 98	A 0.7 98	A
16	A 0.2 82	A 0.3 82	A 0.3 82	A 0.4 82	A 0.3 82	A 0.6 82	A 0.3 242	A 0.3 242	A 0.2 242	A 0.2 242	A 0.2 242	A 0.2 242	A
17	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 1.5 48	A 1.6 48	A 1.5 48	A 1.2 48	A 0.4 48	A 0.2 48	A
18	A 0.1 89	A 0.1 89	A 0.1 89	A 0.2 89	A 0.2 89	A 0.2 89	A 3.1 253	A 3.2 253	A 2.9 253	A 2.6 253	A 1.2 249	A 1. 251	A
19	A 0.8 124	A 0.9 124	A 0.9 124	A 0.5 124	A 0.4 124	A 0.6 124	A 0.7 124	A 0.7 124	A 0.5 124	A 0.5 124	A 0.4 124	A 0.3 124	A
20	A 1.1 46	A 4.3 46	A 4.4 46	A 4.7 46	A 4. 46	A 5.2 46	A 0.3 46	A 0.3 46	A 0.3 46	A 0.2 46	A 0.2 46	A 0.2 46	A
21	A 1.2 334	A 1.4 334	A 1.4 334	A 1.6 334	A 1.4 334	A 2.1 334	A 2.5 334	A 2.6 334	A 2.3 334	A 1.9 334	A 1.3 310	A 1.5 309	C
22	B 0.5 138	B 0.6 138	B 0.6 138	B 0.4 138	B 0.3 138	B 0.4 138	B 0.5 138	B 0.5 138	B 0.4 138	B 0.4 138	B 0.3 157	B 0.3 133	C
23	B 0.7 292	B 0.7 292	B 0.7 292	B 0.6 292	B 0.5 292	B 0.9 292	B 1. 292	B 0.9 292	B 0.8 292	B 0.7 292	A 0.7 259	A 0.6 259	C
24	C 0.6 128	C 0.7 128	C 0.7 128	C 0.5 128	C 0.5 128	C 0.6 128	C 0.7 128	C 0.7 128	C 0.6 133	C 0.6 133	C 0.5 133	C 0.4 133	C
25	C 0.8 394	C 0.8 394	C 0.9 394	C 0.6 394	C 0.5 394	C 0.7 394	C 0.8 394	C 0.9 394	C 0.8 394	C 0.7 394	C 0.6 394	C 0.6 394	C
26	C 0.5 284	C 0.6 284	C 0.6 284	C 0.4 284	C 0.4 284	C 0.5 284	C 0.6 284	C 0.6 284	C 0.5 284	C 0.5 284	C 0.4 284	C 0.4 284	C
27	C 1.9 332	C 2.1 332	C 2.2 332	C 2.7 332	C 2.4 332	C 3.4 332	C 4.5 332	C 4.7 332	C 3.9 332	C 3.7 332	C 2.8 299	C 2.7 298	C
28	A 0. 35	A 0. 35	A 0. 47	A 0. 43	A 0. 43	A 0.1 43	A 0.1 35	A 0.1 35	A 0.1 35	A 0.1 35	A 0. 35	A 0. 35	A
29	A 0. 81	A 0. 81	A 0. 96	A 0.3 87	A 0.2 87	A 0.4 87	A 0. 149	A 0.1 149	A 0. 149	A 0.1 149	A 0. 149	A 0. 149	A
30	A 0.3 108	A 0.3 108	A 0.3 108	A 0.5 108	A 0.4 108	A 0.6 108	A 0.9 169	A 0.8 169	A 0.7 169	A 0.7 169	A 0.7 169	A 0.6 169	A

Table 63 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 1.1 351	A 1.2 351	A 1.3 351	A 1.3 351	A 1.1 351	A 1.6 351	A 1.8 351	A 1.9 351	A 1.6 351	A 1.7 351	A 2.1 351	A 1.9 351	E
32	A 0.8 226	A 1. 226	A 1. 226	A 0.8 226	A 0.7 226	A 1. 226	A 1. 226	A 1.1 226	A 0.9 226	A 0.9 226	A 0.8 226	A 0.7 226	A
33	A 0.8 113	A 0.9 113	A 0.9 113	A 0.9 113	A 0.8 113	A 1.1 113	A 1.3 113	A 1.3 113	A 1.1 114	A 0.9 114	A 0.6 122	A 0.5 122	A
34	A 6.5 355	A 6.6 355	A 6.7 355	A 6.3 355	A 6.2 355	A 6.4 355	A 6.2 355	A 6.2 355	A 6.2 355	A 6.1 355	A 6.1 355	A 6.1 355	A
35	A 1.1 195	A 1.1 195	A 1.2 195	A 1.5 195	A 1.4 195	A 2. 195	A 2.7 195	A 2.8 195	A 2.2 197	A 2.5 197	A 1.7 197	A 1.9 196	A
36	B 6.2 350	B 6.3 350	B 6.3 350	B 6.1 350	B 6.1 350	B 6.2 350	B 6.2 350	B 6.2 350	B 6.1 350	B 6.1 350	B 6.1 350	B 6.1 350	A
37	A 1.1 504	A 1.2 504	A 1.2 504	A 1.4 504	A 1.4 504	A 2. 504	A 2.5 504	A 2.7 504	A 2.3 504	A 2.4 504	A 2.2 504	A 2. 504	A
38	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.2 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A
39	A 0.4 96	A 0.4 96	A 0.4 96	A 0.6 96	A 0.6 96	A 0.9 96	A 6.1 161	A 6.1 161	A 5.8 134	A 4. 134	A 5.5 134	A 4.5 134	A
40	A 0.9 169	A 0.9 169	A 0.9 169	A 1.1 169	A 1. 169	A 2.1 169	A 2.7 169	A 2.9 169	A 2.2 169	A 2.3 169	A 1.4 169	A 1.2 168	A
41	A 0.8 351	A 0.9 351	A 1. 351	A 1.1 351	A 1. 351	A 1.3 351	A 1.7 351	A 1.8 351	A 1.5 351	A 1.7 351	A 4.9 353	A 1.2 351	A
42	A 2.3 212	A 2.4 212	A 2.5 212	A 3.4 212	A 3.1 212	A 5.4 212	A 6.2 272	A 6.2 272	A 6.2 272	A 6.2 272	A 4.7 212	A 4.2 211	A

## 2.62 4\_Trig\_functions\4.1aSine\4.1.2.1(a+bsin)^m(c+dsin)^n

Table 64: Breakdown of results for each integral

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			grade		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size			
1	A	0.3	105	A	0.3	105	A	0.3	105	A	0.5	105	A	0.4	105	A	0.6	105	A	0.4	66	A	0.5	66	A	0.4	66	A	0.4	66	A	0.4	66
2	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48
3	A	0.2	84	A	0.2	84	A	0.2	84	A	0.2	84	A	0.2	84	A	0.4	84	A	0.5	84	A	0.5	84	A	0.4	87	A	0.3	87	A	0.3	87
4	A	0.1	170	A	0.1	170	A	0.1	170	A	0.1	170	A	0.1	170	A	0.1	170	A	0.1	170	A	0.1	170	A	0.1	170	A	0.1	170	A	0.1	170
5	A	0.4	117	A	0.5	117	A	0.5	117	A	0.2	117	A	0.2	117	A	0.3	117	A	0.3	117	A	0.3	117	A	0.3	117	A	0.3	117	A	0.3	117
6	A	0.1	81	A	0.2	81	A	0.2	81	A	0.1	81	A	0.1	81	A	0.1	81	A	0.2	81	A	0.2	81	A	0.1	81	A	0.1	81	A	0.1	81
7	B	0.	65	B	0.	65	B	0.	65	B	0.	65	B	0.	65	B	0.1	65	B	0.1	65	B	0.1	65	B	0.	65	B	0.	65	B	0.	65
8	A	0.1	68	A	0.1	68	B	0.3	97	B	0.1	97	B	0.1	97	B	0.1	97	B	0.1	97	B	0.1	97	B	0.1	97	B	0.1	97	B	0.1	97
9	A	0.1	67	A	0.1	67	B	0.3	95	B	0.1	95	B	0.1	95	B	0.2	95	B	0.1	95	B	0.1	95	B	0.1	95	B	0.1	95	B	0.1	95
10	A	2.6	286	A	2.9	286	A	3.	286	A	1.	286	A	0.9	286	A	1.4	286	A	1.5	286	A	1.6	286	A	1.3	286	A	1.3	286	A	1.3	286
11	A	1.3	167	A	1.5	167	A	1.5	167	A	1.1	165	A	1.	165	A	1.4	165	A	1.6	165	A	1.8	165	A	1.5	165	A	1.4	165	A	1.4	165
12	C	0.5	156	C	0.6	156	C	0.5	156	C	0.3	156	C	0.3	156	C	0.4	156	C	0.4	156	C	0.5	156	C	0.4	156	C	0.3	156	C	0.3	156
13	C	0.4	134	C	0.5	134	C	0.5	134	C	0.3	134	C	0.3	134	C	0.4	134	C	0.4	134	C	0.4	134	C	0.3	134	C	0.3	134	C	0.3	134
14	C	0.9	223	C	1.	223	C	1.	223	C	0.2	223	C	0.2	223	C	0.3	223	C	0.3	223	C	0.3	223	C	0.2	223	C	0.2	223	C	0.2	223
15	C	0.7	221	C	0.8	221	C	0.8	221	C	0.5	221	C	0.5	221	C	0.8	221	C	1.	221	C	1.	221	C	0.8	221	C	0.7	221	C	0.7	221
16	C	1.5	296	C	1.7	296	C	1.7	296	C	0.3	296	C	0.3	296	C	0.4	296	C	0.4	296	C	0.4	296	C	0.4	296	C	0.3	296	C	0.3	296
17	C	3.8	680	C	4.	680	C	4.1	680	C	1.2	680	C	1.1	680	C	1.7	680	C	2.	680	C	2.1	680	C	1.8	680	C	1.7	680	C	1.7	680
18	B	2.	234	B	2.2	234	B	2.2	234	C	2.6	351	C	2.5	351	C	3.3	351	C	4.5	324	C	3.1	351	C	2.7	351	C	2.8	351	C	2.8	351
19	C	58.8	2791	C	46.3	2791	C	46.5	2791	C	23.3	2791	C	22.7	2791	C	25.8	2791	C	48.9	9193	C	35.6	2791	C	33.7	2793	C	35.7	2793	C	35.7	2793
20	A	0.6	110	A	0.7	110	A	0.7	110	A	0.5	110	A	0.5	110	A	0.6	110	A	0.7	110	A	0.7	110	A	0.6	110	A	0.7	110	A	0.7	110
21	A	0.5	108	A	0.6	108	A	0.6	108	A	0.4	108	A	0.3	108	A	0.4	108	A	0.4	108	A	0.5	108	A	0.4	108	A	0.4	108	A	0.4	108
22	F	0	0	F	0	0	F	0	0	C	20.7	230	C	19.7	230	C	27.4	230	C	30.6	308	C	32.4	308	C	27.5	262	C	26.1	262	C	26.1	262
23	B	5.4	263	B	5.6	263	B	5.5	263	B	4.	263	B	3.7	263	B	8.7	624	B	7.5	624	B	3.9	263	B	3.4	263	B	4.1	263	B	4.1	263
24	C	0.8	183	C	0.9	183	C	0.9	183	C	4.6	264	C	4.3	264	C	5.6	264	C	13.1	264	C	12.	264	C	10.3	264	C	6.2	264	F	6.2	264
25	C	22.4	5129	C	22.9	5129	C	22.8	5129	C	22.7	5129	C	23.3	5129	C	32.6	20257	C	33.7	20257	C	25.2	5129	C	25.1	5129	C	25.	5129	C	25.	5129
26	B	4.5	242	B	4.9	242	B	4.9	242	B	2.5	242	B	2.2	242	B	4.	446	B	4.1	446	B	3.1	242	B	3.9	266	B	2.4	242	B	2.4	242
27	F	0	0	F	0	0	F	0	0	B	15.2	2813	B	14.8	2813	B	15.5	2813	B	16.7	2813	B	3.3	288	B	2.5	288	B	2.5	288	B	2.5	288
28	C	8.	1042	B	21.8	1732	B	21.7	1732	C	54.2	28439	C	54.1	28439	C	57.4	28536	C	79.1	29340	C	18.8	4818	C	14.5	4856	C	20.	7154	C	20.	7154
29	C	0.1	49	C	0.1	49	C	0.1	49	A	0.2	90	A	0.2	90	A	0.3	90	A	0.3	90	A	0.3	87	A	0.2	87	A	0.2	87	A	0.2	87
30	A	0.2	76	A	0.2	76	A	0.2	76	A	0.2	76	A	0.2	76	A	0.2	76	A	0.2	76	A	0.3	76	A	0.2	76	A	0.2	76	A	0.2	76



Table 64 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			grade c
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	
31	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A
32	A	0.1	46	A	0.2	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A
33	B	0.7	133	B	0.8	133	B	0.8	133	B	0.5	133	B	0.5	133	B	0.7	133	B	0.9	133	B	1.	133	B	0.8	133	B	0.7	133	B
34	A	0.6	127	A	0.7	127	A	0.7	127	A	0.8	127	A	0.7	127	A	0.9	127	A	1.2	127	A	1.2	127	A	1.1	127	A	1.1	127	A
35	A	0.3	94	A	0.3	94	A	0.3	94	A	0.4	94	A	0.4	94	A	0.4	94	A	0.6	94	A	0.6	94	A	0.5	96	A	0.5	96	A
36	A	0.2	94	A	0.2	94	A	0.2	94	A	0.3	94	A	0.3	94	A	0.4	94	A	0.4	94	A	0.5	94	A	0.4	96	A	0.4	96	A
37	A	0.1	93	A	0.2	93	A	0.1	93	A	0.2	93	A	0.2	93	A	0.2	93	A	0.3	93	A	0.3	93	A	0.3	93	A	0.2	93	A
38	A	0.7	157	A	0.8	157	A	0.7	157	A	1.1	157	A	1.	157	A	1.3	157	A	1.6	157	A	1.8	157	A	1.4	157	A	3.	157	A
39	A	3.3	143	A	3.5	143	A	3.5	143	A	3.2	143	A	3.1	143	A	3.5	143	A	3.7	143	A	3.8	143	A	3.6	143	A	3.4	143	A
40	A	2.5	94	A	2.5	94	A	2.5	94	A	2.4	94	A	2.4	94	A	2.5	94	A	2.5	94	A	2.5	94	A	2.5	94	A	2.5	94	A
41	A	0.2	120	A	0.2	120	A	0.2	120	A	0.3	120	A	0.3	120	A	0.3	120	A	0.4	120	A	0.4	120	A	0.4	120	A	0.4	120	A
42	A	0.4	249	A	0.4	249	A	0.4	249	A	0.3	188	A	0.4	188	A	0.4	188	A	0.5	188	A	0.5	188	A	0.5	188	A	0.4	188	C
43	A	0.1	83	A	0.1	83	A	0.1	83	A	0.2	83	A	0.2	83	A	0.3	83	A	0.2	83	A	0.2	83	A	0.2	83	A	0.2	83	A
44	A	0.1	83	A	0.1	83	A	0.1	83	A	0.1	83	A	0.1	83	A	0.2	83	A	0.2	83	A	0.2	83	A	0.2	83	A	0.2	83	A
45	A	0.1	84	A	0.1	84	A	0.1	84	A	0.1	84	A	0.1	84	A	0.2	84	A	0.2	84	A	0.2	84	A	0.2	84	A	0.2	84	A
46	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.2	95	A	0.2	95	A	0.2	95	A	0.2	95	A	0.1	95	A
47	A	0.1	100	A	0.1	100	A	0.1	100	A	0.1	100	A	0.1	100	A	0.2	100	A	0.2	100	A	0.2	100	A	0.2	100	A	0.2	100	A
48	A	0.	39	A	0.	39	A	0.	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A
49	B	2.3	81	B	2.5	81	B	1.7	81	B	0.5	81	B	0.4	81	B	0.5	81	B	0.3	81	B	0.3	81	B	0.3	81	B	0.3	81	B
50	A	7.	69	A	7.5	69	A	7.3	69	A	1.7	69	A	1.6	69	A	2.2	69	A	1.9	69	A	2.1	69	A	1.9	69	A	1.8	69	A
51	A	1.3	154	A	1.4	154	A	1.3	154	A	0.8	131	A	0.8	131	A	1.	131	A	0.4	131	A	0.4	131	A	0.4	131	A	0.3	131	A
52	A	12.5	276	A	12.5	276	A	12.5	276	A	0.8	276	A	0.7	276	A	0.9	276	A	0.6	276	A	0.6	276	A	0.5	276	A	0.5	276	A
53	A	0.	29	A	0.	29	A	0.	29	A	0.1	29	A	0.1	29	A	0.1	29	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A
54	A	16.4	303	A	16.6	303	A	16.7	303	A	0.9	303	A	0.9	303	A	1.1	303	A	0.7	303	A	0.7	303	A	0.6	303	A	0.6	303	A
55	B	2.5	239	B	2.9	239	B	1.9	239	B	0.5	239	B	0.4	239	B	0.5	239	B	0.3	239	B	0.3	239	B	0.3	239	B	0.2	239	B
56	A	1.7	92	A	1.9	92	A	1.9	92	A	0.4	92	A	0.4	92	A	0.5	92	A	0.4	92	A	0.5	92	A	0.4	92	A	0.4	92	A
57	A	8.1	233	A	8.7	233	A	3.4	234	A	1.7	233	A	1.6	233	A	2.2	233	A	0.7	233	A	0.8	233	A	0.7	233	A	0.5	233	C
58	B	0.4	73	B	0.5	73	B	0.5	73	B	0.3	73	B	0.2	73	B	0.3	73	B	0.3	73	B	0.3	73	B	0.3	73	B	0.2	73	B
59	C	7.2	163	C	7.3	163	C	7.3	163	C	1.	163	C	1.	163	C	1.3	163	C	1.2	163	C	1.3	163	C	1.1	163	C	1.1	163	C
60	A	6.1	76	A	6.7	76	A	6.7	76	A	6.3	112	A	6.3	112	B	6.7	1289	B	6.1	1289	B	6.1	1289	B	6.1	1289	B	6.1	1289	B
61	C	7.4	187	C	7.6	187	C	7.6	187	C	1.1	187	C	1.	187	C	1.3	187	C	1.1	187	C	1.2	187	C	1.	187	C	1.	187	C
62	A	6.8	102	A	7.	102	A	6.9	102	A	0.8	102	A	0.7	102	A	0.9	102	A	0.8	102	A	0.9	102	A	0.8	102	A	0.7	102	A
63	A	1.2	88	A	1.4	88	A	1.3	88	A	0.4	88	A	0.3	88	A	0.4	88	A	0.2	88	A	0.2	88	A	0.2	88	A	0.2	88	A
64	A	7.1	112	A	7.4	112	A	7.2	112	A	1.3	112	A	1.2	112	A	1.4	112	A	1.4	112	A	1.5	112	A	1.3	112	A	1.3	112	A

Table 64 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			grade
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	
65	C	2.7	164	C	2.9	164	C	2.8	164	C	0.9	164	C	0.8	164	C	1.	164	C	0.7	164	C	0.8	164	C	0.6	164	C	0.6	164	C
66	C	3.6	156	C	3.8	156	C	3.7	156	C	1.2	156	C	1.2	156	C	1.5	156	C	1.2	156	C	1.3	156	C	1.1	156	C	0.9	156	C
67	A	8.9	124	A	9.2	124	A	9.	124	A	3.2	124	A	3.1	124	A	3.8	124	A	4.2	124	A	4.6	124	A	4.1	124	A	4.	124	A
68	A	2.7	114	A	3.	114	A	2.7	114	A	1.4	114	A	1.3	114	A	1.6	114	A	1.4	114	A	1.5	114	A	1.4	114	A	1.3	114	A
69	A	2.2	104	A	2.4	104	A	2.2	104	A	0.9	104	A	0.9	104	A	1.1	104	A	0.9	104	A	1.	104	A	0.8	104	A	0.7	104	A
70	A	1.6	92	A	1.8	92	A	1.6	92	A	0.4	92	A	0.4	92	A	0.5	92	A	0.3	92	A	0.3	92	A	0.2	92	A	0.2	92	A
71	C	2.2	189	C	2.3	189	C	2.1	189	C	0.7	189	C	0.6	189	C	0.8	189	C	0.4	189	C	0.5	189	C	0.4	189	C	0.4	189	C
72	A	1.3	83	A	1.3	83	A	1.3	83	A	0.5	83	A	0.4	83	A	0.5	83	A	0.5	83	A	0.5	83	A	0.5	83	A	0.4	83	A
73	A	1.	74	A	1.	74	A	1.	74	A	0.3	74	A	0.3	74	A	0.4	74	A	0.4	74	A	0.4	74	A	0.4	74	A	0.3	74	A
74	A	0.8	60	A	0.8	60	A	0.8	60	A	0.2	60	A	0.2	60	A	0.3	60	A	0.2	60	A	0.3	60	A	0.2	60	A	0.2	60	A
75	B	1.1	87	B	1.1	87	B	1.1	87	B	0.3	87	B	0.2	87	B	0.3	87	B	0.3	87	B	0.3	87	B	0.2	87	B	0.2	87	B
76	A	0.8	69	A	0.8	69	A	0.8	69	A	0.5	70	A	0.4	70	A	0.6	70	A	0.4	70	A	0.4	70	A	0.4	70	A	0.3	70	A
77	A	0.9	72	A	0.9	72	A	0.9	72	A	0.3	72	A	0.3	72	A	0.4	72	A	0.4	72	A	0.4	72	A	0.3	72	A	0.3	72	A
78	A	5.2	118	A	5.2	118	A	5.1	118	A	3.9	118	A	3.4	118	A	4.	118	A	4.6	118	A	5.1	118	A	4.6	118	A	4.6	118	A
79	A	4.5	93	A	4.8	93	A	4.7	93	A	1.1	93	A	1.	93	A	1.5	93	A	1.5	93	A	1.5	93	A	1.1	93	A	1.	93	A
80	A	1.	82	A	1.1	82	A	1.1	82	A	0.4	82	A	0.3	82	A	0.4	82	A	0.4	82	A	0.5	82	A	0.4	82	A	0.4	82	A
81	A	0.5	71	A	0.5	71	A	0.5	71	A	0.3	89	A	0.2	89	A	0.3	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A
82	A	1.3	202	A	1.4	202	A	1.4	202	A	0.7	224	A	0.6	224	A	0.8	224	A	0.5	224	A	0.5	224	A	0.4	224	A	0.4	224	A
83	A	7.1	153	A	7.3	153	A	7.3	153	A	0.9	153	A	0.8	153	A	1.	153	A	0.8	153	A	0.9	153	A	0.8	153	A	0.7	153	A
84	B	1.8	86	B	2.	86	B	2.	86	B	0.5	86	B	0.5	86	B	0.7	86	B	0.4	86	B	0.4	86	B	0.4	86	B	0.3	86	B
85	A	1.4	271	A	1.5	271	A	1.5	271	A	0.8	287	A	0.7	287	A	1.	287	A	0.4	287	A	0.5	287	A	0.4	287	A	0.4	287	A
86	F	0	0	F	0	0	F	0	0	C	21.1	5391	C	20.9	5391	C	26.4	10191	C	26.	10191	C	14.8	1343	C	14.5	1343	C	16.5	1343	C
87	A	0.7	85	A	0.7	85	A	0.7	85	A	0.2	85	A	0.2	85	A	0.2	85	A	0.2	85	A	0.2	85	A	0.2	85	A	0.2	85	A
88	A	5.	66	A	4.7	66	A	4.9	66	B	1.6	157	B	1.4	157	B	2.	157	C	18.9	3268	C	8.2	427	C	5.5	396	C	4.5	396	C
89	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A
90	C	1.1	220	C	1.2	220	C	1.2	220	C	0.7	220	C	0.6	220	C	0.8	220	C	0.9	220	C	0.9	220	C	0.8	220	C	0.8	220	C
91	A	0.9	262	A	1.	262	A	1.	262	A	1.4	262	A	1.4	262	A	1.7	262	A	5.1	345	A	5.	345	A	4.2	345	A	1.2	345	C
92	A	0.6	204	A	0.6	204	A	0.7	204	A	0.9	204	A	0.9	204	A	1.1	204	A	1.8	188	A	1.9	188	A	1.1	188	A	0.7	194	A
93	A	0.2	106	A	0.2	106	A	0.2	106	A	0.4	106	A	0.3	106	A	0.5	106	A	0.4	65	A	0.5	65	A	0.4	68	A	0.3	68	A
94	A	2.5	44	A	2.7	44	A	2.7	44	A	0.4	44	A	0.3	44	A	0.5	44	A	0.3	44	A	0.3	44	A	0.3	44	A	0.3	44	A
95	A	0.4	234	A	0.4	234	A	0.4	234	A	0.4	234	A	0.4	234	A	0.7	189	A	0.5	234	A	0.5	234	A	0.4	234	A	0.4	234	A
96	A	1.3	378	A	1.4	378	A	1.5	378	A	2.	378	A	1.9	378	A	0.9	221	A	3.1	378	A	3.4	378	A	2.9	378	A	2.4	378	C
97	B	0.3	172	B	0.3	172	B	0.3	172	B	0.3	172	B	0.3	172	A	0.5	78	B	0.3	172	B	0.3	172	B	0.3	172	B	0.2	172	B
98	B	1.	683	B	1.1	683	B	1.5	683	B	1.5	683	B	1.4	683	A	1.4	220	B	2.7	683	B	2.7	683	B	2.3	683	B	1.7	683	C

Table 64 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			grade
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	
99	A	0.1	84	A	0.1	84	A	0.1	84	A	0.1	84	A	0.1	84	A	0.1	84	A	1.4	149	A	1.5	149	A	1.3	149	A	1.1	149	A
100	A	0.	55	A	0.	55	A	0.1	55	A	0.1	55	A	0.	55	A	0.1	55	A	0.2	98	A	0.2	98	A	0.2	98	A	0.1	98	A
101	C	7.6	2815	C	7.8	2815	C	8.2	2815	C	7.4	2815	C	7.3	2815	C	8.8	2815	C	7.9	2815	C	8.	2815	C	7.8	2815	C	7.7	3895	C
102	A	2.7	193	A	2.9	193	A	3.3	193	A	1.2	193	A	1.1	193	A	1.4	193	A	1.7	193	A	1.9	193	A	1.6	193	A	1.5	193	A
103	A	1.7	256	A	1.9	256	A	1.9	256	A	2.7	256	A	2.5	256	A	3.2	256	A	4.1	256	A	4.4	256	A	3.7	256	A	4.	256	A
104	A	3.9	385	A	4.2	385	A	4.2	385	B	6.3	662	A	5.9	385	B	6.4	662	B	6.3	662	B	6.4	662	B	6.3	662	B	6.3	662	B
105	A	3.9	449	A	4.1	449	A	4.4	449	A	6.3	625	A	6.	449	A	6.4	625	A	6.3	625	A	6.3	625	A	4.8	447	A	6.3	625	A
106	A	0.2	82	A	0.2	82	A	0.2	82	A	0.1	82	A	0.1	82	A	0.2	82	A	0.2	82	A	0.2	82	A	0.1	82	A	0.1	82	A
107	C	5.8	920	C	6.2	920	C	6.2	920	C	9.3	920	C	7.9	920	C	10.5	920	C	13.7	920	C	13.8	920	C	11.3	866	C	11.	866	C
108	A	1.9	136	A	2.	136	A	2.	136	A	1.	136	A	0.9	136	A	1.2	136	A	1.1	136	A	1.2	136	A	1.1	136	A	0.9	136	A
109	C	7.1	741	C	7.2	741	C	7.2	741	B	2.6	233	B	2.2	233	B	2.8	233	B	3.5	233	B	3.7	233	B	2.4	221	B	2.3	221	B
110	C	8.8	920	C	8.8	920	C	8.9	920	A	5.1	379	A	4.4	379	A	6.3	379	A	7.8	379	A	8.5	379	A	5.5	367	A	7.5	367	A
111	C	1.1	155	C	1.2	155	C	1.2	155	C	0.7	155	C	0.6	155	C	0.8	155	C	0.7	155	C	0.7	155	C	0.6	155	C	0.6	155	C
112	C	0.1	73	C	0.1	73	C	0.1	73	C	0.1	73	C	0.1	73	C	0.1	73	C	0.1	73	C	0.1	73	C	0.	73	C	0.	73	C
113	C	0.2	108	C	0.2	108	C	0.2	108	C	0.2	108	C	0.2	108	C	0.2	108	C	0.3	108	C	0.3	108	C	0.2	108	C	0.2	108	C
114	C	10.9	1045	C	11.7	1045	C	11.7	1045	C	9.8	958	C	9.3	958	C	10.2	958	C	11.1	958	C	11.6	958	C	10.9	958	C	9.9	958	C
115	C	1.5	360	C	1.7	360	C	1.7	360	C	2.7	365	C	2.4	365	C	3.7	365	C	4.3	365	C	4.	365	C	3.3	365	C	3.	365	C
116	A	2.2	281	A	2.5	281	A	2.5	281	A	1.	281	A	0.9	281	A	1.4	281	A	1.3	281	A	1.5	275	A	1.3	275	A	1.3	275	A
117	A	2.3	285	A	2.6	285	A	2.7	285	A	1.	285	A	0.9	285	A	1.3	285	A	1.2	285	A	1.5	280	A	1.1	280	A	1.1	280	A
118	B	2.7	372	B	2.9	372	B	3.	372	B	5.8	372	B	5.3	372	B	8.3	372	B	6.4	372	B	6.7	372	B	5.9	372	B	9.	372	B
119	B	3.9	401	B	4.1	401	B	4.1	401	B	6.3	401	B	5.9	401	B	9.1	401	B	7.4	401	B	7.9	401	B	7.	401	B	9.7	509	B
120	F	0	0	F	0	0	F	0	0	B	1.5	363	B	1.3	363	B	2.	363	B	2.2	363	A	0.9	115	A	0.8	115	A	0.6	115	A
121	F	0	0	F	0	0	F	0	0	B	1.6	363	B	1.4	363	B	2.5	363	B	2.8	363	A	0.7	115	A	0.6	115	A	0.4	115	A
122	F	0	0	F	0	0	F	0	0	B	1.3	365	B	1.1	365	B	1.6	365	B	1.9	365	A	0.8	146	A	0.5	146	A	0.5	146	A
123	C	7.3	272	C	8.	272	C	8.	272	A	0.5	88	A	0.5	88	A	0.6	88	A	0.7	88	A	0.6	119	A	0.5	119	A	0.6	119	A
124	C	0.1	77	C	0.1	77	C	0.1	77	A	0.2	97	A	0.2	97	A	0.2	97	A	0.3	97	A	0.3	94	A	0.2	94	A	0.2	94	A
125	C	9.4	272	C	10.2	272	C	10.3	272	B	1.1	179	B	1.	179	B	1.3	179	B	1.4	179	A	0.6	113	A	0.6	113	A	0.5	113	A
126	C	9.5	273	C	10.3	273	C	10.5	273	A	1.1	178	A	0.9	178	A	1.3	178	A	1.4	178	A	0.8	129	A	0.7	129	A	0.6	129	A
127	C	8.7	271	C	9.2	271	C	9.4	271	A	0.7	154	A	0.6	154	A	0.8	154	A	0.8	154	A	0.6	120	A	0.5	120	A	0.5	120	A
128	C	9.5	273	C	10.	273	C	10.1	273	A	1.3	187	A	1.1	187	A	1.5	187	A	1.7	187	A	0.8	138	A	0.7	138	A	0.7	138	A
129	C	10.8	352	C	11.5	352	C	11.5	352	A	1.6	187	A	1.4	187	A	1.7	187	A	2.1	187	A	1.5	141	A	1.3	141	A	0.9	141	A
130	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
131	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
132	A	11.2	190	A	11.3	190	A	11.7	190	A	34.6	190	A	32.2	190	A	37.9	190	C	40.8	385	C	38.8	264	C	36.4	265	C	38.	265	A

Table 64 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			grade
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	
133	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A
134	A	0.7	157	A	0.7	157	A	0.7	157	A	0.7	157	A	0.6	157	A	0.8	157	A	1.1	157	A	1.1	157	A	1.	157	A	1.6	157	A
135	A	3.5	249	A	3.5	249	A	3.5	249	A	1.6	249	A	1.4	249	A	6.2	366	A	6.1	366	A	6.1	366	A	5.8	252	A	1.9	252	A
136	A	1.8	346	A	1.8	346	A	1.8	346	A	1.6	346	A	1.4	346	A	2.2	346	A	2.9	346	A	3.1	346	A	2.4	346	A	2.	346	A
137	A	5.7	552	A	5.5	552	A	5.6	552	A	1.3	552	A	1.2	552	A	2.7	552	A	4.1	552	A	4.3	552	A	3.8	552	A	1.3	552	C
138	A	0.2	71	A	0.3	71	A	0.3	71	A	0.2	71	A	0.2	71	A	0.2	71	A	0.2	71	A	0.2	71	A	0.2	73	A	0.2	73	A
139	A	0.9	90	A	0.9	90	A	0.9	90	A	0.2	90	A	0.2	90	A	0.2	90	A	0.3	90	A	0.3	90	A	0.2	90	A	0.2	90	A
140	A	0.1	67	A	0.1	67	A	0.2	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.2	67	A	0.1	80	A	0.1	80	A
141	A	7.1	199	A	7.6	199	A	7.7	199	A	2.3	199	A	2.1	199	A	2.6	199	A	2.8	199	A	2.9	199	A	2.6	199	A	4.1	199	A
142	A	0.2	82	A	0.2	82	A	0.2	82	A	0.2	82	A	0.2	82	A	0.4	82	A	0.3	82	A	0.4	82	A	0.3	82	A	0.3	82	A
143	A	2.2	227	A	2.4	227	A	2.4	227	A	3.3	227	A	3.	227	A	3.5	227	A	4.5	227	A	5.	227	A	3.7	227	A	5.2	227	A
144	B	13.	894	B	13.4	894	B	13.4	894	B	4.2	894	B	3.9	894	B	7.	966	B	6.3	966	B	6.4	966	B	6.3	966	B	6.3	966	C
145	A	5.1	545	A	5.4	545	A	5.5	545	A	2.9	545	A	2.7	545	A	4.9	545	A	5.2	545	A	6.8	668	A	6.7	668	A	5.6	545	A
146	A	4.8	114	A	4.9	114	A	5.	114	A	2.9	114	A	2.8	114	A	3.1	114	A	2.4	114	A	2.4	114	A	2.4	114	A	2.4	114	A
147	C	29.7	1057	C	29.7	1057	C	29.7	1057	C	8.2	1057	C	7.9	1057	C	8.6	1057	C	8.	1057	C	26.4	6518	C	25.7	6518	C	7.8	1057	C
148	C	7.4	1319	C	7.5	1319	C	7.4	1319	C	8.7	1319	C	8.2	1319	C	9.7	1319	C	8.9	1319	C	21.3	6780	C	20.9	6780	C	8.6	1319	C
149	C	10.	1149	C	10.4	1149	C	10.1	1149	C	8.1	1149	C	7.8	1149	C	8.9	1149	C	7.8	1149	C	26.7	6610	C	25.7	6610	C	7.2	1149	C
150	C	6.6	1038	C	6.6	1038	C	6.6	1038	C	7.1	1038	C	7.	1038	C	8.1	1038	C	7.	1038	C	25.7	6499	C	25.	6499	C	6.9	1038	C
151	C	7.4	1318	C	7.4	1318	C	7.4	1318	C	9.	1318	C	8.1	1318	C	9.7	1318	C	8.7	1318	C	21.2	6779	C	20.8	6779	C	8.6	1318	C
152	B	9.3	1978	B	9.5	1978	B	9.6	1978	B	7.2	1978	B	7.1	1948	B	7.6	1948	B	6.5	1948	B	6.6	1948	B	6.5	1948	B	6.5	1948	B
153	B	14.1	1879	B	14.2	1879	B	14.2	1879	B	9.7	1879	B	9.5	1849	B	9.9	1849	B	10.4	1849	B	10.8	1849	B	10.3	1849	B	10.1	1849	B
154	A	0.2	197	A	0.2	197	A	0.2	197	A	0.2	197	A	0.2	195	A	0.3	195	B	6.6	578	B	6.7	578	B	6.6	578	B	6.6	578	A
155	B	6.4	1952	B	6.5	1952	B	6.5	1952	B	6.3	1952	B	6.3	1922	B	6.5	1922	B	6.4	1922	B	6.5	1922	B	6.4	1922	B	6.4	1922	B
156	B	14.	1879	B	14.2	1879	B	14.2	1879	B	9.5	1879	B	9.5	1849	B	9.8	1849	B	10.4	1849	B	10.6	1849	B	10.3	1849	B	10.1	1849	B
157	B	17.4	1894	B	17.6	1894	B	17.8	1894	B	10.4	1894	B	10.3	1864	B	11.2	1864	B	11.1	1864	B	11.4	1864	B	10.9	1864	B	10.7	1864	B
158	B	36.	88729	B	35.9	88729	B	35.9	88729	B	32.6	90261	B	32.5	90261	B	33.2	90261	B	32.1	90261	B	32.3	90261	B	32.	90261	B	32.5	90261	B
159	B	6.5	2102	B	6.6	2102	B	6.6	2102	B	6.5	2102	B	6.5	2072	B	6.7	2072	B	6.7	2072	B	6.7	2072	B	6.6	2072	B	6.6	2072	B
160	A	0.2	120	A	0.2	120	A	0.2	120	A	0.3	120	A	0.3	120	A	0.3	120	A	0.4	120	A	0.4	120	A	0.4	120	A	0.4	120	A
161	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
162	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
163	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
164	A	17.3	493	A	17.5	493	A	17.4	493	A	11.8	493	A	11.7	493	A	14.1	493	C	37.3	28213	C	34.1	28213	C	36.7	28269	C	33.1	15238	C
165	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
166	B	20.9	1872	B	19.7	1872	B	19.8	1872	B	19.1	1872	B	19.	1938	B	29.4	8880	B	29.4	8880	B	19.	1938	B	18.8	1938	B	19.5	1938	B

Table 64 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade c
167	B 18.3 1808	B 17.3 1808	B 17.2 1808	B 18.3 1808	B 18.2 1811	B 26.5 7184	B 27.2 7184	B 18.5 1811	B 18.3 1811	B 18.2 1811	B 1
168	B 20. 1970	B 19.1 1970	B 19.2 1970	B 19.1 1970	B 19. 2036	B 30.4 9486	B 31.5 9486	B 19.3 2036	B 19. 2036	B 18.7 2036	B 1

## 2.63 4\_Trig\_functions\4.1aSine\4.1.2.2(gcos)^p(a+bsin)^m(c+dsin)^n

Table 65: Breakdown of results for each integral

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
1	C	2.6	115	C	2.8	115	C	2.8	115	C	1.4	115	C	1.4	115	C	1.6	115	C	2.1	127	C	2.2	127	C	1.9	127	C	1.9	127
2	C	2.6	104	C	2.8	104	C	2.9	104	C	0.9	104	C	0.8	104	C	1.1	104	C	1.7	118	C	1.7	118	C	1.5	118	C	1.2	118
3	A	7.7	166	A	7.8	166	A	7.9	166	A	1.2	166	A	1.3	166	A	1.5	166	A	1.4	166	A	1.5	166	A	1.2	166	A	1.2	166
4	A	2.4	82	A	2.6	82	B	7.1	111	B	0.6	111	B	0.6	111	B	0.7	111	B	0.5	111	B	0.5	111	B	0.5	111	B	0.5	111
5	B	3.4	110	B	3.7	110	B	3.7	110	B	1.5	110	B	1.4	110	B	1.7	110	B	1.7	110	B	1.8	110	B	1.6	110	B	1.6	110
6	A	4.2	118	A	4.6	118	A	4.3	118	A	2.	118	A	2.	118	A	2.3	118	A	2.5	118	A	2.7	118	A	2.5	118	A	2.4	118
7	B	7.5	119	B	7.5	119	B	7.6	119	B	1.	119	B	1.	119	B	1.2	119	B	1.1	119	B	1.2	119	B	1.	119	B	1.	119
8	A	8.9	209	A	9.1	209	A	9.1	209	A	2.8	209	A	2.8	209	A	3.2	209	A	3.7	209	A	4.1	209	A	3.6	209	A	3.5	209
9	B	5.7	117	B	6.1	117	B	6.1	117	B	4.4	117	B	4.3	117	B	4.8	117	B	5.9	117	B	6.2	329	B	5.8	117	B	5.8	117
10	A	2.7	90	A	3.	90	A	3.2	90	A	1.3	97	A	1.3	97	A	1.5	97	A	1.5	97	A	1.7	97	A	1.5	97	A	1.4	97
11	A	8.5	127	A	8.6	127	A	8.7	127	A	1.9	127	A	1.9	127	A	2.4	127	A	2.4	127	A	2.6	127	A	2.3	127	A	2.1	127
12	A	11.1	156	A	11.4	156	A	11.5	156	A	6.5	473	A	6.5	473	A	6.6	473	A	6.1	473	A	6.2	473	A	6.1	473	A	6.1	473
13	A	1.3	82	A	1.3	82	A	1.4	82	B	1.	134	B	0.9	134	B	1.3	134	B	1.2	134	B	1.3	134	B	1.1	134	B	0.9	134
14	A	1.2	62	A	1.3	62	A	1.3	62	A	0.3	62	A	0.3	62	A	0.4	62	A	0.3	62	A	0.3	62	A	0.3	62	A	0.3	62
15	A	3.2	104	A	3.5	104	A	3.5	104	A	0.5	104	A	0.4	104	A	0.6	104	A	0.2	104	A	0.2	104	A	0.2	104	A	0.2	104
16	A	11.7	163	A	12.1	163	A	12.2	163	A	6.5	471	A	6.5	471	A	6.6	471	A	6.2	471	A	6.2	471	A	6.2	471	A	6.1	471
17	A	8.3	138	A	8.4	138	A	8.5	138	A	2.6	138	A	2.4	138	A	3.2	138	A	3.3	138	A	3.6	138	A	3.2	138	A	3.1	138
18	A	7.5	134	A	7.6	134	A	7.7	134	A	1.3	134	A	1.1	134	A	1.4	134	A	1.4	134	A	1.5	134	A	1.3	134	A	1.3	134
19	A	8.4	164	A	8.5	164	A	8.6	164	A	2.7	164	A	2.4	164	A	3.	164	A	3.3	164	A	3.6	164	A	3.2	164	A	3.1	164
20	A	0.5	91	A	0.5	91	A	0.5	91	F	0	0	F	0	0	F	0	0	C	33.	13077	C	18.1	1854	C	19.	1854	C	19.5	2216
21	A	1.	98	A	1.	98	A	1.1	98	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
22	C	2.3	75	C	2.4	75	C	2.2	75	C	19.9	6442	C	19.9	6442	C	20.6	6442	C	36.3	6494	A	0.8	121	A	0.6	121	A	0.7	121
23	A	0.2	88	A	0.2	88	A	0.2	88	A	0.3	88	A	0.2	88	A	0.3	88	C	55.7	6360	C	22.5	612	C	21.4	612	C	23.9	1003
24	A	1.4	111	A	1.5	111	A	1.5	111	A	0.7	111	A	0.6	111	A	0.7	111	A	0.8	111	A	0.9	111	A	0.8	111	A	0.6	111
25	A	30.9	130	A	50.6	130	A	50.7	130	B	7.4	218	B	6.2	218	B	8.6	218	C	33.8	3587	C	11.1	440	C	10.6	440	C	13.5	440
26	A	25.2	97	A	26.	97	A	26.6	97	C	18.4	3174	C	42.	3157	C	64.	7834	C	72.1	7834	C	43.	3157	C	38.2	3157	C	43.4	3157
27	A	4.7	79	A	5.1	79	A	5.1	79	A	13.1	142	A	12.6	142	A	14.6	142	A	13.4	142	A	13.5	142	A	12.8	142	A	12.5	142
28	C	14.4	453	C	14.3	453	C	14.2	453	C	22.9	589	C	20.9	589	C	57.9	5056	C	62.	5056	C	28.3	606	C	26.9	606	C	28.4	617
29	C	8.6	350	C	4.3	350	C	4.3	350	C	22.8	1519	C	21.7	1519	C	36.	15277	C	26.5	15277	C	14.5	3004	C	14.4	3004	C	15.8	3004
30	F	0	0	F	0	0	F	0	0	C	26.8	4270	C	25.5	4270	C	46.4	19668	C	35.3	19668	C	18.5	4270	C	18.4	4270	C	21.4	4270

Table 65 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	C	3.3	170	C	3.5	170	C	3.5	170	C	2.6	249	C	2.4	249	C	2.8	249	C	4.	249	C	3.4	249	C	3.6	295	C	3.3	295
32	C	2.8	257	C	3.	257	C	2.9	257	C	8.2	257	C	7.5	257	C	9.2	257	C	45.2	195	C	42.1	195	C	37.7	195	C	32.9	195
33	A	5.7	148	A	6.2	148	A	6.8	148	A	0.8	148	A	0.8	148	A	0.9	148	A	0.8	148	A	0.9	148	A	0.8	148	A	0.7	148
34	A	9.9	464	A	9.9	464	A	10.	464	A	6.5	464	A	6.5	464	A	6.7	464	A	6.1	464	A	6.2	464	A	6.2	464	A	6.2	464
35	A	11.1	240	A	11.5	240	A	11.6	240	A	5.9	240	A	5.5	240	A	6.6	278	A	6.2	278	A	6.2	278	A	6.2	278	A	6.1	278
36	A	15.	464	A	15.	464	A	15.2	464	A	6.8	464	A	6.7	464	A	7.	464	A	6.2	464	A	6.3	464	A	6.3	464	A	6.2	464
37	A	11.1	532	A	11.	532	A	11.3	532	A	6.8	532	A	6.7	532	A	7.	532	A	6.3	532	A	6.3	532	A	6.3	532	A	6.2	532
38	A	5.	240	A	5.3	240	A	5.3	240	A	2.5	240	A	2.3	240	A	3.4	240	A	3.9	240	A	4.1	240	A	3.6	240	A	2.6	240
39	A	14.2	282	A	14.3	282	A	14.3	282	A	6.6	282	A	6.6	282	A	6.7	282	A	6.2	282	A	6.2	282	A	6.2	282	A	6.2	282
40	C	3.	213	C	3.2	213	C	3.2	213	C	2.	213	C	1.9	213	C	2.3	213	C	43.8	170	C	40.9	170	C	36.3	170	C	32.7	170
41	C	3.2	230	C	3.5	230	C	3.4	230	C	2.1	230	C	1.9	230	C	2.6	230	C	44.7	194	C	41.6	194	C	37.1	194	C	32.4	194
42	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
43	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
44	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
45	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
46	F	0	0	F	0	0	F	0	0	C	56.4	2320	C	51.9	2320	C	94.	20476	C	94.2	20476	C	61.6	6339	C	58.3	5109	C	67.6	2320
47	F	0	0	F	0	0	F	0	0	C	13.9	832	C	13.2	832	C	22.5	7197	F	0	0	F	0	0	F	0	0	C	16.1	839
48	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
49	F	0	0	F	0	0	F	0	0	B	18.3	382	B	17.9	382	B	19.6	382	B	15.8	382	B	16.1	382	B	15.4	382	B	18.3	382
50	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
51	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
52	A	2.4	143	A	2.5	143	A	2.6	143	A	1.6	143	A	1.5	143	A	1.8	143	A	1.8	143	A	1.6	143	A	1.5	143	A	1.4	143
53	A	1.7	96	A	1.8	96	A	1.8	96	A	0.7	96	A	0.7	96	A	0.9	96	A	0.6	96	A	0.5	96	A	0.5	96	A	0.4	96
54	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29
55	A	0.2	53	A	0.3	53	A	0.3	53	A	0.4	53	A	0.3	53	A	0.4	53	A	0.5	53	A	0.5	53	A	0.5	53	A	0.4	53
56	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.	47	A	0.1	37	A	0.2	37	A	0.1	37	A	0.1	37
57	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	84	A	0.	84	A	0.	84	A	0.	84
58	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.	55	A	0.3	38	A	0.3	38	A	0.3	38	A	0.2	38
59	A	0.1	70	A	0.2	70	A	0.2	70	A	0.3	70	A	0.3	70	A	0.4	70	A	0.5	70	A	0.5	70	A	0.4	70	A	0.3	70
60	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.	73	A	0.1	73	A	2.1	48	A	2.2	48	A	2.	48	A	1.9	48
61	A	0.	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.3	51	A	0.3	51	A	0.2	51	A	0.2	62
62	A	0.	82	A	0.	82	A	0.	82	A	0.	82	A	0.	82	A	0.1	82	A	0.7	122	A	0.7	122	A	0.6	122	A	0.6	122
63	A	0.1	58	A	0.1	58	A	0.1	58	A	0.3	55	A	0.3	55	A	0.4	55	A	0.5	100	A	0.6	100	A	0.5	100	A	0.5	100
64	A	0.1	45	A	0.1	45	A	0.1	45	A	0.2	45	A	0.2	45	A	0.2	45	A	0.6	135	A	0.6	135	A	0.6	135	A	0.4	135

Table 65 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
65	A	0.3	93	A	0.3	93	A	0.3	93	A	2.2	78	A	2.1	78	A	2.6	78	A	2.7	150	A	2.8	150	A	2.5	150	A	2.4	150
66	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.1	30	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43
67	A	0.4	71	A	0.4	71	A	0.4	71	A	0.6	71	A	0.6	71	A	0.7	71	B	0.7	275	B	0.7	275	B	0.6	275	B	0.6	275
68	A	0.4	109	A	0.4	109	A	0.4	109	A	6.6	127	A	6.6	127	A	6.8	127	A	3.9	163	A	4.1	163	A	8.	163	B	8.2	192
69	A	0.	30	A	0.	30	A	0.	30	A	0.1	30	A	0.1	30	A	0.1	30	A	0.2	43	A	0.2	43	A	0.1	43	A	0.1	43
70	A	0.2	80	A	0.2	80	A	0.2	80	A	0.3	80	A	0.3	80	A	0.3	80	C	6.1	457	C	6.1	457	C	6.1	457	A	0.3	80
71	A	0.4	38	A	0.4	38	A	0.4	38	A	0.3	38	A	0.3	38	A	0.4	38	A	0.3	38	A	0.3	38	A	0.3	38	A	0.3	38
72	C	0.1	75	C	0.1	75	C	0.1	75	C	0.1	75	C	0.	75	C	0.1	75	A	0.1	61	A	0.1	61	A	0.	61	A	0.	61
73	C	0.1	109	C	0.1	109	C	0.1	109	C	0.	109	C	0.	109	C	0.1	109	A	0.	95	A	0.	95	A	0.	95	A	0.	95
74	A	0.1	135	A	0.1	135	A	0.1	135	A	0.1	135	A	0.	135	A	0.1	135	A	0.	135	A	0.	135	A	0.	135	A	0.	135
75	A	4.7	76	A	5.2	76	A	5.8	76	A	0.5	76	A	0.4	76	A	0.6	76	A	0.3	76	A	0.3	76	A	0.3	76	A	0.3	76
76	A	0.2	57	A	0.2	57	A	0.2	57	A	0.3	57	A	0.3	57	A	0.3	57	A	0.4	57	A	0.4	57	A	0.3	57	A	0.3	57
77	A	5.6	94	A	5.7	94	A	5.6	94	A	0.6	94	A	0.6	94	A	0.8	94	A	0.8	94	A	0.8	94	A	0.7	94	A	0.6	94
78	B	0.3	209	B	0.3	209	B	0.3	209	B	0.1	209	B	0.1	209	B	0.2	209	B	0.1	209	B	0.1	209	B	0.1	209	B	0.1	209
79	B	8.3	252	B	8.7	252	B	8.5	252	B	3.7	252	B	3.5	252	B	4.6	252	B	4.6	252	B	4.9	252	B	4.6	252	B	4.	252
80	A	0.2	20	A	0.3	20	A	0.4	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37
81	A	1.1	126	A	1.2	126	A	1.1	126	A	0.7	126	A	0.6	126	A	0.8	126	A	0.9	126	A	0.9	126	A	0.8	126	A	0.7	126
82	A	1.1	189	A	1.2	189	A	1.1	189	A	0.7	189	A	0.6	189	A	0.8	189	A	0.9	189	A	0.9	189	A	0.8	189	A	0.8	189
83	B	0.4	117	B	0.5	117	B	0.5	117	B	0.5	117	B	0.4	117	B	0.6	117	B	0.8	129	B	0.8	129	B	0.7	129	B	0.7	129
84	B	1.1	364	B	1.3	364	B	1.2	364	B	0.8	364	B	0.8	364	B	1.3	364	B	1.3	364	B	1.4	364	B	1.1	364	B	0.9	364
85	B	1.5	472	B	1.7	472	B	1.6	472	B	1.4	472	B	1.3	472	B	2.2	472	B	2.4	472	B	2.5	472	B	2.1	472	B	1.7	472
86	A	0.6	99	A	0.7	99	A	0.7	99	A	0.6	99	A	0.6	99	A	1.1	99	A	0.9	99	A	1.	99	A	0.9	99	A	0.8	99
87	B	1.4	285	B	1.6	285	B	1.6	285	B	1.6	285	B	1.4	285	B	2.4	285	B	2.5	285	B	2.6	285	B	2.4	285	B	2.3	285
88	B	2.3	286	B	2.6	286	B	2.7	286	B	0.9	286	B	0.9	286	B	1.5	286	B	1.5	286	B	1.5	286	B	1.4	286	B	1.1	286
89	A	0.3	116	A	0.4	116	A	0.4	116	A	0.1	116	A	0.1	116	A	0.2	116	A	0.1	116	A	0.2	116	A	0.1	116	A	0.1	116
90	B	0.5	138	B	0.5	138	B	0.5	138	B	0.3	138	B	0.3	138	B	0.5	138	B	0.5	138	B	0.5	138	B	0.4	138	B	0.4	138
91	B	1.8	272	B	2.	272	B	2.	272	B	2.	272	B	1.9	272	B	2.4	272	B	3.	272	B	3.1	272	B	2.8	272	B	2.8	272
92	A	0.3	51	A	0.3	51	A	0.3	51	A	0.3	51	A	0.3	51	A	0.4	51	A	0.5	51	A	0.5	51	A	0.4	51	A	0.4	51
93	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.1	77	A	0.1	77	A	0.	77	A	0.1	77
94	A	0.2	81	A	0.2	81	A	0.2	81	A	0.2	81	A	0.2	81	A	0.2	81	A	0.2	81	A	0.3	81	A	0.2	81	A	0.2	81
95	B	0.3	267	B	0.3	267	B	0.3	267	B	0.1	267	B	0.1	267	B	0.1	267	B	0.1	267	B	0.1	267	B	0.1	267	B	0.1	267
96	A	0.7	116	A	0.7	116	A	0.7	116	A	1.2	116	A	1.1	116	A	1.5	116	A	1.8	116	A	1.9	116	A	1.6	116	A	1.4	116
97	A	0.5	106	A	0.5	106	A	0.5	106	A	0.9	106	A	0.9	106	A	1.3	106	A	1.5	106	A	1.5	106	A	1.3	106	A	1.1	106
98	A	6.7	148	A	7.	148	A	6.8	148	A	2.2	148	A	2.1	148	A	2.6	148	A	2.9	148	A	2.9	148	A	2.7	148	A	2.6	148



Table 65 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
99	A	7.1	164	A	7.4	164	A	7.3	164	A	3.1	164	A	3.3	164	A	3.6	164	A	4.8	164	A	4.9	164	A	4.5	164	A	4.2	164
100	B	0.3	363	B	0.4	363	B	0.4	363	B	0.2	363	B	0.2	363	B	0.2	363	B	0.1	363	B	0.1	363	B	0.1	363	B	0.1	363
101	A	0.6	86	A	0.7	86	A	0.7	86	A	0.3	86	A	0.3	86	A	0.3	86	A	0.3	86	A	0.3	86	A	0.3	86	A	0.3	86
102	A	1.	93	A	1.1	93	A	1.	93	A	0.5	93	A	0.5	93	A	0.5	93	A	0.7	93	A	0.6	93	A	0.6	93	A	0.5	93
103	B	0.7	124	B	0.8	124	B	0.8	124	B	0.6	124	B	0.5	124	B	0.7	124	B	0.8	124	B	0.8	124	B	0.7	124	B	0.7	124
104	A	1.3	125	A	1.4	125	A	1.3	125	A	1.2	125	A	1.2	125	A	1.8	125	A	2.3	125	A	2.4	125	A	1.9	125	A	1.3	125
105	B	1.5	258	B	1.7	258	B	1.6	258	B	1.6	258	B	1.5	258	B	2.3	258	B	3.	258	B	3.1	258	B	2.8	258	B	2.	258
106	A	1.	86	A	1.1	86	A	1.	86	A	0.6	86	A	0.6	86	A	0.7	86	A	0.8	86	A	0.8	86	A	0.7	86	A	0.6	86
107	B	1.4	181	B	1.5	181	B	1.5	181	B	1.3	181	B	1.2	181	B	1.6	181	B	2.	181	B	2.	181	B	1.8	181	B	1.6	181
108	B	0.7	122	B	0.8	122	B	0.8	122	B	0.3	122	B	0.3	122	B	0.4	122	B	0.4	122	B	0.4	122	B	0.3	122	B	0.3	122
109	A	1.3	309	A	1.4	309	A	1.4	309	A	1.6	309	A	1.5	309	A	1.8	309	A	2.4	309	A	2.5	309	A	2.2	309	A	2.1	309
110	A	5.7	219	A	5.8	219	A	5.8	219	A	0.5	219	A	0.5	219	A	0.6	219	A	0.6	219	A	0.7	219	A	0.6	219	A	0.5	219
111	A	6.4	283	A	6.5	283	A	6.5	283	A	1.4	283	A	1.4	283	A	1.9	283	A	2.2	283	A	2.5	283	A	2.1	283	A	1.7	283
112	A	1.6	87	A	1.8	87	A	1.8	87	A	1.8	87	A	1.7	87	A	2.2	87	A	2.8	87	A	3.	87	A	2.6	87	A	2.1	87
113	A	0.8	190	A	0.9	190	A	0.9	190	A	0.4	190	A	0.4	190	A	0.5	190	A	0.5	190	A	0.6	190	A	0.5	190	A	0.5	190
114	A	2.9	82	A	3.2	82	A	3.2	82	A	2.1	82	A	2.	82	A	2.8	82	A	3.2	82	A	3.3	82	A	2.8	82	A	2.5	82
115	C	4.1	414	C	4.6	414	C	4.7	414	C	5.7	414	C	5.6	414	C	6.2	1327	C	6.1	1327	C	6.1	1327	C	6.1	1327	C	5.8	414
116	A	0.3	97	A	0.3	97	A	0.3	97	A	0.5	97	A	0.4	97	A	0.6	97	A	0.7	97	A	0.9	97	A	0.6	97	A	0.6	97
117	A	0.	86	A	0.	86	A	0.	101	A	0.2	92	A	0.2	92	A	0.2	92	B	0.1	198	B	0.1	198	B	0.1	198	B	0.	198
118	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.	61	B	0.	173	B	0.	173	B	0.	173	B	0.	173
119	A	0.	97	A	0.	97	A	0.	97	A	0.2	88	A	0.2	88	A	0.2	88	B	0.1	325	B	0.1	325	B	0.	325	B	0.1	325
120	A	0.4	99	A	0.4	99	A	0.4	99	A	0.8	99	A	0.7	99	A	1.1	99	A	1.2	99	A	1.4	99	A	1.1	99	A	0.9	99
121	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.2	88	A	0.5	88	A	0.5	88	A	0.4	88	A	0.4	88
122	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.2	48	A	0.7	48	A	0.8	48	A	0.6	48	A	0.6	48
123	A	0.3	38	A	0.3	38	A	0.3	38	A	0.7	38	A	0.7	38	A	1.	38	A	2.3	53	A	2.3	53	A	2.	53	A	1.9	53
124	A	0.	38	A	0.	38	A	0.	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.5	53	A	0.5	53	A	0.4	53	A	0.4	53
125	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.6	38	A	0.6	38	A	0.5	38	A	0.5	38
126	A	0.5	58	A	0.5	58	A	0.6	58	A	1.	59	A	1.	59	A	1.6	59	A	9.1	72	A	9.2	72	A	7.5	72	A	9.	72
127	A	0.2	91	A	0.2	91	A	0.2	91	A	0.3	91	A	0.3	91	A	0.4	91	A	0.5	91	A	0.6	91	A	0.5	91	A	0.4	91
128	A	0.2	100	A	0.2	100	A	0.2	100	A	0.1	100	A	0.1	100	A	0.2	100	A	0.2	100	A	0.2	100	A	0.2	100	A	0.1	100
129	A	0.5	106	A	0.5	106	A	0.5	106	A	0.9	106	A	0.9	106	A	1.2	106	A	1.5	106	A	1.5	106	A	1.3	106	A	1.1	106
130	A	0.3	106	A	0.4	106	A	0.4	106	A	0.7	106	A	0.7	106	A	1.	106	A	1.2	106	A	1.2	106	A	1.1	106	A	0.9	106
131	A	8.9	174	A	9.2	174	A	9.2	174	A	6.	174	B	6.3	607	B	6.4	607	B	6.1	607	B	6.1	607	B	6.1	607	B	6.1	607
132	A	6.3	227	A	6.5	227	A	6.4	227	A	1.4	227	A	1.2	227	A	1.6	227	A	1.8	227	A	1.8	227	A	1.6	227	A	1.6	227

Table 65 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
133	A	0.9	136	A	1.	136	A	1.	136	A	1.6	136	A	1.5	136	A	2.6	136	A	3.	136	A	3.2	136	A	2.7	136	A	1.8	136
134	A	0.4	116	A	0.4	116	A	0.5	116	A	0.9	116	A	0.9	116	A	1.4	116	A	1.8	116	A	1.8	116	A	1.6	116	A	0.7	116
135	A	6.7	168	A	7.	168	A	6.8	168	A	2.1	168	A	2.	168	A	2.3	168	A	2.8	168	A	2.8	168	A	2.6	168	A	2.5	168
136	A	6.4	219	A	6.7	219	A	6.5	219	A	1.5	219	A	1.4	219	A	1.8	219	A	2.	219	A	2.	219	A	1.8	219	A	1.6	219
137	A	1.1	279	A	1.2	279	A	1.2	279	A	1.3	279	A	1.3	279	A	1.7	279	A	2.6	279	A	1.8	279	A	1.7	279	A	0.1	404
138	A	7.2	229	A	7.2	229	A	7.3	229	A	1.8	229	A	1.7	229	A	2.4	229	A	2.1	229	A	2.1	229	A	1.9	229	A	1.8	229
139	B	5.7	375	B	6.6	375	B	6.7	375	B	8.8	375	B	8.9	375	B	19.1	375	B	17.2	375	B	17.9	375	B	17.2	375	B	11.6	375
140	A	1.1	116	A	1.2	116	A	1.1	116	A	0.6	116	A	0.5	116	A	0.7	116	A	0.8	116	A	0.8	116	A	0.7	116	A	0.7	116
141	A	1.7	115	A	1.9	115	A	1.8	115	A	1.5	115	A	1.4	115	A	1.6	115	A	2.1	115	A	2.1	115	A	1.9	115	A	1.8	115
142	A	0.2	164	A	0.2	164	A	0.2	164	A	0.4	164	A	0.3	164	A	0.4	164	F	0	0	F	0	0	F	0	0	F	0	0
143	A	0.4	117	A	0.5	117	A	0.5	117	A	0.8	117	A	0.8	117	A	1.	117	A	1.2	117	A	1.2	117	A	1.1	117	A	1.	117
144	A	0.	114	A	0.	114	A	0.1	114	A	0.2	102	A	0.1	102	A	0.2	102	A	0.1	143	A	0.1	143	A	0.1	143	A	0.1	143
145	A	0.	115	A	0.1	115	A	0.1	115	A	0.2	102	A	0.2	102	A	0.3	102	A	0.1	230	A	0.1	230	A	0.1	230	A	0.1	230
146	A	0.	115	A	0.	115	A	0.3	111	A	0.5	111	A	0.4	111	A	0.5	111	A	0.1	230	A	0.1	230	A	0.1	230	A	0.1	230
147	A	0.	129	A	0.	129	A	0.	129	A	0.2	86	A	0.1	86	A	0.2	86	B	0.1	401	B	0.1	401	B	0.1	401	B	0.1	401
148	A	0.3	68	A	0.3	68	A	0.3	68	A	0.5	68	A	0.4	68	A	0.5	68	A	1.4	89	A	1.5	89	A	1.2	89	A	1.1	124
149	A	0.2	68	A	0.2	68	A	0.2	68	A	0.4	68	A	0.4	68	A	0.5	68	A	1.3	79	A	1.3	79	A	1.1	79	A	1.	79
150	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.4	113	A	0.5	113	A	0.4	113	A	0.4	113
151	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.7	68	A	0.7	68	A	0.7	68	A	0.6	68
152	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.8	68	A	0.9	68	A	0.7	68	A	0.7	68
153	A	0.5	126	A	0.6	126	A	0.5	126	A	0.9	126	A	0.8	126	A	1.4	126	C	6.2	925	C	6.3	925	C	6.2	925	C	6.2	925
154	A	0.2	95	A	0.2	95	A	0.2	95	A	0.4	95	A	0.3	95	A	0.4	95	B	4.3	380	B	4.4	380	B	2.8	380	B	2.6	380
155	A	0.7	102	A	0.8	102	A	0.8	102	A	0.3	102	A	0.3	102	A	0.3	102	A	0.4	102	A	0.4	102	A	0.3	102	A	0.3	102
156	A	1.3	252	A	1.4	252	A	1.3	252	A	0.9	252	A	0.8	252	A	1.2	252	A	1.4	252	A	1.4	252	A	1.2	252	A	1.	252
157	A	1.8	128	A	1.9	128	A	1.9	128	A	1.8	128	A	1.6	128	A	2.5	128	A	3.1	128	A	3.2	128	A	2.8	128	A	2.1	128
158	A	4.3	186	A	4.9	186	A	4.8	186	A	4.7	186	A	4.3	186	A	6.2	263	A	6.1	263	A	6.1	263	A	6.1	263	A	6.	186
159	B	3.5	482	B	3.9	482	B	4.	482	B	4.8	482	B	4.5	482	B	10.6	482	B	12.5	1423	B	13.3	1423	B	12.	1423	B	7.	481
160	A	4.8	317	A	6.	317	A	6.	317	A	6.	317	A	5.1	317	B	6.2	1027	B	6.1	1027	B	6.1	1027	B	6.1	1027	B	6.1	1027
161	A	0.4	82	A	0.5	82	A	0.5	82	A	0.4	82	A	0.3	82	A	0.5	82	A	0.4	82	A	0.5	82	A	0.4	82	A	0.4	82
162	A	0.1	47	A	0.1	47	A	0.1	47	A	0.	47	A	0.	47	A	0.	47	A	0.1	38	A	0.	38	A	0.	38	A	0.	38
163	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	27	A	0.	27	A	0.	27	A	0.	27
164	A	0.6	96	A	0.7	96	A	0.8	96	A	0.5	96	A	0.4	96	A	0.5	96	A	0.5	96	A	0.6	96	A	0.5	96	A	0.5	96
165	B	6.3	211	B	6.4	211	B	6.4	211	B	6.2	211	B	6.1	211	B	6.2	211	B	6.1	211	B	6.1	211	B	6.1	211	B	6.	211
166	A	0.7	111	A	0.7	111	A	0.7	111	A	0.4	111	A	0.4	111	A	0.5	111	A	0.6	111	A	0.6	111	A	0.5	111	A	0.5	111

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#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
167	A	0.5	149	A	0.6	149	A	0.6	149	A	0.7	149	A	0.6	149	A	0.8	149	A	1.3	149	A	1.4	149	A	0.9	149	A	0.9	149
168	A	1.2	224	A	1.3	224	A	1.3	224	A	0.7	224	A	0.6	224	A	1.2	224	A	1.5	224	A	1.6	224	A	1.3	224	A	0.8	224
169	A	0.7	104	A	0.8	104	A	0.8	104	A	0.5	104	A	0.4	104	A	0.6	104	A	0.7	104	A	0.7	104	A	0.6	104	A	0.5	104
170	A	0.6	104	A	0.6	104	A	0.6	104	A	0.4	104	A	0.3	104	A	0.5	104	A	0.7	104	A	0.6	104	A	0.5	104	A	0.4	104
171	A	1.4	72	A	1.6	72	A	1.5	72	A	0.3	72	A	0.3	72	A	0.4	72	A	0.2	72	A	0.2	72	A	0.2	72	A	0.2	72
172	A	1.1	106	A	1.2	106	A	1.2	106	A	0.6	142	A	0.5	142	A	0.7	142	A	0.6	142	A	0.6	142	A	0.5	142	A	0.5	142
173	A	6.2	159	A	6.4	159	A	6.3	159	A	1.6	159	A	1.5	159	A	2.9	159	A	3.3	159	A	4.3	159	A	2.8	159	A	1.6	159
174	A	1.1	224	A	1.3	224	A	1.2	224	A	0.8	224	A	0.7	224	A	1.	224	A	1.2	224	A	1.3	224	A	1.1	224	A	0.9	224
175	A	0.7	106	A	0.8	106	A	0.8	106	A	0.3	106	A	0.3	106	A	0.4	106	A	0.5	106	A	0.5	106	A	0.4	106	A	0.4	106
176	A	0.7	126	A	0.8	126	A	0.8	126	A	0.3	126	A	0.3	126	A	0.4	126	A	0.4	126	A	0.4	126	A	0.3	126	A	0.3	126
177	B	1.1	352	B	1.2	352	B	1.1	352	B	0.7	352	B	0.6	352	B	1.	352	B	1.3	352	B	1.3	352	B	1.1	352	B	0.7	352
178	A	0.6	185	A	0.7	185	A	0.7	185	A	0.3	185	A	0.3	185	A	0.5	185	A	0.5	185	A	0.6	185	A	0.5	185	A	0.3	185
179	A	0.8	185	A	0.9	185	A	0.9	185	A	0.3	185	A	0.3	185	A	0.5	185	A	0.3	185	A	0.3	185	A	0.3	185	A	0.2	185
180	A	1.1	166	A	1.2	166	A	1.2	166	A	0.5	166	A	0.5	166	A	0.8	166	A	1.	166	A	1.	166	A	0.8	166	A	0.6	166
181	A	0.	141	A	0.	141	A	0.3	136	A	0.5	123	A	0.4	123	A	0.6	123	B	6.1	246	B	6.1	246	B	6.1	246	B	6.1	246
182	A	0.	120	A	0.	120	A	0.2	115	A	0.3	106	A	0.2	106	A	0.3	106	B	6.1	234	B	6.1	234	B	6.1	234	B	5.5	234
183	C	0.	86	C	0.	86	C	0.	86	C	0.2	76	C	0.2	76	C	0.3	76	B	6.	284	B	6.	284	B	6.	284	B	6.	284
184	A	0.6	84	A	0.6	84	A	0.6	84	A	1.2	84	A	1.2	84	A	1.5	84	A	6.1	209	A	6.	209	A	6.	209	A	6.	209
185	A	6.	133	A	6.	133	A	6.	133	A	6.1	133	A	6.1	133	A	6.1	133	B	6.1	652	B	6.1	652	B	6.1	652	B	6.1	652
186	A	0.2	54	A	0.2	54	A	0.2	54	A	0.3	54	A	0.2	54	A	0.3	54	A	0.6	115	A	0.6	115	A	0.5	115	A	0.5	115
187	A	0.1	63	A	0.2	63	A	0.2	63	A	0.2	63	A	0.2	63	A	0.4	63	A	1.6	120	A	1.6	120	A	1.5	120	A	1.4	120
188	A	6.1	133	A	6.1	133	A	6.1	133	A	6.1	133	A	6.1	133	A	6.1	133	A	3.	373	A	3.	373	A	3.	373	A	3.1	373
189	A	0.6	101	A	0.7	101	A	0.7	101	A	1.	101	A	0.9	101	A	1.3	101	B	2.6	342	B	2.7	342	B	2.6	342	B	2.6	342
190	A	0.5	92	A	0.7	92	A	0.6	92	A	0.9	92	A	0.9	92	A	2.4	92	B	0.5	340	B	0.5	340	B	0.5	340	B	0.4	340
191	A	0.4	92	A	0.4	92	A	0.4	92	A	0.5	92	A	0.5	92	A	1.2	92	B	2.6	317	B	2.6	317	B	2.6	317	B	2.5	317
192	A	0.7	92	A	0.7	92	A	0.7	92	A	1.	92	A	1.	92	A	2.4	92	B	0.5	340	B	0.5	340	B	0.4	340	B	0.3	340
193	A	6.1	189	A	6.1	189	A	6.1	189	A	6.1	189	A	6.1	189	A	6.1	189	A	6.2	189	A	2.8	374	A	2.8	374	A	2.7	374
194	A	1.5	122	A	1.6	122	A	1.7	122	A	2.6	122	A	2.4	122	A	3.5	122	B	3.1	417	B	3.2	417	B	3.1	417	B	3.3	417
195	A	3.3	116	A	3.5	116	A	3.5	116	A	5.9	116	A	5.8	116	A	6.1	122	A	5.6	367	A	5.7	367	A	5.6	367	A	5.7	367
196	A	0.8	165	A	0.9	165	A	0.9	165	A	1.3	165	A	1.3	165	A	1.8	165	A	3.1	417	A	3.1	417	A	3.1	417	A	3.1	417
197	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	F	0	0	F	0	0	F	0	0	A	0.1	76
198	A	0.	61	A	0.	61	A	0.	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	F	0	0	F	0	0	F	0	0
199	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61
200	C	15.3	1338	C	15.6	1338	C	15.6	1338	C	33.5	208404	C	33.4	208404	C	33.9	208404	C	33.8	208404	C	34.	208404	C	33.7	208404	C	33.5	208404

Table 65 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
201	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
202	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
203	A	0.5	75	A	0.5	75	A	0.5	75	A	0.7	130	A	0.7	130	A	1.	130	A	1.	130	A	1.	130	A	0.9	130	A	0.8	130
204	A	0.3	52	A	0.3	52	A	0.3	52	A	0.4	46	A	0.4	46	A	0.5	46	A	0.5	46	A	0.5	46	A	0.4	46	A	0.3	46
205	A	2.8	104	A	3.	104	A	3.1	104	C	1.9	451	C	1.7	451	C	3.3	451	C	2.8	451	C	2.8	451	C	2.5	451	B	1.7	348
206	A	0.8	99	A	0.8	99	A	0.9	99	A	0.7	64	A	0.7	64	A	0.9	64	A	0.9	64	A	1.	64	A	0.8	67	A	0.6	67
207	A	0.6	33	A	0.6	33	A	0.6	33	B	0.4	85	B	0.3	85	B	0.5	85	B	0.2	85	B	0.2	85	B	0.2	85	B	0.2	85
208	A	0.2	70	A	0.2	70	A	0.2	70	A	0.4	70	A	0.3	70	A	0.5	70	A	1.6	162	A	2.	162	A	1.3	162	A	1.2	162
209	A	0.2	91	A	0.2	91	A	0.2	91	A	0.3	91	A	0.3	91	A	0.3	91	A	0.4	101	A	0.4	101	A	0.4	101	A	0.4	101
210	A	0.2	53	A	0.2	53	A	0.2	53	A	0.3	53	A	0.2	53	A	0.4	53	A	0.6	150	A	0.7	150	A	0.6	150	A	0.5	150
211	A	0.3	135	A	0.3	135	A	0.3	135	A	0.5	135	A	0.5	135	A	0.6	135	A	2.	192	A	2.2	192	A	1.8	192	A	1.3	192
212	A	0.	44	A	0.1	44	A	0.	44	A	0.1	44	A	0.1	44	A	0.1	44	B	0.2	126	B	0.2	126	B	0.2	126	B	0.2	126
213	A	0.5	142	A	0.6	142	A	0.6	142	A	0.9	142	A	0.8	142	A	1.1	142	A	3.1	384	A	3.1	384	A	3.	384	A	3.3	384
214	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.2	69	B	0.4	153	B	0.4	153	B	0.3	153	B	0.3	153
215	A	0.5	132	A	0.5	132	A	0.5	132	A	0.8	132	A	0.8	132	A	1.	132	C	6.3	1361	C	6.3	1361	C	6.3	1361	C	6.3	1361
216	A	0.2	93	A	0.2	93	A	0.2	93	A	0.3	93	A	0.3	93	A	0.5	93	A	1.6	125	A	1.7	125	A	1.5	125	A	1.4	125
217	A	0.1	76	A	0.1	76	A	0.1	76	A	0.2	76	A	0.2	76	A	0.3	76	F	0	0	F	0	0	F	0	0	F	0	0
218	A	0.2	111	A	0.2	111	A	0.2	111	A	0.4	111	A	0.3	111	A	0.5	111	F	0	0	C	104.5	22561	C	93.4	19521	C	111.7	27531
219	A	0.2	119	A	0.2	119	A	0.2	119	A	0.3	119	A	0.3	119	A	0.4	119	A	5.	166	A	5.	166	A	4.5	166	A	5.	166
220	A	0.1	83	A	0.1	83	A	0.1	83	A	0.2	83	A	0.2	83	A	0.2	83	A	3.1	123	A	3.2	123	A	2.8	123	A	3.4	123
221	F	0	0	F	0	0	F	0	0	B	11.	839	B	8.8	798	B	23.1	4377	B	21.9	4377	B	11.	846	B	14.2	897	B	12.2	897
222	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
223	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74
224	A	1.1	157	A	1.2	157	A	1.2	157	A	0.9	157	A	0.9	157	A	1.6	157	A	1.8	157	A	1.9	157	A	1.6	163	A	1.3	163
225	A	1.8	289	A	1.7	289	A	1.7	289	A	2.2	289	A	2.	289	A	2.9	289	A	3.3	289	A	3.4	289	A	2.7	314	A	5.5	314
226	A	0.3	92	A	0.2	92	A	0.3	92	A	0.3	92	A	0.3	92	A	0.4	92	A	0.4	92	A	0.4	92	A	0.4	92	A	0.3	92
227	A	0.1	77	A	0.1	77	A	0.1	77	A	0.2	77	A	0.2	77	A	0.2	77	A	0.3	77	A	0.3	77	A	0.3	77	A	0.3	77
228	C	0.2	153	C	0.2	153	C	0.2	153	C	0.1	153	C	0.1	153	C	0.1	153	A	0.1	158	A	0.1	158	A	0.	158	A	0.1	158
229	A	1.4	319	A	1.5	319	A	1.4	319	A	0.9	319	A	0.9	319	A	1.1	319	A	1.4	319	A	1.4	319	A	1.3	319	A	1.2	319
230	A	6.5	252	A	6.6	252	A	6.6	252	A	6.2	252	A	6.2	252	A	6.2	252	A	6.1	252	A	6.1	252	A	6.1	252	A	6.1	252
231	A	2.1	408	A	2.2	408	A	2.1	408	A	2.1	408	A	1.9	408	A	3.8	408	A	4.	408	A	5.	408	A	2.8	408	A	2.8	408
232	A	6.3	403	A	6.4	403	A	6.4	403	A	6.2	403	A	6.2	403	A	6.3	403	A	6.3	403	A	6.2	403	A	6.2	403	A	6.2	403
233	B	7.4	1250	B	7.6	1250	B	7.3	1250	B	10.5	1250	B	10.5	1250	B	15.9	1294	B	17.1	1294	B	17.2	1294	B	16.5	1320	B	20.7	1371
234	A	2.	274	A	2.2	274	A	2.2	274	A	3.3	274	A	3.2	274	A	5.	274	A	6.9	274	A	7.1	274	A	6.	302	A	4.8	302

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#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
235	A	1.6	176	A	1.6	176	A	1.7	176	A	1.9	176	A	1.8	176	A	4.1	176	A	5.2	176	A	5.3	176	A	4.1	176	A	2.5	176
236	C	15.	473	C	15.4	473	C	15.4	473	C	6.1	473	C	6.1	473	C	6.8	593	C	6.7	593	C	15.5	2312	C	15.3	2312	C	6.6	593
237	A	9.2	382	A	9.7	382	A	10.	382	A	12.9	382	A	12.3	382	A	15.8	382	A	21.3	382	A	25.4	382	A	26.9	326	A	25.7	326
238	C	2.9	521	C	3.1	521	C	3.2	521	C	4.3	521	C	4.	521	C	5.2	521	C	6.7	521	C	15.9	2373	C	15.6	2192	C	6.8	654
239	C	3.7	460	C	3.9	460	C	3.9	460	C	5.8	460	C	5.5	460	C	6.9	597	C	6.8	597	C	15.6	2316	C	15.3	2135	C	6.5	597
240	C	7.	647	C	7.2	647	C	7.2	647	C	6.7	647	C	6.6	647	C	6.8	647	C	6.7	647	C	15.7	2366	C	14.9	2185	C	6.4	647
241	A	3.9	275	A	4.1	275	A	4.2	275	A	5.6	275	A	5.3	275	A	6.5	275	A	8.6	275	A	9.	275	A	8.3	275	A	8.	275
242	C	3.7	468	C	4.	468	C	4.	468	C	6.3	468	C	5.9	468	C	6.9	636	C	6.8	636	C	15.6	2355	C	15.4	2174	C	6.7	636
243	A	4.6	211	A	4.8	211	A	5.	211	A	6.8	211	A	6.3	211	A	8.5	211	A	11.3	211	A	11.7	211	B	8.8	659	B	9.4	659
244	C	6.6	622	C	6.7	622	C	6.6	622	C	6.8	622	C	6.7	622	C	7.	622	C	6.9	622	C	15.7	2341	C	15.4	2160	C	6.5	622
245	C	6.5	680	C	6.5	680	C	6.5	680	C	6.7	680	C	6.7	680	C	7.	680	C	6.9	680	C	15.8	2399	C	15.4	2218	C	6.6	680
246	A	0.2	167	A	0.3	167	A	0.3	167	A	0.4	167	A	0.3	167	A	0.4	167	A	0.8	146	A	0.9	146	A	0.8	146	A	0.8	146
247	A	0.2	94	A	0.2	94	A	0.2	94	A	0.4	94	A	0.3	94	A	0.5	94	A	0.5	94	A	0.6	94	A	0.5	94	A	0.4	94
248	A	0.1	105	A	0.2	105	A	0.2	105	A	0.3	105	A	0.3	105	A	0.4	105	A	0.5	105	A	0.5	105	A	0.4	105	A	0.4	105
249	A	0.	81	A	0.	81	A	0.	96	A	0.3	87	A	0.2	87	A	0.4	87	A	0.1	149	A	0.1	149	A	0.	149	A	0.	149
250	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	A	0.	65	B	0.	233	B	0.	233	B	0.	233	B	0.	233
251	A	0.	97	A	0.	97	A	0.	97	A	0.1	88	A	0.1	88	A	0.1	88	B	0.	385	B	0.	385	B	0.	385	B	0.	385
252	A	0.	142	A	0.	142	A	0.	142	A	0.1	142	A	0.1	142	A	0.1	142	A	0.1	175	A	0.1	175	A	0.1	175	A	0.1	175
253	A	0.2	103	A	0.2	103	A	0.2	103	A	0.3	103	A	0.3	103	A	0.4	103	A	0.6	150	A	0.7	150	A	0.6	150	A	0.5	150
254	A	1.3	264	A	1.4	264	A	1.4	264	A	2.3	264	A	2.1	264	A	4.3	264	A	8.	394	A	9.	394	A	7.	394	A	4.6	394
255	A	1.	225	A	1.	225	A	1.	225	A	1.6	225	A	1.4	225	A	2.5	225	A	7.6	324	A	8.6	324	A	6.3	324	A	3.3	324
256	A	0.2	97	A	0.2	97	A	0.2	97	A	0.2	97	A	0.2	97	A	0.3	97	B	2.5	371	B	2.8	371	B	2.4	371	B	1.5	371
257	A	6.5	337	A	6.6	337	A	6.6	337	A	6.2	337	A	6.2	337	A	6.2	337	A	6.2	337	A	6.1	337	A	6.1	337	A	6.1	337
258	A	0.7	351	A	0.7	351	A	0.8	351	A	1.2	351	A	0.2	351	A	1.6	351	A	1.8	351	A	1.8	351	A	1.	351	A	1.6	351
259	A	5.9	531	A	6.3	531	A	6.5	531	A	9.4	531	A	9.2	531	B	14.8	1223	B	15.6	1223	B	15.6	1223	B	15.2	1248	B	16.6	1112
260	A	2.2	215	A	2.3	215	A	2.3	215	A	2.9	215	A	2.9	215	A	5.9	215	A	6.3	284	A	6.2	284	A	6.2	284	A	4.1	215
261	A	1.4	448	A	1.5	448	A	1.5	448	A	2.	448	A	1.8	448	A	2.9	448	A	3.1	448	A	4.5	448	A	2.9	448	A	2.7	448
262	C	8.4	1906	C	8.5	1906	C	8.6	1906	C	7.	1906	C	7.	1906	C	7.1	1906	C	7.3	1906	C	7.4	1906	C	7.3	1906	C	7.3	1906
263	C	0.3	127	C	0.3	127	C	0.3	127	C	0.5	127	C	0.5	127	C	0.6	127	C	0.7	142	C	0.8	142	C	0.7	142	C	0.7	142
264	A	0.1	66	A	0.1	66	A	0.2	66	A	0.2	66	A	0.2	66	A	0.3	66	A	0.4	72	A	0.4	72	A	0.3	72	A	0.3	72
265	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34
266	A	1.1	146	A	1.1	146	A	1.1	146	A	1.2	146	A	1.2	146	A	1.5	146	A	1.9	146	A	2.1	146	A	1.8	173	A	1.5	173
267	B	7.	430	B	7.1	430	B	7.1	430	B	6.3	430	B	6.3	430	B	6.4	430	B	6.2	430	B	6.2	430	B	6.2	430	B	6.2	430
268	A	1.1	204	A	1.2	204	A	1.2	204	A	1.6	204	A	1.6	204	A	3.9	204	A	5.4	204	A	5.6	204	A	5.	204	A	2.2	204

Table 65 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
269	A	0.4	128	A	0.4	128	A	0.4	128	A	0.7	128	A	0.7	128	A	0.9	128	A	0.9	181	A	1.	181	A	0.9	181	A	0.7	181
270	A	2.4	403	A	2.5	403	A	2.4	403	A	3.4	403	A	3.6	403	A	6.6	403	A	7.9	403	A	9.5	403	A	5.6	427	A	4.4	427
271	A	6.4	379	A	6.4	379	A	6.4	379	A	6.2	379	A	6.2	379	A	6.2	379	A	6.2	379	A	6.2	379	A	6.2	379	A	6.2	379
272	B	1.	504	B	1.	504	B	1.	504	B	1.5	504	B	1.4	504	B	1.9	504	B	2.5	504	B	2.6	504	B	2.3	504	B	2.3	504
273	A	1.6	356	A	1.8	356	A	1.8	356	A	1.7	356	A	1.5	356	A	2.3	356	A	3.1	356	A	3.4	356	A	2.8	356	A	2.2	356
274	A	2.9	261	A	3.2	261	A	2.9	261	A	3.3	261	A	3.1	261	A	4.7	261	A	6.2	314	A	6.2	314	A	6.1	261	A	6.1	314
275	A	0.9	195	A	1.	195	A	0.9	195	A	1.5	195	A	1.4	195	A	1.9	195	A	2.6	195	A	2.7	195	A	2.2	197	A	2.4	197
276	A	2.	212	A	2.2	212	A	2.2	212	A	3.2	212	A	3.	212	A	5.4	212	C	6.5	542	C	6.5	542	C	6.5	542	A	6.4	330
277	A	1.4	198	A	1.5	198	A	1.5	198	A	2.6	198	A	2.7	198	A	5.1	198	C	6.4	522	C	6.4	522	C	6.4	522	A	6.3	311
278	A	1.	187	A	1.2	187	A	1.2	187	A	1.9	187	A	1.8	187	A	4.3	187	C	6.4	508	C	6.4	508	C	6.3	508	A	1.6	269
279	A	1.9	220	A	2.1	220	A	2.	220	A	3.	220	A	2.9	220	A	5.4	220	C	6.4	521	C	6.4	521	C	6.3	521	A	4.3	280
280	A	4.1	234	A	4.3	234	A	4.4	234	A	6.2	257	A	6.2	257	A	6.3	257	C	6.4	565	C	6.4	565	C	6.4	565	A	6.3	354
281	C	52.9	1550	C	45.5	1550	C	45.4	1550	C	27.9	1550	C	27.4	1550	C	36.7	2293	C	37.6	2385	C	25.6	1550	C	25.5	1563	C	25.4	1563
282	C	30.9	1953	C	24.	1953	C	24.	1953	C	27.1	1953	C	25.9	1953	C	33.3	2153	C	34.1	2153	C	22.	1417	C	19.6	1456	C	22.3	1456
283	C	29.1	790	C	19.	790	C	19.2	790	C	27.4	867	C	27.2	867	C	30.7	1261	C	31.5	1261	C	19.6	867	C	18.	883	C	21.2	883
284	C	29.5	824	C	19.9	824	C	20.1	824	C	27.1	824	C	26.9	824	C	30.5	1218	C	31.5	1218	C	20.9	824	C	18.6	839	C	21.7	839
285	C	18.5	783	C	13.8	783	C	14.	783	C	16.6	783	C	16.5	783	C	28.7	1178	C	29.	1178	C	17.6	783	C	16.6	799	C	17.3	799
286	C	31.4	1587	C	24.5	1587	C	25.6	1587	C	28.2	1587	C	28.1	1587	C	38.8	2424	C	38.2	2424	C	27.1	1587	C	23.6	1601	C	24.4	1601
287	C	28.8	1184	C	20.7	1184	C	20.8	1184	C	23.8	1184	C	23.4	1184	C	29.	1184	C	29.6	1184	C	16.6	785	C	16.2	798	C	17.7	798
288	C	49.3	1623	C	48.	1623	C	48.2	1623	C	27.6	1623	C	27.7	1626	C	41.5	2886	C	40.8	2886	C	34.2	1788	C	32.4	1801	C	30.7	1642
289	C	23.7	1645	C	24.	1645	C	24.2	1645	C	24.9	1645	C	24.6	1648	C	38.9	2907	C	37.3	2907	C	30.2	1810	C	30.1	1823	C	24.3	1664
290	C	63.8	1898	C	48.7	1898	C	48.7	1898	C	28.8	1898	C	29.1	1901	C	41.4	2370	C	40.8	2370	C	31.	1351	C	30.	1361	C	30.7	1351
291	C	23.9	1776	C	24.1	1776	C	24.3	1776	C	25.8	1776	C	25.4	1779	C	38.8	3037	C	40.2	3037	C	31.2	1940	C	31.4	1953	C	29.4	1795
292	C	21.6	1279	C	22.3	1279	C	22.1	1279	C	78.6	1279	C	75.4	1285	C	110.2	2347	C	174.	2347	F	0	0	C	179.7	1447	C	135.6	1288
293	C	23.5	717	C	17.9	717	C	17.9	717	C	16.7	717	C	16.4	717	C	24.7	717	C	19.3	717	C	18.	311	C	17.5	311	C	19.3	311
294	A	0.1	56	A	0.1	56	A	0.2	56	A	0.	56	A	0.	56	A	0.1	56	A	0.	56	A	0.	56	A	0.	56	A	0.	56
295	A	0.2	68	A	0.2	68	A	0.2	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.	68	A	0.	68	A	0.	68	A	0.	68
296	A	0.7	58	A	0.7	58	A	0.7	58	A	0.2	58	A	0.2	58	A	0.3	58	A	0.3	58	A	0.3	58	A	0.2	58	A	0.2	58
297	A	0.7	91	A	0.8	91	A	0.8	91	A	0.6	91	A	0.6	91	A	0.8	91	A	0.8	91	A	0.8	91	A	0.7	92	A	0.7	92
298	A	2.2	203	A	2.4	203	A	2.3	203	A	2.6	203	A	2.4	203	A	4.7	203	A	4.8	203	A	5.2	203	A	4.5	203	A	6.2	252
299	A	2.1	212	A	2.3	212	A	2.2	212	A	3.5	212	A	3.2	212	A	6.1	212	A	6.2	272	A	6.2	272	A	6.2	272	A	6.2	272
300	A	0.	74	A	0.	74	A	0.	74	A	0.1	74	A	0.1	74	A	0.1	74	B	6.	207	B	6.1	207	A	5.2	101	A	5.4	101
301	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.	74	A	0.	74	B	6.	207	B	6.	207	A	5.1	101	A	5.3	101
302	A	0.3	140	A	0.3	140	A	0.3	140	A	0.6	140	A	0.6	140	A	0.6	140	A	4.7	224	A	4.8	224	A	4.4	224	A	4.1	224

Table 65 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
303	A	0.4	157	A	0.4	157	A	0.4	157	A	0.6	157	A	0.6	157	A	0.9	157	A	5.	236	A	4.8	236	A	4.9	236	A	4.5	236
304	A	0.2	158	A	0.2	158	A	0.2	158	A	0.3	158	A	0.3	158	A	0.4	158	A	2.2	206	A	2.2	206	A	2.	206	A	2.	206
305	A	0.2	54	A	0.2	54	A	0.2	54	A	0.2	54	A	0.2	54	A	0.3	54	B	0.5	141	B	0.5	141	B	0.5	141	B	0.5	141
306	A	0.3	227	A	0.4	227	A	0.4	227	A	0.5	227	A	0.5	227	A	1.	227	A	1.4	262	A	1.4	262	A	1.2	262	A	1.	262
307	A	0.2	111	A	0.2	111	A	0.2	111	A	0.3	111	A	0.3	111	A	0.4	111	A	0.5	141	A	0.6	141	A	0.5	141	A	0.3	141
308	A	0.6	218	A	0.6	218	A	0.6	218	A	1.	218	A	0.9	218	A	1.2	218	A	2.3	498	A	2.8	498	A	2.1	498	A	1.3	498
309	A	0.1	80	A	0.1	80	A	0.1	80	A	0.2	99	A	0.2	99	A	0.3	99	A	0.3	99	A	0.3	99	A	0.2	99	A	0.2	99
310	A	0.4	154	A	0.4	154	A	0.4	154	A	0.8	197	A	0.8	197	A	1.1	197	A	1.2	197	A	1.2	197	A	1.1	197	A	1.1	197
311	A	0.9	178	A	1.	178	A	1.	178	A	1.4	178	A	1.3	178	A	2.6	178	A	1.	146	A	1.	146	A	0.9	146	A	0.8	146
312	A	5.9	542	A	6.1	542	A	6.1	542	A	6.2	766	A	6.2	766	A	6.3	766	C	6.8	1293	C	6.8	1293	C	6.8	1293	A	4.8	898
313	B	42.4	5113	B	27.1	5113	B	27.2	5113	B	30.7	5113	B	29.8	5101	B	44.4	9549	B	43.7	9549	B	19.1	971	B	17.1	1305	B	19.	1305

## 2.64 4\_Trig\_functions\4.1aSine\4.1.2.3(gsin)^p(a+bsin)^m(c+dsin)^n

Table 66: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.3 77	A 0.3 77	A 0.3 77	A 0.1 77	A 0.1 77	A 0.2 77	A 0.2 77	A 0.2 77	A 0.2 77	A 0.2 77	A 0.2 77
2	B 0.2 172	B 0.3 172	B 0.3 172	B 0.1 172	B 0.1 172	B 0.1 172	B 0.1 172	B 0.1 172	B 0.1 172	B 0.1 172	B 0.1 172
3	A 0.2 133	A 0.2 133	A 0.2 133	A 0.3 133	A 0.3 133	A 0.4 133	C 6.7 232	C 36.7 58053	C 36.7 58053	C 6. 232	C 4.7 133
4	A 0.2 132	A 0.2 132	A 0.2 132	A 0.3 132	A 0.3 132	A 0.3 132	C 7. 234	C 30.6 58056	C 30.5 58056	C 5.4 234	C 4. 132
5	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.2 46	A 0.2 46	A 0.2 46	A 0.2 46	A 0.1 62
6	C 3.4 662	C 3.8 662	C 3.7 662	C 56.4 661	C 55.8 661	C 66. 661	C 74.1 908	C 73.9 908	C 71.9 908	F 0 0	C 64.6 662
7	A 8.7 289	A 9. 289	A 9. 289	C 40.3 99621	C 40.4 99997	C 41.5 99997	C 40. 99997	C 48.9 663005	C 48.1 663005	C 38.8 99997	C 38.5 289
8	C 8.3 611	C 8.3 611	C 8.1 611	C 6.7 611	C 6.6 611	C 6.9 611	C 6.6 611	C 15.4 2330	C 15. 2149	C 6.5 611	C 30.9 611
9	C 6.8 462	C 7.1 462	C 7. 462	C 6.6 625	C 6.5 625	C 6.9 625	C 6.6 625	C 15.5 2344	C 14.1 2163	C 6.3 625	C 30.7 462
10	B 29.8 4464	B 30.1 4464	B 30. 4464	B 35.3 5708	B 35.1 5708	B 38.8 5708	B 37.9 5708	B 38.3 5708	B 36.5 5708	B 37.9 5708	B 29.6 4464
11	A 1.9 374	A 1.8 374	A 1.8 374	A 2.5 374	A 2.6 374	A 3.1 374	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0



## 2.65 4\_Trig\_functions\4.1aSine\4.1.3.1(a+bsin)^m(c+dsin)^n(A+Bsin)

Table 67: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 1. 204	A 1.1 204	A 1.1 204	A 1.6 204	A 1.6 204	A 1.9 204	C 39.1 25571	C 37.1 25571	C 35.6 25571	C 35.2 16097	C 41. 204
2	A 0.7 145	A 0.7 145	A 0.7 145	C 4. 392	C 3.9 392	C 5.3 392	C 6.3 392	C 6.3 392	C 5.6 392	C 5. 392	F 0. 145
3	A 2.6 220	A 2.8 220	A 2.8 220	A 1.5 212	A 1.3 212	A 1.8 212	F 0 0	F 0 0	F 0 0	F 0 0	F 0. 220
4	B 25.5 478	B 21.6 478	B 21.5 478	B 15.4 478	B 15.5 478	B 18.7 478	B 19.3 575	B 16.4 575	B 16.2 575	B 20.3 575	B 41. 478
5	B 24.8 523	B 27.4 523	B 26.6 523	B 21.3 523	B 13.4 523	B 23.1 1568	B 18.4 1568	B 15.3 523	B 14.1 579	B 14.5 519	B 8. 523
6	A 5.7 163	A 6.1 163	A 6. 163	A 1.6 163	A 1.6 163	A 2.4 163	A 2. 163	A 2.1 163	A 1.7 163	A 1.3 163	A 1. 163
7	A 7.1 137	A 7.2 137	A 7.1 137	A 1.1 137	A 1.1 137	A 1.4 137	A 1.1 137	A 1.1 137	A 0.9 137	A 0.8 137	A 0. 137
8	A 0.7 115	A 0.8 115	A 0.8 115	A 0.9 67	A 0.9 67	A 1.1 67	A 0.9 67	A 0.9 67	A 0.8 70	A 0.6 70	A 0. 115
9	B 11.3 278	B 11.3 278	B 11.3 278	B 0.8 278	B 0.7 278	B 1. 278	B 0.7 278	B 0.7 278	B 0.6 278	B 0.5 278	B 0. 278
10	A 10. 285	A 10.6 285	A 9.6 285	A 1.6 285	A 1.6 285	A 3.1 285	A 3.3 285	A 3.3 285	A 3. 285	A 1.7 285	C 6. 285
11	A 12.7 313	A 13.1 313	A 11.2 313	A 3.6 313	A 3.6 313	A 5.5 313	A 6.2 326	A 6.2 326	A 6. 313	A 4.4 313	C 6. 313
12	A 11.6 223	A 11.7 223	A 11.7 223	A 1.4 223	A 1.4 223	A 2.3 223	A 2.6 223	A 2.7 223	A 2.4 228	A 1.3 228	A 1. 223
13	B 12.6 313	B 12.5 313	B 12.6 313	B 2.9 313	B 2.9 313	B 4.6 313	B 4.9 313	B 5.7 313	B 4.1 313	B 3.8 313	C 6. 313
14	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0.1 35	A 0.1 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35
15	A 11.5 311	A 11.5 311	A 11.5 311	A 1.3 311	A 1.3 311	A 1.8 311	A 1.3 311	A 1.3 311	A 1.2 311	A 1.1 311	A 1. 311
16	B 11.2 234	B 11.2 234	B 11.2 234	B 0.6 234	B 0.6 234	B 0.8 234	B 0.5 234	B 0.5 234	B 0.5 234	B 0.4 234	B 0. 234
17	A 1.7 110	A 1.9 110	A 1.4 110	A 0.5 110	A 0.5 110	A 0.6 110	A 0.4 110	A 0.4 110	A 0.4 110	A 0.3 110	A 0. 110
18	B 5.9 373	B 6.3 373	B 4.2 373	B 1.4 373	B 1.4 373	B 4.2 373	B 3.9 373	B 3.3 373	B 2.7 373	B 0.9 373	C 6. 373
19	A 4. 149	A 4.3 149	A 4.3 149	A 3. 149	A 3. 149	A 4.2 149	A 4.7 149	A 4.9 149	A 4.6 149	A 3. 149	A 2. 149
20	A 3. 123	A 3.2 123	A 3.1 123	A 1.5 123	A 1.5 123	A 2.2 123	A 2.6 123	A 2.4 123	A 1.7 123	A 1.6 123	A 1. 123
21	A 4.4 199	A 4.8 199	A 4.8 199	A 2.4 199	A 2.4 199	A 3. 199	C 3.6 223	C 3.8 223	C 3.3 223	C 3.4 223	C 2. 199
22	A 10.7 143	A 11.2 143	A 11.6 143	B 6.7 1351	B 6.7 1351	B 6.9 1351	B 6.1 1351	B 6.1 1351	B 6.1 1351	B 6.1 1351	B 6. 143
23	A 11.9 134	A 12. 134	A 11.9 134	A 1.8 134	A 1.8 134	A 2.4 134	A 2.3 134	A 2.4 134	A 2.2 134	A 2.1 134	A 1. 134
24	C 2.5 404	C 2.7 404	C 2.6 404	C 0.9 404	C 0.9 404	C 1.2 404	C 1. 404	C 1. 404	C 0.9 404	C 0.9 404	C 0. 404
25	A 12.3 176	A 13. 176	A 12.7 176	B 6.9 953	B 6.9 953	B 7.2 953	B 6.3 953	B 6.3 953	B 6.3 953	B 6.2 953	B 6. 176
26	C 2.8 300	C 3.1 300	C 2.8 300	C 0.9 300	C 0.9 300	C 1.2 300	C 1. 300	C 1. 300	C 0.9 300	C 0.9 300	C 0. 300
27	C 2.7 147	C 2.9 147	C 2.9 147	C 1.3 147	C 1.3 147	C 1.6 147	C 2.2 177	C 2.1 177	C 1.9 177	C 2. 177	C 1. 147
28	A 4.9 172	A 5.2 172	A 5.1 172	A 1.7 172	A 1.8 172	A 2.5 172	A 2.6 172	A 2.5 172	A 2.2 172	A 1.8 172	A 1. 172
29	A 4.1 136	A 4.4 136	A 4.4 136	A 0.7 136	A 0.7 136	A 1.1 136	A 0.6 136	A 0.6 136	A 0.6 138	A 0.5 138	A 0. 136
30	A 11.6 123	A 11.6 123	A 11.6 123	A 1.4 123	A 1.4 123	A 1.8 123	A 1.5 123	A 1.5 123	A 1.4 123	A 1.3 123	A 1. 123

Table 67 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	A	8.7	177	A	8.9	177	A	11.7	177	A	1.6	177	A	1.6	177	A	2.	177	A	1.8	177	A	1.9	177	A	1.8	177	A	1.6	177	A	1.	177
32	A	11.8	231	A	11.8	231	A	11.8	231	A	1.8	231	A	1.8	231	A	2.2	231	A	2.	231	A	2.2	231	A	2.	231	A	1.8	231	A	1.	231
33	A	11.4	204	A	11.4	204	A	11.4	204	A	1.2	204	A	1.2	204	A	1.6	204	A	1.	204	A	1.1	204	A	1.	204	A	0.9	204	A	0.	204
34	A	12.5	145	A	12.6	145	A	12.6	145	A	3.	145	A	3.	145	A	3.8	145	A	3.8	145	A	4.	145	A	3.7	145	A	3.4	145	A	2.	145
35	A	14.2	269	B	14.5	870	B	14.5	870	B	7.2	870	B	7.2	870	B	7.5	870	B	6.4	870	B	6.4	870	B	6.4	870	B	6.4	870	A	4.	870
36	A	12.4	183	A	12.5	183	A	12.5	183	A	2.9	183	A	2.9	183	A	3.7	183	A	3.8	183	A	3.9	183	A	3.6	186	A	3.4	186	A	2.	186
37	A	17.2	436	A	17.2	436	A	17.3	436	A	7.2	436	A	7.2	436	A	7.7	436	A	6.6	436	A	6.7	436	A	6.6	436	A	6.5	436	A	6.	436
38	A	3.3	306	A	3.5	306	A	3.4	306	A	1.	306	A	1.	306	A	1.4	306	A	0.9	306	A	0.9	306	A	0.8	306	A	0.7	306	A	0.	306
39	A	12.2	243	A	12.3	243	A	12.3	243	A	2.6	243	A	2.6	243	A	3.4	243	A	3.1	243	A	3.3	243	A	3.	243	A	3.1	243	A	2.	243
40	C	16.1	345	C	13.5	443	C	13.5	443	F	0	0	F	0	0	F	0	0	F	0	0	C	168.1	41083	C	144.8	41097	F	0	0	C	100	0
41	F	0	0	F	0	0	F	0	0	C	23.4	12580	C	26.5	10044	C	35.5	34716	C	33.7	34716	C	22.1	3296	C	22.3	4022	C	24.3	4022	C	21	4022
42	A	10.1	132	A	19.	132	A	19.1	132	A	5.1	200	A	4.9	200	A	6.9	200	C	19.	7013	C	15.1	1831	C	14.8	1831	C	16.4	1831	C	14	1831
43	A	0.4	141	A	0.5	141	A	0.5	141	A	10.9	269	A	10.3	269	A	12.4	269	A	11.	269	A	10.9	269	A	10.5	269	A	10.8	269	A	9.	269
44	C	7.6	310	C	7.7	310	C	7.7	310	C	11.9	675	C	11.6	675	C	24.6	5331	C	23.8	6197	C	12.7	675	C	12.2	675	C	13.4	675	C	11	675
45	C	4.8	402	C	6.4	402	C	6.3	402	C	17.5	2552	C	17.	2552	C	31.7	15390	C	26.6	15390	C	15.	2552	C	14.8	2552	C	15.8	2552	C	14	2552
46	A	1.2	63	A	1.3	63	A	1.3	63	A	0.6	63	A	0.6	63	A	0.7	63	A	0.2	63	A	0.3	63	A	0.2	63	A	0.2	63	A	0.	63
47	A	7.3	66	A	7.5	66	A	7.3	66	A	1.2	66	A	1.2	66	A	1.5	66	A	0.5	66	A	0.6	66	A	0.5	66	A	0.5	66	A	0.	66
48	A	1.3	37	A	1.4	37	A	1.5	37	A	0.5	37	A	0.5	37	A	0.7	37	A	0.2	37	A	0.2	37	A	0.2	37	A	0.2	37	A	0.	37
49	A	0.6	54	A	0.6	54	A	0.6	54	A	0.4	54	A	0.4	54	A	0.6	54	A	0.3	54	A	0.3	54	A	0.3	54	A	0.3	54	A	0.	54
50	A	0.2	54	A	0.2	54	A	0.3	74	A	0.2	74	A	0.2	74	A	0.3	74	A	0.3	74	A	0.3	74	A	0.3	74	A	0.3	74	A	0.	74
51	A	0.2	62	A	0.2	62	A	0.3	77	A	0.2	77	A	0.2	77	A	0.3	77	A	0.3	77	A	0.3	77	A	0.3	77	A	0.3	77	A	0.	77
52	A	2.2	155	A	2.5	155	A	2.4	155	B	0.9	228	B	0.9	228	B	1.1	228	B	1.	228	B	1.1	228	B	0.9	228	B	0.8	228	B	1.	228
53	C	2.	112	C	2.3	112	C	2.3	112	B	0.8	189	B	0.8	189	B	1.2	189	B	1.2	189	B	1.2	189	B	1.1	189	B	0.8	189	B	1.	189
54	A	0.4	144	A	0.5	144	A	0.5	144	A	0.8	160	A	0.8	160	A	1.	160	A	2.4	152	A	1.5	152	A	1.3	152	A	1.1	152	A	1.	152
55	A	0.6	156	A	0.7	156	A	0.7	156	A	1.	156	A	1.1	156	A	1.3	156	A	4.6	182	A	4.7	182	A	6.1	377	A	2.3	180	A	2.	180
56	A	6.5	200	A	6.5	200	A	6.5	200	A	0.5	200	A	0.5	200	A	0.6	200	A	0.6	200	A	0.6	200	A	0.5	200	A	0.5	200	A	0.	200
57	A	3.5	313	A	3.6	313	A	3.7	313	A	1.8	313	A	1.5	313	A	2.	313	A	2.2	313	A	2.3	313	A	2.1	313	A	2.1	313	A	1.	313
58	B	10.2	1257	B	11.9	1257	B	12.	1257	B	6.4	1522	B	6.4	1522	B	6.5	1522	B	6.3	1522	B	6.4	1522	B	6.3	1522	B	6.3	1522	B	6.3	1522
59	B	4.9	502	B	5.3	502	B	5.2	502	B	1.3	502	B	1.4	502	B	1.8	502	B	1.9	502	B	2.	502	B	1.8	502	B	1.7	502	A	4.	502
60	B	12.3	1253	B	12.3	1253	B	12.3	1253	B	6.4	1253	B	6.4	1253	B	6.5	1253	B	6.3	1253	B	6.3	1253	B	6.3	1253	B	6.3	1253	B	6.3	1253
61	A	8.9	548	A	9.	548	A	8.9	548	A	5.3	548	A	4.5	548	A	6.4	548	A	6.5	831	A	6.5	831	A	6.6	831	A	6.7	548	C	6.	548
62	A	0.9	176	A	1.	176	A	1.	176	A	0.8	176	A	0.8	176	A	1.	176	A	1.1	176	A	1.1	176	A	1.	176	A	0.9	176	A	0.	176
63	C	8.7	967	C	9.3	967	C	9.4	967	C	12.6	967	C	10.9	967	C	14.1	967	C	17.8	967	C	16.7	967	C	14.5	914	C	13.1	914	C	12	914
64	A	7.5	328	A	8.2	328	A	8.3	328	B	6.8	891	B	6.7	891	B	6.9	891	B	6.1	891	B	6.1	891	B	6.1	891	B	6.1	891	B	6.1	891

Table 67 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
65	C	10.7	1002	C	11.	1002	C	11.1	1002	A	7.	460	A	6.3	460	A	7.6	460	A	9.1	460	A	9.4	460	A	8.7	448	A	10.4	448	A	7.	
66	C	3.9	684	C	4.1	684	C	4.1	684	C	1.2	684	C	1.1	684	C	1.5	684	C	1.3	684	C	1.3	684	C	1.2	684	C	1.1	684	C	4.	
67	C	4.	781	C	4.3	781	C	4.3	781	C	3.7	419	C	3.2	419	C	4.1	419	C	4.7	419	C	4.9	419	C	4.5	419	C	3.3	419	C	3.	
68	C	16.5	2465	C	16.7	2465	C	16.7	2465	C	14.5	2103	C	14.	2103	C	15.8	2103	C	17.6	2103	C	18.1	2103	C	17.3	2103	C	13.2	2103	C	14.	
69	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
70	A	2.3	40	A	2.4	40	A	2.5	40	A	0.9	40	A	0.8	40	A	1.1	40	A	0.5	40	A	0.5	40	A	0.5	40	A	0.4	40	A	0.	
71	B	8.	2837	B	8.1	2837	B	8.2	2837	B	9.1	2837	B	8.8	2807	B	10.	2807	B	10.	2807	B	10.3	2807	B	10.	2807	B	9.9	2807	B	9.	
72	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	

## 2.66 4\_Trig\_functions\4.1aSine\4.1.4.1(a+bsin)^m(A+Bsin+Csin^2)

Table 68: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
1	C 0.2 107	C 0.2 107	C 0.2 107	C 0.2 107	C 0.2 107	C 0.2 107	A 0.1 23	A 0.1 23	A 0.1 23	A 0.1 23	A 0.1 23	A 0.1 23	A
2	B 0.1 44	B 0.1 44	B 0.1 44	B 0. 44	B 0. 44	B 0. 44	B 0. 44	B 0. 44	B 0. 44	B 0. 44	B 0. 44	B 0. 44	B
3	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	B
4	A 0.2 18	A 0.2 18	A 0.2 18	A 0.1 18	A 0.1 18	A 0.1 18	A 0.1 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A
5	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F

## 2.67 4\_Trig\_functions\4.1aSine\4.1.4.2(a+bsin)^m(c+dsin)^n(A+Bsin+Csin^2)

Table 69: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	C 11.8 899	C 11.9 899	C 13.6 899	C 7.1 899	C 6.9 899	C 7.3 899	C 6.2 899	C 6.2 899	C 6.2 899	C 6.2 899	C 6.1 899	C
2	A 5.4 264	A 5.8 264	A 6. 264	A 4. 264	A 3.6 264	A 4.9 264	A 5.5 264	A 5.7 264	A 5.3 264	A 4.3 264	A 3.9 264	A
3	F 0 0	F 0 0	F 0 0	B 9.1 1873	B 8.6 1873	B 10. 2255	B 9.9 2255	A 3.4 365	A 2.9 365	A 2.5 365	A 2.3 365	A
4	A 3. 196	A 3.2 196	A 3.2 196	A 0.8 196	A 0.7 196	A 0.9 196	A 0.4 196	A 0.4 196	A 0.4 196	A 0.4 196	A 0.3 196	A
5	C 11.9 1029	C 12.1 1029	C 13.5 1029	C 7.4 1029	C 7.3 1029	C 7.8 1029	C 6.2 1029	C 6.2 1029	C 6.2 1029	C 6.2 1029	C 6.2 1029	C
6	A 1.1 196	A 1.2 196	A 1.2 196	C 18.8 1087	C 21.9 1087	C 28.1 7618	C 27.8 7618	C 20. 1164	C 23. 3826	C 26.2 3826	C 20.4 3826	C
7	F 0 0	F 0 0	F 0 0	B 26.6 2574	B 24.8 2574	B 35.4 3138	B 24.4 3138	A 15.2 560	A 12.9 560	A 16.7 560	A 8.6 560	A

## 2.68 4\_Trig\_functions\4.1aSine\4.1.7(dtrig)^m(a+b(csin)^n)^p

Table 70: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	gra
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55
2	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.2 51
3	A 0.1 53	A 0.1 53	A 0.1 53	A 0.2 53	A 0.2 53	A 0.2 53	A 0.3 53	A 0.3 53	A 0.2 53	A 0.3 53	A 0.3 53
4	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.2 71	A 0.2 71	A 0.2 71	A 0.2 71	A 0.2 71
5	A 0. 73	A 0. 73	A 0. 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.2 75	A 0.2 75	A 0.2 75	A 0.2 75	A 0.2 75
6	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58
7	A 0. 43	A 0. 43	A 0.1 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
8	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
9	A 0. 27	A 0. 27	A 0. 27	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41
10	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.2 45	A 0.1 45	A 0.2 45	A 0.1 45	A 0.1 45	A 0.1 45
11	A 0.1 95	A 0.1 95	A 0.1 95	A 0. 95	A 0. 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0. 95	A 0. 95	A 0. 95
12	C 0.1 80	C 0.1 80	C 0.1 80	C 0.1 80	C 0.1 80	C 0.2 80	C 0.1 80	C 0.1 80	C 0.1 80	C 0.1 80	A 0.1 76
13	C 6.7 657	C 6.8 657	C 6.6 657	C 6.4 657	C 6.3 657	C 6.4 657	C 6.3 657	C 6.3 657	B 6.3 490	B 6.2 490	A 0.1 76
14	A 1.3 46	A 1.5 46	A 1.2 46	A 0.2 46	A 0.2 46	A 0.2 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46
15	A 2.3 147	A 2.5 147	A 2.1 147	A 1.7 147	A 1.6 147	A 1.9 147	A 2.4 147	A 2.5 147	A 2.3 147	A 2.1 147	A 2.1 147
16	A 11.2 74	A 11.2 74	A 11.2 74	A 0.6 74	A 0.6 74	A 0.8 74	A 0.5 74	A 0.5 74	A 0.5 74	A 0.4 74	A 0.4 74
17	A 12.3 134	A 12.4 134	A 12.3 134	A 2.8 134	A 2.6 134	A 3.3 134	A 3.1 134	A 3.3 134	A 3. 134	A 3.1 134	A 3.1 134
18	A 2.7 214	A 2.9 214	A 2.5 214	A 1.8 214	A 1.7 214	A 2.2 214	A 2.1 214	A 2.2 214	A 2. 214	A 2. 214	A 2. 214
19	A 11.8 201	A 11.8 201	A 11.7 201	A 1.5 201	A 1.4 201	A 2.6 201	A 2.5 201	A 2.6 201	A 2.4 201	A 1.5 201	A 1.5 201
20	C 0.2 39	C 0.2 39	C 0.2 39	C 0.1 39	C 0.1 39	C 0.2 39	C 0.1 39	C 0.1 39	C 0.1 39	C 0.1 39	C 0.1 39
21	A 0. 23	A 0. 23	A 0. 23	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
22	A 0. 36	A 0. 36	A 0. 36	A 0.2 72	A 0.2 72	A 0.3 72	A 0.3 72	A 0.3 72	A 0.2 72	A 0.2 72	A 0.2 72
23	B 0.5 113	B 0.6 113	B 0.5 113	B 0.5 113	B 0.4 113	B 1. 241	B 1.1 241	B 0.6 113	B 0.6 113	B 0.5 117	B 0.5 117
24	C 0.4 98	C 0.5 98	C 0.5 98	C 0.4 98	C 0.4 98	C 0.8 184	C 0.9 184	C 0.5 98	C 0.6 98	C 0.6 97	C 0.6 97
25	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
26	A 0.4 102	A 0.4 102	A 0.3 102	B 0.8 240	B 0.8 240	B 1.1 240	B 1.2 240	B 1.2 240	B 1.1 240	B 0.9 240	B 0.9 240
27	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
28	C 11.1 140	F 0 0	F 0 0	C 0.2 140	C 0.3 140	C 0.3 140	C 0.1 140	C 0.1 140	C 0.1 140	C 0.1 140	C 0.1 140
29	C 11.1 264	C 11.1 264	C 0.5 264	C 0.3 264	C 0.3 264	C 0.4 264	C 0.2 264	C 0.2 264	C 0.2 264	C 0.1 264	C 0.1 264
30	C 11. 126	F 0 0	F 0 0	C 0.1 126	C 0.1 126	C 0.2 126	C 0.1 126	C 0.1 126	C 0. 126	C 0. 126	C 0. 126

Table 70 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	A	1.3	143	A	1.5	143	A	1.3	143	A	1.2	143	A	1.2	143	A	1.6	143	A	1.6	143	A	1.7	143	A	1.6	143	A	1.5	143
32	A	3.7	174	A	4.	174	A	3.4	174	A	4.9	174	A	4.6	174	A	6.5	240	A	6.2	240	A	6.3	240	A	6.2	240	A	3.	230
33	A	6.3	262	A	6.9	262	A	6.3	262	A	5.5	262	A	5.1	262	A	6.6	262	A	6.4	296	A	6.4	296	A	6.4	296	A	6.2	262
34	A	2.3	274	A	2.5	274	A	2.1	274	A	2.5	274	A	2.3	274	A	3.8	274	A	4.6	274	A	4.9	274	A	4.3	274	A	3.	274
35	C	6.2	786	C	6.4	786	C	6.1	786	C	1.6	786	C	1.4	786	C	1.8	786	C	2.2	786	C	2.3	786	C	2.	786	C	1.7	786
36	C	1.1	631	C	1.2	631	C	1.	631	C	1.2	631	C	1.1	631	C	1.8	631	C	2.	631	C	2.2	631	C	1.9	631	C	1.3	631
37	A	8.8	331	A	9.1	331	A	8.2	331	A	4.7	331	A	4.3	331	A	5.7	331	A	3.6	331	A	3.9	331	A	3.5	331	A	3.7	331
38	A	8.9	357	A	9.2	357	A	10.9	357	A	5.6	357	A	5.3	357	A	7.	475	A	6.7	475	A	6.7	475	A	6.7	475	A	6.6	475
39	C	5.1	294	C	5.5	294	C	8.	294	C	25.6	13300	C	25.3	13300	C	25.5	13300	C	25.7	13300	C	25.8	13300	C	25.6	13300	C	25.5	13300
40	C	22.6	1442	C	22.9	1442	C	25.1	1442	C	32.8	119171	C	32.7	119171	C	32.9	119171	C	33.	119171	C	33.2	119171	C	33.1	119171	C	32.9	119171
41	C	1.2	195	C	1.1	195	C	1.7	195	C	9.4	304	C	8.7	304	C	9.6	304	C	11.2	270	C	11.1	270	C	10.5	270	C	17.6	2112
42	C	5.1	149	C	5.1	149	C	5.1	149	C	0.2	149	C	0.2	149	C	0.2	149	C	0.1	149	C	0.1	149	C	0.1	149	C	0.1	149
43	C	5.1	174	C	5.1	174	C	5.1	174	C	0.3	174	C	0.3	174	C	0.3	174	C	0.1	174	C	0.1	174	C	0.1	174	C	0.1	174
44	C	5.1	413	C	5.1	413	C	5.1	413	C	0.1	413	C	0.1	413	C	0.2	413	C	0.1	413	C	0.1	413	C	0.1	413	C	0.1	413
45	C	1.4	117	C	1.4	117	C	1.6	117	C	0.3	117	C	0.3	117	C	0.3	117	C	0.4	117	C	0.4	117	C	0.4	117	C	0.4	117
46	A	0.	15	A	0.	15	A	0.	15	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19
47	A	0.	30	A	0.	30	A	0.	30	A	0.1	61	A	0.1	61	A	0.2	61	A	0.2	61	A	0.2	61	A	0.2	61	A	0.2	61
48	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18
49	A	0.	23	A	0.	23	A	0.	23	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27
50	A	0.	23	A	0.	23	A	0.	23	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31
51	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46
52	A	0.3	86	A	0.4	86	A	0.6	86	A	0.4	86	A	0.3	86	A	0.4	86	B	0.1	161	B	0.1	161	B	0.	161	B	0.	161
53	A	0.5	48	A	0.7	48	A	1.	48	A	0.3	48	A	0.3	48	A	0.4	48	A	0.3	48	A	0.3	48	A	0.3	48	A	0.3	48
54	A	0.2	59	A	0.2	59	A	0.3	59	A	0.4	57	A	0.3	57	A	0.4	57	A	0.4	57	A	0.4	57	A	0.4	57	A	0.4	57
55	A	0.8	67	A	1.	67	A	1.3	67	A	0.4	67	A	0.4	67	A	0.5	67	A	0.5	67	A	0.5	67	A	0.4	67	A	0.4	67
56	A	0.2	79	A	0.2	79	A	0.2	79	A	0.2	79	A	0.2	79	A	0.2	79	A	0.3	79	A	0.3	79	A	0.2	83	A	0.2	83
57	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39
58	A	0.2	59	A	0.2	59	A	0.3	59	A	0.2	59	A	0.2	59	A	0.3	59	A	0.3	59	A	0.3	59	A	0.3	59	A	0.2	70
59	B	0.8	214	B	0.9	214	B	1.3	214	B	1.4	214	B	1.3	214	B	1.9	214	B	2.5	214	B	2.6	214	B	2.6	196	B	2.6	196
60	A	0.1	59	A	0.2	59	A	0.2	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.4	86	A	0.4	86	A	0.3	60	A	0.3	60
61	A	0.	48	A	0.	48	A	0.	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48
62	A	0.2	96	A	0.2	96	A	0.3	96	A	0.3	96	A	0.3	96	A	0.4	96	A	0.2	75	A	0.2	75	A	0.2	75	A	0.1	75
63	A	0.2	129	A	0.2	129	A	0.3	129	A	0.3	129	A	0.3	129	A	0.4	129	A	0.4	129	A	0.4	129	A	0.4	129	A	0.4	129
64	A	1.7	164	A	1.5	164	A	2.3	164	A	2.3	164	A	2.3	164	A	2.7	164	A	0.3	95	A	0.3	95	A	0.3	95	A	0.3	95

Table 70 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
65	A	0.8	158	A	0.8	158	A	1.2	158	A	1.	158	A	1.	158	A	1.2	158	A	1.5	158	A	1.6	158	A	1.4	159	A	1.3	159
66	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.1	79	A	0.5	102	A	0.5	102	A	0.4	106	A	0.3	106
67	A	0.6	128	A	0.6	128	A	0.9	128	A	0.9	128	A	0.8	128	A	1.	128	A	1.3	128	A	1.3	128	A	1.1	126	A	1.	126
68	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.4	62	A	0.4	62	A	0.3	62	A	0.3	62
69	A	0.4	129	C	8.5	1291	C	9.5	1291	C	7.6	1291	C	7.6	1291	C	10.2	1291	A	1.	129	A	1.	129	A	0.9	133	A	0.8	133
70	A	1.4	175	A	1.4	175	A	2.	175	A	1.6	175	A	1.5	175	A	1.9	175	A	2.5	175	A	2.6	175	A	2.3	175	A	2.3	175
71	A	1.	172	A	1.	172	A	1.5	172	A	1.5	172	A	1.4	172	A	1.9	172	A	2.4	172	A	2.5	172	A	2.2	172	A	2.2	172
72	C	0.3	191	C	0.3	191	C	0.4	191	C	0.5	191	C	0.4	191	C	0.6	191	C	0.7	191	C	0.4	77	C	0.4	77	C	0.3	80
73	B	5.5	199	B	0.6	199	B	0.8	199	B	0.6	199	B	0.5	199	B	0.8	199	B	0.9	199	A	0.3	91	A	0.3	91	A	0.3	94
74	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
75	C	0.2	203	C	0.2	203	C	0.3	203	C	0.3	203	C	0.2	203	C	0.3	203	C	0.5	230	C	0.5	230	C	0.4	230	C	0.4	230
76	A	0.1	139	A	0.1	139	A	0.2	139	A	0.2	139	A	0.1	139	A	0.3	139	C	0.4	216	C	0.4	216	C	0.4	216	C	0.3	216
77	C	0.1	268	C	0.2	268	C	0.2	268	C	0.2	268	C	0.2	268	C	0.8	268	C	0.6	288	C	0.7	288	C	0.6	288	C	0.5	288
78	C	0.3	300	C	0.4	300	C	0.5	300	C	0.2	300	C	0.1	300	C	0.4	300	C	0.2	300	C	0.2	300	C	0.1	300	C	0.1	300
79	C	0.3	432	C	0.4	432	C	0.5	432	C	0.3	432	C	0.2	432	C	0.3	432	C	0.3	432	C	0.3	432	C	0.3	432	C	0.3	432
80	C	1.2	679	C	1.3	679	C	1.9	679	C	1.9	679	C	1.6	679	C	3.3	679	C	3.8	679	C	4.5	679	C	3.4	679	C	2.3	679
81	C	0.6	258	C	0.7	258	C	1.	258	C	1.3	258	C	1.1	258	C	2.	258	C	0.5	346	C	0.5	346	C	0.5	346	C	0.4	346
82	C	1.4	845	C	1.5	845	C	2.	845	C	1.8	845	C	1.6	845	C	3.2	845	C	4.	845	C	4.1	845	C	3.7	845	C	2.	845
83	A	1.	233	A	1.1	233	A	1.6	233	A	1.1	233	A	1.	233	A	1.3	233	A	1.5	233	A	1.6	233	A	1.4	233	A	1.5	233
84	A	0.8	205	A	0.9	205	A	1.3	205	A	1.2	205	A	1.1	205	A	1.3	205	A	1.6	205	A	1.7	205	A	1.5	205	A	1.6	205
85	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
86	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
87	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
88	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
89	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.2	52	A	0.2	56	A	0.2	56	A	0.2	56	A	0.2	56
90	A	0.4	52	A	0.4	52	A	0.5	52	A	0.2	52	A	0.2	52	A	0.3	52	A	0.2	52	A	0.2	52	A	0.2	52	A	0.2	52
91	A	0.1	42	A	0.2	42	A	0.2	42	A	0.1	51	A	0.1	51	A	0.2	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51
92	A	1.	97	A	1.	97	A	1.5	97	A	0.5	88	A	0.5	88	A	0.6	88	A	0.7	88	A	0.7	88	A	0.6	88	A	0.7	88
93	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.2	42	A	0.2	42	A	0.2	42	A	0.2	42
94	A	0.7	143	A	0.7	143	A	1.	143	A	0.7	143	A	0.6	143	A	1.	143	A	1.1	143	A	1.1	143	A	1.1	143	A	0.9	143
95	A	1.3	160	A	1.4	160	A	2.1	160	A	2.2	160	A	2.1	160	A	2.5	160	A	5.2	206	A	5.1	206	A	4.6	202	A	4.4	202
96	A	1.8	173	A	1.8	173	A	2.7	173	A	2.4	173	A	2.3	173	A	3.4	173	A	4.6	173	A	4.7	173	A	3.9	173	A	3.6	173
97	A	1.7	188	A	1.7	188	A	2.5	188	A	2.3	188	A	2.2	188	A	2.7	188	A	3.6	188	A	3.7	188	A	3.3	188	A	3.3	188
98	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60



Table 70 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
99	A	2.8	186	A	3.	186	A	4.3	186	A	4.2	186	A	4.1	186	A	5.2	186	A	6.4	334	A	6.4	334	A	6.	192	A	5.9	192
100	C	0.3	107	C	0.3	107	C	0.5	107	C	0.5	107	C	0.5	107	C	0.6	107	A	2.9	180	A	3.	180	A	2.7	180	A	3.	180
101	C	0.1	56	C	0.1	56	C	0.1	56	C	0.1	56	C	0.1	56	C	0.1	56	A	1.1	98	A	1.1	98	A	1.	102	A	1.	102
102	A	2.3	209	A	2.3	209	A	3.3	209	A	2.9	209	A	2.8	209	A	3.5	209	A	4.5	209	A	4.8	209	A	3.9	227	A	4.3	227
103	A	0.2	83	A	0.2	83	A	0.2	83	A	0.3	83	A	0.2	83	A	0.3	83	A	3.7	129	A	3.8	129	A	3.5	129	A	4.6	129
104	A	0.2	143	A	0.2	143	A	0.3	143	A	0.3	143	A	0.3	143	A	0.4	143	C	0.6	210	C	0.6	210	C	0.5	210	C	0.5	210
105	A	0.	54	A	0.	54	A	0.1	54	A	0.1	55	A	0.1	55	A	0.1	55	C	31.5	71362	C	31.6	71362	C	31.5	71362	C	31.4	71362
106	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	C	29.7	27096	C	30.4	27096	C	30.	27096	C	28.6	27096
107	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
108	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
109	A	0.	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.4	73	A	0.4	73	A	0.4	73	A	0.3	73
110	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0

## 2.69 4\_Trig\_functions\4.1aSine\4.1.8(a+bsin)^m(c+dtrig)^n

Table 71: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
1	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A
2	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	B
3	A 0.1 59	A 0.1 59	A 0.2 59	A 0.1 59	A 0.1 59	A 0.2 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A
4	A 0.8 60	A 0.9 60	A 1.3 60	A 0.2 60	A 0.2 60	A 0.3 60	A 0.2 60	A 0.2 60	A 0.2 60	A 0.2 60	A 0.2 60	A 0.1 60	A
5	A 0.4 72	A 0.4 72	A 0.5 72	A 0.1 72	A 0.1 72	A 0.4 72	A 0.2 72	A 0.2 72	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 89	A

## 2.70 4\_Trig\_functions\4.1aSine\4.1.9trig<sup>m</sup>(a+bsin<sup>n</sup>+csin<sup>(2n)</sup>)<sup>p</sup>

Table 72: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	C 0.7 410	C 0.8 410	C 1.2 410	C 1.4 410	C 1.3 410	C 1.9 410	C 1.6 410	C 1.5 410	C 1.7 410	C 1.6 410	C 1.4 410	C 1.1 410	C
2	C 0.9 268	C 1. 268	C 1.5 268	C 0.7 268	C 0.7 268	C 1. 268	C 1.1 268	C 1.1 268	C 1.1 268	C 0.8 268	C 0.8 268	C 0.7 268	C
3	C 0.6 233	C 0.6 233	C 1. 233	C 0.5 233	C 0.5 233	C 0.7 233	C 0.7 233	C 0.7 233	C 0.7 233	C 0.6 233	C 0.5 233	C 0.4 233	C
4	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0.1 35	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A
5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A

## 2.71 4\_Trig\_functions\4.1bCosine\4.1.0(acos)^m(btrg)^n

Table 73: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	B 0. 21	B 0. 21	B 0. 21	B 0. 21	B 0. 21	B 0. 21	B 0. 21	B 0. 21	B 0. 21	B 0. 21	B 0. 21	B 0. 21
2	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
3	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
4	A 0. 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55
5	A 0. 36	A 0. 36	A 0.1 36	A 0. 36	A 0. 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0. 36
6	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0.1 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
7	A 0.1 76	A 0.1 76	A 0.2 76	A 0.2 76	A 0.2 76	A 0.2 76	A 0.3 76	A 0.3 76	A 0.2 76	A 0.2 76	A 0.2 76	A 0.2 76
8	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38
9	A 0. 53	A 0. 53	A 0.1 53	A 0. 53	A 0. 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53
10	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53
11	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51
12	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0.1 55	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57
13	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0.1 53	A 0.2 83	A 0.2 83	A 0.2 83	A 0.2 83	A 0.2 83	A 0.2 83
14	A 0. 31	A 0. 31	A 0.1 31	A 0. 31	A 0. 31	A 0.1 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
15	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0.1 30	A 0.1 30	A 0. 30	A 0.1 30	A 0.1 35	A 0. 35
16	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70
17	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.2 72	A 0.2 78	A 0.2 78	A 0.2 78	A 0.2 78	A 0.1 78	A 0.1 78
18	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24
19	A 0.1 62	A 0.1 62	A 0.2 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62
20	A 0.2 83	A 0.3 83	A 0.4 83	A 0.3 83	A 0.2 83	A 0.3 83	A 0.4 83	A 0.4 83	A 0.3 83	A 0.3 83	A 0.3 83	A 0.3 83
21	A 0.1 73	A 0.2 73	A 0.2 73	A 0.2 73	A 0.2 73	A 0.3 73	A 0.3 73	A 0.3 73	A 0.2 73	A 0.2 73	A 0.2 73	A 0.2 73
22	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.2 65	A 0.2 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65
23	A 0.2 51	A 0.2 51	A 0.3 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 56	A 0.2 56
24	A 0.3 69	A 0.3 69	A 0.4 69	A 0.3 69	A 0.3 69	A 0.7 69	A 0.4 69	A 0.4 69	A 0.4 69	A 0.4 69	A 0.2 69	A 0.2 69
25	A 0.2 51	A 0.2 51	A 0.3 51	A 0.1 51	A 0.1 51	A 0.2 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51
26	A 0.1 51	A 0.1 51	A 0.2 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0. 51
27	A 0. 41	A 0. 41	A 0.1 41	A 0. 41	A 0. 41	A 0.1 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41
28	A 0.2 63	A 0.2 63	A 0.3 63	A 0.2 63	A 0.2 63	A 0.2 63	A 0.2 63	A 0.2 63	A 0.2 63	A 0.4 63	A 0.2 62	A 0.2 62
29	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41
30	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51

Table 73 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			7		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51
32	A	0.3	80	A	0.3	80	A	0.5	80	A	0.4	80	A	0.3	80	A	0.4	80	A	0.6	80	A	0.5	80	A	0.5	79	A	0.8	79	A	0.5	79	A	0.4	79
33	A	0.1	45	A	0.1	45	A	0.2	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.	45
34	A	0.1	32	A	0.1	32	A	0.1	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32
35	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45
36	A	0.1	67	A	0.1	67	A	0.1	67	A	0.2	67	A	0.1	67	A	0.2	67	A	1.6	111	A	1.6	111	A	1.4	111	A	1.4	111	A	1.4	107	A	1.3	107
37	A	0.1	32	A	0.1	32	A	0.2	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32
38	A	0.1	32	A	0.1	32	A	0.2	32	A	0.	32	A	0.	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.	32
39	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	B	0.1	75	B	0.1	75	B	0.1	75	B	0.1	75	B	0.1	75	B	0.1	75
40	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45
41	A	0.	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.6	216	A	0.6	216	A	0.5	216	A	0.4	216	A	0.4	216	A	0.3	216
42	A	0.	66	A	0.	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	216	A	0.1	216	A	0.2	216	A	0.1	216	A	0.1	216	A	0.1	216
43	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.3	79	A	0.3	79	A	0.3	79	A	0.3	79	A	0.2	79	A	0.2	79
44	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.1	63	A	0.2	89	A	0.2	89	A	0.2	89	A	0.2	89	A	0.3	95	A	0.3	83
45	A	0.	54	A	0.	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.2	83	A	0.2	83	A	0.2	83	A	0.2	83	A	0.2	83	A	0.2	83
46	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.	58	A	0.1	58	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60
47	A	0.	58	A	0.	58	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78	A	0.1	78
48	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	58	A	0.3	103	A	0.3	103	A	0.3	103	A	0.3	103	A	0.3	103	A	0.3	103
49	A	0.	64	A	0.	64	A	0.1	64	A	0.1	64	A	0.	64	A	0.1	64	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70
50	A	0.1	80	A	0.1	80	A	0.1	80	A	0.2	80	A	0.1	80	A	0.2	80	A	0.3	80	A	0.3	80	A	0.3	80	A	0.3	80	A	0.3	80	A	0.2	80
51	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.2	80	A	0.2	80	A	0.2	80	A	0.2	80	A	0.2	80	A	0.2	80
52	A	0.2	63	A	0.2	63	A	0.3	63	A	0.2	63	A	0.2	63	A	0.2	63	A	0.2	63	A	0.2	63	A	0.2	63	A	0.2	55	A	0.5	63	A	0.3	63
53	A	0.4	63	A	0.4	63	A	0.6	63	A	0.5	63	A	0.4	63	A	0.6	63	A	0.7	63	A	0.7	63	A	0.5	74	A	0.3	56	A	1.4	74	A	1.1	74
54	A	32.3	105	A	31.7	105	A	32.6	105	A	0.7	105	A	0.7	105	A	0.9	105	A	1.	105	A	1.	105	A	0.9	105	A	0.9	105	A	0.3	105	A	0.2	105
55	C	6.1	312	C	1.6	312	C	2.4	312	C	2.1	312	C	2.	312	C	17.1	3229	C	18.8	3229	C	3.5	312	C	3.2	312	C	3.	312	A	0.2	76	A	0.2	76
56	C	0.3	314	C	0.4	314	C	0.4	314	C	0.3	314	C	0.3	314	C	6.2	3237	C	6.2	3237	C	0.3	314	C	0.4	314	C	0.3	314	A	0.2	79	A	0.1	79
57	A	20.1	94	A	11.6	94	A	16.4	94	A	8.1	94	A	8.	94	A	19.5	94	A	20.	94	A	9.	94	A	8.7	94	A	9.4	94	A	0.1	79	A	0.1	79
58	A	21.	116	A	12.3	116	A	18.6	116	A	7.	116	A	6.9	116	A	7.5	116	A	29.9	116	A	9.4	116	A	8.6	116	A	10.6	116	C	2.3	97	C	1.7	97
59	A	21.1	125	A	12.6	125	A	18.9	125	A	1.2	125	A	1.1	125	A	1.4	125	A	1.7	125	A	1.5	125	A	1.4	125	A	1.3	125	C	2.4	97	C	1.8	97

## 2.72 4\_Trig\_functions\4.1bCosine\4.1.10(c+dx)^m(a+bcos)^n

Table 74: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	g
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 61	A 0.1 61	A 0.2 61	A 0.3 61	A 0.2 61	A 0.3 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.1 61	
2	A 0.3 65	A 0.3 65	A 0.4 65	A 0.5 65	A 0.4 65	A 0.5 65	A 0.5 65	A 0.5 65	A 0.4 75	A 0.3 75	A 0.3 75	A 0.2 75	
3	A 0.4 144	A 0.4 144	A 0.7 144	A 0.7 144	A 0.7 144	A 0.9 144	A 0.7 144	A 0.7 144	A 0.6 145	A 0.5 145	A 0.4 145	A 0.4 145	
4	A 0.2 65	A 0.2 65	A 0.3 65	A 0.2 65	A 0.1 65	A 0.2 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	
5	A 0.6 385	A 0.7 385	A 1. 385	A 1.2 385	A 1.1 385	A 1.6 385	A 1.7 385	A 1.7 385	A 1.7 385	A 1.2 385	A 1.6 385	A 1. 385	
6	A 0.1 52	A 0.1 52	A 0.2 52	A 0.2 52	A 0.2 52	A 0.2 52	A 0.3 52	A 0.3 52	A 0.2 52	A 0.2 52	A 0.2 52	A 0.2 52	
7	A 0.5 200	A 0.5 200	A 0.7 200	A 0.8 200	A 0.7 200	A 1. 200	A 1.3 200	A 1.3 200	A 1.2 200	A 0.8 200	A 0.8 200	A 0.7 200	
8	A 0.3 119	A 0.3 119	A 0.4 119	A 0.4 119	A 0.4 119	A 0.4 119	A 0.5 119	A 0.5 119	A 0.4 119	A 0.4 119	A 0.3 119	A 0.4 119	
9	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.5 236	A 0.4 236	A 0.4 236	A 0.4 236	A 0.3 236	A 0.2 236	
10	A 1.9 311	A 2. 311	A 3.1 311	A 3.1 311	A 3.1 311	A 4.1 311	A 5.5 530	A 4.1 530	A 3.7 530	A 3. 530	A 2.5 538	A 2.6 538	
11	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
12	C 0.4 228	C 0.4 228	C 0.7 228	C 0.7 228	C 0.6 228	C 0.7 228	A 3.3 233	A 3.3 233	A 3.3 246	A 3.3 246	A 2.8 246	A 2.5 246	
13	C 1.3 268	C 1.4 268	C 2.1 268	C 2.3 268	C 2.2 268	C 2.8 268	A 5.6 497	B 6.6 1105	A 4.6 497	A 5. 497	A 3.4 497	A 3.3 497	
14	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	A 0.1 49	A 0.1 49	A 0.1 49	A 0. 49	A 0. 49	A 0. 49	
15	A 0.1 124	A 0. 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.7 155	A 0.7 155	A 0.6 155	A 0.6 155	A 0.5 155	A 0.4 155	
16	A 0. 121	A 0. 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.5 139	A 0.6 139	A 0.5 139	A 0.5 139	A 0.4 139	A 0.4 139	
17	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	A 4. 77	F 0 0	F 0 0	F 0 0	
18	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
19	A 0. 38	A 0. 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0. 38	
20	A 0.1 45	A 0.1 45	A 0.2 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.2 45	A 0.2 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	
21	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
22	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0.1 79	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	
23	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	
24	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	
25	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0.2 92	A 0.5 120	A 0.4 120	A 0.4 120	A 0.4 120	A 0.3 120	A 0.3 120	
26	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.5 122	A 0.4 122	A 0.4 122	A 0.4 122	A 0.3 122	A 0.3 122	
27	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.2 90	A 0.4 118	A 0.3 118	A 0.3 118	A 0.3 118	A 0.3 118	A 0.2 118	
28	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
29	A 0.2 44	A 0.2 44	A 0.3 44	A 0.2 44	A 0.2 44	A 0.2 44	A 0.2 44	A 0.3 44	A 0.2 44	A 0.2 44	A 0.1 64	A 0.1 64	
30	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0. 33	

Table 74 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size g
31	A 0. 19	A 0. 19	A 0.1 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
32	A 0.1 45	A 0.1 45	A 0.2 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45
33	A 0.2 54	A 0.2 54	A 0.3 54	A 0.2 54	A 0.2 54	A 0.3 54	A 0.4 54	A 0.4 54	A 0.3 54	A 0.3 54	A 0.3 54	A 0.2 65	A 0.1 65
34	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 56	A 0.1 56
35	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53
36	A 0. 66	A 0. 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.2 70	A 0.2 70	A 0.2 70	A 0.2 70	A 0.2 70	A 0.2 70	A 0.1 70
37	A 0.3 257	A 0.3 257	A 0.4 257	A 0.5 257	A 0.5 257	A 0.5 257	B 6. 1391	A 4.9 653	A 4.7 653	A 3.5 653	A 3.1 653	A 3.6 653	A 3.6 653
38	A 1. 290	A 1.1 290	A 1.7 290	A 1. 290	A 0.9 290	A 1.2 290	A 1.1 290	A 1.1 290	A 1. 290	A 1. 290	A 0.4 290	A 0.3 290	A 0.3 290

## 2.73 4\_Trig\_functions\4.1bCosine\4.1.1.1(a+bcos)^n

Table 75: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.2 83	A 0.2 83	A 0.3 83	A 0.3 83	A 0.3 83	A 0.3 83	A 0.4 83	A 0.4 83	A 0.4 83	A 0.4 83	A 0.3 83	A 0.3 83	A
2	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.3 83	A 0.3 83	A 0.2 83	A 0.2 83	A 0.2 83	A 0.2 83	A
3	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A
4	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A
5	A 0.1 43	A 0.1 43	A 0.2 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A
6	A 0.2 66	A 0.3 66	A 0.4 66	A 0.3 66	A 0.3 66	A 0.3 66	A 0.4 66	A 0.4 66	A 0.3 78	A 0.3 78	A 0.3 78	A 0.2 78	A
7	A 0.1 65	A 0.1 65	A 0.2 65	A 0.1 65	A 0.1 65	A 0.2 65	A 0.2 65	A 0.2 65	A 0.2 65	A 0.2 65	A 0.2 65	A 0.1 65	A
8	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0.2 66	A 0.1 66	A 0.2 66	A 0.1 78	A 0. 78	A 0. 78	A 0. 78	A
9	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A
10	A 0.2 66	A 0.2 66	A 0.3 66	A 0.3 66	A 0.3 66	A 0.4 66	A 0.5 66	A 0.5 66	A 0.3 78	A 0.3 78	A 0.3 78	A 0.2 78	A
11	B 0.3 288	B 0.3 288	B 0.4 288	B 0.3 288	B 0.3 288	B 0.4 288	B 0.4 288	B 0.5 288	B 0.4 288	B 0.4 288	B 0.4 288	B 0.3 288	A
12	A 0.2 118	A 0.2 118	A 0.3 118	A 0.3 118	A 0.2 118	A 0.3 118	A 0.4 118	A 0.4 118	A 0.3 118	A 0.3 118	A 0.3 118	A 0.2 118	A
13	B 1.4 268	B 1.5 268	B 2.2 268	B 2.2 268	B 2.1 268	B 2.4 268	B 3.4 268	B 3.5 268	B 3.2 268	B 3.2 268	B 3.2 266	B 2.6 266	E



## 2.74 4\_Trig\_functions\4.1bCosine\4.1.12(ex)^m(a+bcos(c+dx^n))^p

Table 76: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	gra
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 29	A 0. 29	A 0.1 29	A 0.1 29	A 0. 29	A 0.1 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
2	A 0.1 82	A 0.1 82	A 0.2 82	A 0.2 82	A 0.1 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.1 82	A 0.1 82	A 0.1 82
3	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.2 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40
4	A 0.1 50	A 0.1 50	A 0.2 50	A 0.1 50	A 0.1 50	A 0.2 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50
5	A 0.1 55	A 0.1 55	A 0.2 55	A 0.2 55	A 0.2 55	A 0.2 55	A 0.2 55	A 0.2 55	A 0.2 55	A 0.2 55	A 0.1 55	A 0.1 55	A 0.1 55
6	A 0.3 160	A 0.3 160	A 0.5 160	A 0.5 160	A 0.4 160	A 0.6 160	A 0.7 160	A 0.7 160	A 0.6 160	A 0.4 160	A 0.3 160	A 0.3 160	A 0.3 160
7	A 0.1 116	A 0.2 116	A 0.3 116	A 0.2 116	A 0.2 116	A 0.3 116	A 0.4 116	A 0.3 116	A 0.3 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116
8	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89
9	A 0. 29	A 0. 29	A 0.1 29	A 0.1 29	A 0.1 29	A 0.1 29	A 0.1 29	A 0.1 29	A 0.1 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
10	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.2 80	A 0.2 80	A 0.2 80	A 0.2 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80
11	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
12	A 0.1 88	A 0.1 88	A 0.2 88	A 0.2 88	A 0.2 88	A 0.2 88	A 0.2 88	A 0.2 88	A 0.2 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88
13	A 0.3 249	A 0.3 249	A 0.4 249	A 0.5 249	A 0.4 249	A 0.6 249	A 0.5 249	A 0.5 249	A 0.5 249	A 0.3 249	A 0.3 249	C 1.1 402	A 0.3 249
14	A 0.1 37	A 0.1 37	A 0.2 37	A 0.1 37	A 0.1 37	A 0.1 37	A 0.1 37	A 0.1 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37
15	A 0.1 66	A 0.1 66	A 0.2 66	A 0.2 66	A 0.1 66	A 0.2 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66
16	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45
17	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
18	C 0.8 145	C 0.9 145	C 1.3 145	C 0.8 145	C 0.7 145	C 1. 145	C 0.5 145	C 0.5 145	C 0.4 145	C 0.4 145	F 0 0	F 0 0	F 0 0
19	A 0.4 117	A 0.4 117	A 0.6 117	A 0.5 117	A 0.4 117	A 0.6 117	A 0.6 117	A 0.6 117	A 0.5 117	A 0.4 117	A 0.4 117	A 0.3 117	A 0.3 117
20	C 0.5 138	C 0.5 138	C 0.8 138	C 0.7 138	C 0.7 138	C 0.8 138	C 0.7 138	C 0.6 138	C 5.4 391	C 3.7 391	F 0 0	F 0 0	F 0 0

## 2.75 4\_Trig\_functions\4.1bCosine\4.1.1.2(gsin)^p(a+bcos)^m

Table 77: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 25	A 0.1 25	A 0.2 25	A 0. 25	A 0. 25	A 0.1 25	A 0.1 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A
2	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A
3	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.2 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.2 60	A 0.1 60	A
4	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A
5	C 0. 26	C 0. 26	C 0. 26	C 0. 26	C 0. 26	C 0. 26	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A
6	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A
7	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A
8	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A
9	A 0.3 58	A 0.3 58	A 0.4 58	A 0.1 58	A 0.1 58	A 0.2 58	A 0.2 58	A 0.2 58	A 0.2 58	A 0.2 58	A 0.1 58	A
10	A 0.9 117	A 0.9 117	A 1.4 117	A 0.9 117	A 0.8 117	A 1.1 117	A 1.4 117	A 1.4 117	A 1.2 118	A 1.3 133	A 1. 118	A
11	A 0.4 83	A 0.5 83	A 0.7 83	A 0.3 83	A 0.3 83	A 0.4 83	A 0.4 83	A 0.4 83	A 0.4 83	A 0.3 83	A 0.3 83	A
12	C 19.2 1955	C 14.9 1955	C 48. 1955	C 16.2 1955	C 15. 1955	C 29.3 2155	C 31.1 2155	C 17.3 1419	C 16. 1458	C 19.3 1458	C 17.6 1407	C
13	C 17.7 1956	C 13.7 1956	C 16.6 1956	C 15.7 1956	C 14.4 1956	C 29.3 2156	C 30.9 2156	C 16.7 1421	C 15.5 1454	C 18.4 1454	C 15.3 1405	C
14	C 11.8 557	C 7.5 557	C 10.3 614	C 9.4 614	C 9.2 614	C 22.3 614	C 23.8 614	C 8.4 365	C 7.4 365	C 7.2 350	C 9.7 365	C
15	C 18.8 930	C 14.7 930	C 36.7 930	C 15.5 930	C 15.2 930	C 27.6 1324	C 29. 1324	C 17. 930	C 16.4 946	C 19.3 946	C 20.9 948	C
16	C 18.7 831	C 14.2 831	C 15.3 831	C 14.6 831	C 14.6 831	C 26.2 1225	C 28.1 1225	C 15.7 831	C 15.5 846	C 17.7 846	C 19.3 845	C
17	C 14.8 1226	C 10.6 1226	C 12.9 1226	C 12.5 1226	C 12. 1226	C 24.9 1226	C 26.2 1226	C 15.1 827	C 14.7 840	C 17.9 840	C 14.9 868	C
18	C 6.9 1014	C 6.8 1014	C 7.3 1014	C 7. 1014	C 6.9 1014	C 8.4 1408	C 8.8 1408	C 7.4 1014	C 7.1 1030	C 6.7 1030	C 21.6 1032	C

## 2.76 4\_Trig\_functions\4.1bCosine\4.1.13(d+ex)^mcos(a+bx+cx^2)^n

Table 78: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.5 160	A 0.5 160	A 0.7 160	A 0.8 160	A 0.7 160	A 0.9 160	A 1.1 160	A 1.1 160	A 1. 160	A 0.6 160	A 0.6 160	A 0.5 160	A
2	A 0.2 112	A 0.2 112	A 0.3 112	A 0.3 112	A 0.3 112	A 0.4 112	A 0.5 112	A 0.4 112	A 0.4 112	A 0.2 112	A 0.2 112	A 0.1 112	A
3	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
4	A 0.5 170	A 0.5 170	A 0.6 170	A 0.7 170	A 0.7 170	A 1. 170	A 0.9 170	A 0.9 170	A 1. 170	A 0.5 170	A 0.5 170	A 0.4 170	A
5	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0.1 97	A 0.2 97	A 0.2 97	A 0.2 97	A 0.1 97	A 0.1 97	A 0. 97	A
6	A 0.1 77	A 0.1 77	A 0.2 77	A 0.2 77	A 0.1 77	A 0.2 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A
7	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F

## 2.77 4\_Trig\_functions\4.1bCosine\4.1.1.3(gtan)^p(a+bcos)^m

Table 79: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	B 0.2 105	B 0.2 105	B 0.3 105	B 0.1 105	B 0.1 105	B 0.2 105	B 0.2 105	B 0.2 105	B 0.2 105	B 0.2 105	B 0.1 105	B 0.1 105	A
2	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0.1 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A
3	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A
4	A 0.2 67	A 0.2 67	A 0.4 67	A 0.4 67	A 0.3 67	A 0.4 67	A 0.5 67	A 0.5 67	A 0.5 71	A 0.4 71	A 0.4 71	A 0.2 66	A
5	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F

## 2.78 4\_Trig\_functions\4.1bCosine\4.1.2.1(a+bcos)^m(c+dcos)^n

Table 80: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 75	A 0.1 75	A 0.2 75	A 0.2 75	A 0.1 75	A 0.2 75	A 0.1 74	A 0.2 74	A 0.1 74	A 0.1 74	A 0.1 74
2	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32
3	A 0.1 73	A 0.1 73	A 0.2 73	A 0.2 73	A 0.2 73	A 0.3 73	A 0.3 73	A 0.3 73	A 0.2 73	A 0.2 73	A 0.2 73
4	A 0.3 58	A 0.3 58	A 0.5 58	B 6.5 797	B 6.5 797	B 6.7 797	B 6.7 797	B 6.7 797	B 6.7 797	B 6.7 797	B 6.7 797
5	A 0.1 63	A 0.1 63	A 0.1 63	A 0.2 63	A 0.2 63	A 0.2 63	A 0.2 63	A 0.2 63	A 0.2 63	A 0.2 63	A 0.2 63
6	A 0.1 56	A 0.1 56	A 0.2 56	A 0.1 56	A 0.1 56	A 0.2 56	A 0.2 56	A 0.2 56	A 0.2 56	A 0.2 56	A 0.2 56
7	A 0.7 91	A 0.8 91	A 1.1 91	A 0.1 91	A 0.1 91	A 0.2 91	A 0.2 91	A 0.2 91	A 0.2 91	A 0.1 91	A 0.1 91
8	A 1.4 111	A 1.6 111	A 2.5 111	B 1.6 498	B 1.5 498	B 2. 498	B 2.6 498	B 2.6 498	B 2.4 498	B 2.5 498	B 2.4 498
9	A 0.8 173	A 0.8 173	A 1.3 173	A 0.3 173	A 0.3 173	A 0.4 173	A 0.5 173	A 0.5 173	A 0.5 173	A 0.4 173	A 0.4 173
10	B 1.2 244	B 1.2 244	B 1.8 244	B 1.4 244	B 1.4 244	B 2. 244	B 2.6 244	B 2.6 244	B 2.3 244	B 1.9 244	B 1.7 244
11	A 0.5 115	A 0.5 115	A 0.8 115	A 0.5 199	A 0.4 199	A 0.5 199	A 0.7 199	A 0.7 199	A 0.7 199	A 0.6 199	A 0.6 199
12	B 0.6 201	B 0.6 201	B 0.9 201	B 0.6 201	B 0.5 201	B 0.7 201	B 0.9 201	B 0.9 201	B 0.8 201	B 0.8 201	B 0.7 201
13	B 1.1 286	B 1.2 286	B 1.7 286	B 1.2 286	B 1.1 286	B 1.5 286	B 2. 286	B 2. 286	B 1.7 286	B 1.6 286	B 1.5 286
14	A 1.6 135	A 1.8 135	A 2.8 135	A 0.5 263	A 0.5 263	A 0.7 263	A 0.8 263	A 0.8 263	A 0.7 263	A 0.6 263	C 6.1 96
15	A 0.8 56	A 0.9 56	A 1.4 56	A 0.3 99	A 0.3 99	A 0.4 99	A 0.5 99	A 0.5 99	A 0.5 99	A 0.4 99	A 3.1 99
16	A 8. 143	A 8.2 143	A 9.8 143	A 0.8 345	A 0.8 345	A 1.1 345	A 1.4 345	A 1.4 345	A 1.3 345	A 1.1 345	C 6.1 12
17	A 6.9 127	A 7.4 127	B 10.2 919	A 0.5 280	A 0.5 280	A 0.7 280	A 0.9 280	A 0.9 280	A 0.8 280	A 0.7 280	C 6.1 99
18	A 0. 50	A 0. 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	C 35.9 1294	C 35.1 1294	C 56.9 139	F 0 0	C 11.9 32
19	A 0.1 94	A 0.1 94	A 0.2 94	A 0.2 94	A 0.2 94	A 0.2 94	C 39.9 1671	C 40. 1671	C 59.8 222	F 0 0	C 3.1 36
20	A 0.2 93	A 0.2 93	A 0.4 93	A 0.3 93	A 0.3 93	A 0.4 93	A 0.5 93	A 0.5 93	A 0.4 93	A 0.4 93	A 0.4 93
21	A 0.2 110	A 0.2 110	A 0.4 110	A 0.4 110	A 0.4 110	A 0.4 110	C 40.5 1825	C 40.3 1825	F 0 0	F 0 0	C 3.5 37
22	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.2 71	A 0.2 71	A 0.2 71	A 0.2 71	A 0.2 71
23	C 1.6 284	C 6.7 284	C 7.7 284	C 37. 1825	C 35.7 1825	C 39.6 1825	C 40.5 1825	C 40. 1825	F 0 0	F 0 0	C 2.8 37
24	A 0.1 83	A 0.2 83	A 0.2 83	A 0.3 83	A 0.2 83	A 0.4 83	A 0.4 83	A 0.4 83	A 0.4 83	A 0.4 83	A 0.3 83
25	A 0.1 84	A 0.1 84	A 0.2 84	A 0.2 104	A 0.1 104	A 0.5 104	A 0.2 104	A 0.2 104	A 0.2 104	A 0.2 104	A 0.2 104
26	C 1.4 385	C 1.5 385	C 2.3 385	C 31.6 1921	C 30.8 1921	C 36.2 1921	C 40.9 1921	C 40.7 1921	C 60.3 266	F 0 0	C 3.6 49
27	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.2 54	A 0.4 154	A 0.4 154	A 0.4 154	A 0.4 154	A 0.3 154
28	A 0.2 65	A 0.2 65	A 0.3 65	A 0.3 65	A 0.3 65	A 0.3 65	A 2.1 119	A 2.2 119	A 2. 119	A 1.9 119	A 2. 119
29	C 3.4 222	C 3.6 222	C 5.4 222	C 5.2 222	C 5.3 222	C 6.2 424	C 6.2 424	C 6.2 424	C 6.2 424	C 6.2 424	C 5. 222
30	C 1.3 155	C 1.3 155	C 2. 155	C 24.8 155	C 23.4 155	C 34. 155	C 25.3 155	C 23.1 155	C 18.5 155	C 16.3 155	C 28.6 155

Table 80 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	C	6.3	477	C	6.3	477	C	6.4	477	C	6.2	477	C	6.2	477	C	6.3	477	C	6.3	477	C	6.3	477	C	6.3	477	C	6.2	477	C	6.2	477
32	C	6.8	255	C	7.	255	C	7.3	532	C	6.1	532	C	6.1	532	C	6.2	532	C	6.2	532	C	6.2	532	C	6.2	532	C	6.2	532	C	6.1	532
33	C	0.4	146	C	0.4	146	C	0.6	146	C	4.8	240	C	4.5	240	C	6.	240	C	6.2	465	C	6.3	465	C	6.2	465	C	6.2	465	C	4.6	240
34	C	1.3	157	C	1.4	157	C	2.2	157	C	4.6	349	C	4.3	349	C	6.8	349	C	7.5	435	C	7.4	435	C	6.9	349	C	4.7	349	C	3.3	349
35	C	2.5	364	C	2.5	364	C	3.4	364	C	2.1	364	C	2.	364	C	2.7	364	C	3.6	364	C	3.2	364	C	2.8	364	C	2.4	364	C	2.1	364
36	C	2.8	394	C	2.9	394	C	3.9	394	C	2.8	394	C	2.6	394	C	3.5	394	C	4.6	394	C	4.3	394	C	3.7	394	C	3.6	394	C	3.1	394
37	A	0.	39	A	0.	39	A	0.1	39	A	0.1	39	A	0.	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39
38	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.2	51	A	0.1	51	A	0.1	51	A	0.1	51
39	A	0.2	92	A	0.2	92	A	0.3	92	A	0.3	92	A	0.2	92	A	0.3	92	C	5.7	397	C	4.6	397	C	4.	397	C	3.4	397	C	3.2	397
40	A	0.2	107	C	9.1	356	C	10.2	356	C	10.1	356	C	10.	356	C	12.6	305	C	9.8	850	C	8.7	850	C	8.8	866	C	6.2	482	C	5.7	482
41	A	0.2	74	A	5.2	74	A	5.3	74	A	5.3	74	A	5.3	74	A	5.3	74	A	0.4	74	A	0.4	74	A	0.4	74	A	0.4	74	A	0.3	74
42	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.2	51	A	0.2	51	A	0.2	51	A	0.2	51	A	0.1	51
43	A	0.1	122	A	0.1	122	A	0.2	122	C	1.4	227	C	1.3	227	C	2.	227	C	2.4	233	C	2.1	233	C	1.9	233	C	1.7	233	C	1.5	233
44	A	0.1	89	A	0.1	89	A	0.1	89	C	0.4	161	C	0.4	161	C	0.6	161	C	0.9	197	C	0.8	197	C	0.7	197	C	0.5	197	C	0.5	197
45	A	0.	51	A	0.	51	A	0.1	51	A	0.1	51	A	0.	51	A	0.1	51	C	0.6	136	C	0.6	136	C	0.5	136	C	0.4	136	C	0.4	136
46	A	0.1	99	C	1.6	180	C	2.4	180	C	2.4	180	C	2.2	180	C	3.2	180	C	1.8	146	C	1.5	146	C	1.3	177	C	1.1	177	C	1.	177
47	A	0.2	118	A	0.4	106	A	0.6	106	A	0.5	106	A	0.5	106	A	0.7	106	C	1.7	250	C	1.5	250	C	1.3	250	C	1.	250	C	1.4	191
48	A	0.5	191	A	0.5	191	A	0.8	191	C	6.7	349	C	6.6	349	C	6.9	349	C	7.1	382	C	7.	382	C	6.9	382	C	6.8	382	C	6.7	382
49	A	1.7	176	A	1.8	176	A	2.8	176	A	2.8	176	A	2.6	176	A	3.4	176	C	6.8	382	C	6.8	382	C	6.8	382	C	5.8	230	C	6.5	382
50	C	0.6	155	C	0.6	155	C	0.9	155	C	3.9	252	C	3.6	252	C	1.2	252	C	4.5	340	C	3.6	340	C	3.4	340	C	2.9	340	C	2.3	340
51	C	0.3	124	C	0.3	124	C	0.5	124	C	0.5	277	C	0.4	277	C	0.7	277	C	3.7	242	C	3.2	242	C	3.1	243	C	2.4	243	C	2.2	243
52	C	0.5	161	C	0.6	161	C	0.9	161	C	0.5	161	C	0.5	161	C	0.7	161	C	1.	191	C	0.9	191	C	0.8	191	C	0.7	191	C	0.5	191
53	C	1.	218	C	0.9	218	C	1.5	218	C	0.9	218	C	0.9	218	C	1.1	218	C	3.6	192	C	3.2	192	C	2.8	192	C	2.5	192	C	1.9	200
54	C	0.7	227	C	0.7	227	C	1.1	227	C	0.9	227	C	0.8	227	C	1.2	227	C	2.2	228	C	1.9	228	C	1.8	228	C	1.5	228	C	1.3	228
55	C	0.2	110	C	0.2	110	C	0.3	110	C	0.1	110	C	0.1	110	C	0.2	110	C	0.2	129	C	0.2	129	C	0.2	129	C	0.2	129	C	0.2	129
56	C	1.3	268	C	1.3	268	C	2.	268	C	1.7	268	C	1.6	268	C	2.3	268	C	3.6	268	C	3.1	268	C	2.1	266	C	2.1	266	C	1.2	266
57	C	1.9	149	C	1.8	149	C	2.8	149	C	1.8	149	C	1.7	149	C	2.8	149	C	3.3	149	C	2.9	149	C	2.5	149	C	6.1	500	C	1.4	160
58	C	1.5	157	C	1.5	157	C	2.2	157	C	1.1	157	C	1.1	157	C	1.5	157	C	1.9	157	C	1.8	157	C	1.6	157	C	2.2	284	C	1.3	157
59	C	2.3	146	C	2.2	146	C	2.9	146	C	1.9	146	C	1.9	146	C	2.7	146	C	3.6	146	C	3.2	146	C	2.3	146	C	6.1	500	C	1.2	160
60	C	3.	146	C	3.	146	C	4.3	146	C	1.7	146	C	1.6	146	C	2.3	146	C	3.8	146	C	3.3	146	C	2.5	146	C	1.1	232	C	1.4	160
61	C	1.5	311	C	1.6	311	C	2.4	311	C	1.9	311	C	1.8	311	C	2.5	311	C	3.2	311	C	2.9	311	C	2.5	311	C	2.9	264	C	1.4	311
62	A	0.5	98	A	0.6	98	A	0.9	98	A	0.4	98	A	0.4	98	A	0.4	98	A	0.6	98	A	0.6	98	A	0.6	98	A	0.3	63	A	0.6	98
63	C	1.8	363	C	1.9	363	C	2.9	363	C	2.3	363	C	2.2	363	C	2.8	363	C	4.	363	C	3.5	363	C	3.	366	C	2.9	366	C	1.9	366
64	C	1.6	363	C	1.7	363	C	2.5	363	C	2.2	363	C	2.1	363	C	2.6	363	C	3.5	363	C	3.	363	C	2.8	366	C	3.8	334	C	2.	366

Table 80 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
65	C	1.7	363	C	1.8	363	C	2.5	363	C	2.	363	C	1.9	363	C	2.8	363	C	3.6	363	C	3.3	363	C	3.2	366	C	3.2	334	C	1.7	36
66	C	2.4	272	C	2.6	272	C	4.	272	C	3.3	272	C	3.1	272	C	4.	272	C	4.7	281	C	4.4	281	C	4.	281	C	7.6	656	C	5.	30
67	C	2.	378	C	2.2	378	C	3.2	378	C	2.3	378	C	2.1	378	C	3.2	378	C	4.1	378	C	3.6	378	C	3.1	381	C	3.9	349	C	2.	38
68	A	0.1	71	A	0.2	71	A	0.2	71	A	0.2	71	A	0.2	71	A	0.3	71	A	0.4	71	A	0.4	71	A	0.3	71	A	0.2	66	A	0.3	7
69	A	0.	39	A	0.	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	3
70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	C	4.4	216	C	3.8	216	C	3.2	216	C	2.7	250	C	2.4	21
71	A	0.1	97	A	0.1	97	A	0.1	97	A	0.1	97	A	0.1	97	A	0.1	97	C	4.5	349	C	3.6	349	C	3.5	349	C	2.4	354	C	2.4	34
72	A	0.1	52	A	0.1	52	A	0.2	52	A	0.2	52	A	0.1	52	A	0.2	52	A	0.2	52	A	0.3	52	A	0.2	52	A	0.2	67	A	0.2	5
73	A	0.3	126	A	0.4	126	A	0.6	126	A	0.6	126	A	0.5	126	A	0.7	126	C	6.7	433	C	5.8	433	C	5.2	433	C	3.5	438	C	3.6	43
74	C	0.4	132	C	1.1	178	C	1.5	178	C	2.1	178	C	1.9	178	C	2.6	178	C	0.8	170	C	0.8	170	C	0.7	170	C	0.6	170	C	0.5	17
75	C	0.2	134	C	0.1	180	C	0.2	180	C	0.2	180	C	0.2	180	C	1.	180	C	0.3	172	C	0.3	172	C	0.2	172	C	0.1	172	C	0.1	17
76	C	1.3	220	C	6.8	458	C	7.2	458	C	7.3	458	C	7.2	458	C	7.7	458	C	2.7	288	C	2.4	288	C	2.2	288	C	1.7	264	C	5.7	22
77	C	0.9	198	A	0.3	99	A	0.5	99	A	0.5	99	A	0.5	99	A	0.6	99	C	6.	277	C	4.9	277	C	4.1	282	C	1.3	257	C	3.7	22
78	C	1.8	281	A	2.7	153	A	4.2	153	A	4.2	153	A	4.	153	A	5.1	153	C	6.9	424	C	6.9	424	C	6.8	424	C	2.8	424	C	3.8	26
79	C	1.8	281	A	2.5	153	A	3.8	153	A	3.9	153	A	3.7	153	A	4.4	153	C	6.8	424	C	6.9	424	C	6.8	424	C	6.	230	C	3.7	26
80	C	6.9	454	C	7.	454	C	7.5	454	C	6.9	454	C	6.8	454	C	7.	454	C	7.3	487	C	7.2	487	C	7.1	487	C	6.9	445	C	6.9	48
81	A	0.5	141	A	0.4	141	A	0.6	141	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
82	A	0.1	89	A	0.1	89	A	0.2	89	A	0.2	89	A	0.2	89	A	0.2	89	A	0.2	92	A	0.2	92	A	0.2	92	A	0.2	92	A	0.1	9
83	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	B	0.	73	B	0.	73	B	0.	73	B	0.	73	B	0.	7
84	A	0.2	59	A	0.2	59	A	0.3	59	A	0.3	76	A	0.2	76	A	0.3	76	B	6.	227	B	6.	227	B	6.	227	A	5.8	112	A	4.6	10
85	A	0.2	86	A	0.2	86	A	0.3	86	A	0.2	86	A	0.2	86	A	0.2	86	A	0.2	86	A	0.2	86	A	0.2	86	A	0.2	86	A	0.2	8
86	A	0.2	80	A	0.2	80	A	0.3	80	A	0.1	80	A	0.1	80	A	0.2	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	8
87	A	0.6	88	A	0.6	88	A	1.	88	A	0.4	88	A	0.3	88	A	0.4	88	A	0.5	88	A	0.5	88	A	0.5	90	A	0.5	90	A	0.5	9
88	A	0.3	90	A	0.3	90	A	0.5	90	A	0.5	90	A	0.4	90	A	0.6	90	B	6.1	455	B	6.1	455	B	6.1	455	B	6.1	455	B	6.1	45
89	A	0.6	120	A	0.6	120	A	0.9	120	A	0.9	120	A	0.8	120	A	1.	120	B	6.1	619	B	6.1	619	B	6.1	619	B	6.1	619	B	6.1	61
90	A	0.6	156	A	0.7	156	A	1.1	156	A	0.5	156	A	0.4	156	A	0.5	156	A	0.5	156	A	0.5	156	A	0.5	156	A	0.4	156	A	0.4	15
91	A	0.6	153	A	0.6	153	A	0.9	153	A	0.6	153	A	0.6	153	A	0.8	153	A	0.9	153	A	0.9	153	A	0.8	153	A	0.7	153	A	0.7	15
92	A	0.2	102	A	0.2	102	A	0.3	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	10
93	A	0.2	84	A	0.2	84	A	0.3	84	A	0.2	84	A	0.2	84	A	0.3	84	A	0.3	84	A	0.3	84	A	0.3	84	A	0.3	84	A	0.3	8
94	A	0.9	163	A	0.9	163	A	1.3	163	A	1.	163	A	0.9	163	A	1.1	163	A	1.5	163	A	1.5	163	A	1.4	163	A	2.	163	A	1.2	16
95	A	0.3	113	A	0.3	113	A	0.5	113	A	0.4	113	A	0.4	113	A	0.6	113	A	0.7	113	A	0.7	113	A	0.6	113	A	0.5	113	A	0.5	11
96	A	2.9	205	A	3.	205	A	4.6	205	A	4.3	205	A	4.	205	A	5.5	205	A	6.2	334	A	6.2	334	A	6.2	334	A	6.2	334	A	6.1	33
97	A	0.8	164	A	0.9	164	A	1.3	164	A	1.2	164	A	1.	164	A	1.3	164	A	1.8	164	A	1.8	164	A	1.7	164	A	3.	164	A	1.4	16
98	A	12.1	81	A	14.	81	A	17.6	81	A	2.2	81	A	2.2	81	A	2.2	81	A	0.8	81	A	2.2	81	A	2.2	81	A	0.7	81	A	0.6	8

Table 80 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
99	A	0.9	214	A	1.	214	A	1.4	214	A	1.2	214	A	1.1	214	A	1.8	214	A	2.4	214	A	2.6	214	A	2.3	214	A	1.6	214	A	4.	214
100	C	10.9	157	C	11.	157	C	11.4	157	C	1.2	157	C	1.1	157	C	1.5	157	C	1.8	157	C	12.6	987	C	14.	1085	C	1.5	157	C	2.	157
101	A	0.2	94	A	0.2	94	A	0.3	94	A	0.1	94	A	0.1	94	A	0.2	94	A	0.2	94	A	0.2	94	A	0.1	94	A	0.1	94	A	1.2	94
102	A	0.1	61	A	0.1	61	A	0.2	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.3	61
103	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.6	57
104	A	1.	242	A	1.	242	A	1.6	242	A	1.4	242	A	1.3	242	A	1.8	242	A	2.1	242	A	2.1	242	A	1.9	242	A	1.8	242	A	1.7	242
105	A	0.6	159	A	0.6	159	A	0.9	159	A	0.7	159	A	0.7	159	A	0.9	159	A	1.1	159	A	1.1	159	A	1.	159	A	0.9	159	A	3.1	159
106	C	3.1	464	C	3.3	464	C	16.2	464	C	5.1	464	C	4.7	464	C	6.5	464	C	6.7	622	C	14.8	2160	C	15.4	2160	C	6.6	622	C	6.5	464
107	C	5.1	517	C	5.4	517	C	6.7	638	C	6.6	638	C	6.5	638	C	7.	638	C	6.8	638	C	14.9	2176	C	15.4	2176	C	6.5	638	C	6.5	638
108	A	0.2	70	A	0.2	70	A	0.3	70	A	0.1	70	A	0.1	70	A	0.2	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70
109	A	0.2	94	A	0.2	94	A	0.3	94	A	0.1	94	A	0.1	94	A	0.2	94	A	0.2	94	A	0.2	94	A	0.2	94	A	0.1	94	A	1.1	94
110	A	0.2	51	A	0.2	51	A	0.2	51	A	0.2	51	A	0.1	51	A	0.2	51	A	0.2	51	A	0.2	51	A	0.2	51	A	0.2	51	A	0.2	51
111	A	0.2	95	A	0.3	95	A	0.4	95	A	0.3	95	A	0.3	95	A	0.4	95	A	0.5	95	A	0.5	95	A	0.4	95	A	0.4	95	A	1.5	95
112	A	0.5	124	A	0.6	124	A	0.9	124	A	0.4	124	A	0.4	124	A	0.5	124	A	0.5	124	A	0.5	124	A	0.5	124	A	0.5	124	A	1.6	124
113	A	10.4	81	A	10.4	81	A	10.6	81	A	0.3	81	A	0.3	84	A	0.4	84	A	0.3	84	C	18.9	642	C	14.9	593	A	0.2	84	A	4.	84
114	A	11.4	272	A	11.5	272	A	12.3	272	A	2.1	272	A	1.9	276	A	2.4	276	A	2.9	276	C	24.4	1390	C	24.	1389	A	2.6	276	A	2.4	276
115	A	1.7	301	A	1.8	301	A	2.8	301	A	3.	301	A	2.7	305	A	3.7	305	A	4.6	305	C	9.6	1432	C	9.8	1431	A	3.7	305	A	3.	305
116	A	9.5	399	A	10.1	399	A	13.2	443	A	13.3	443	A	12.9	443	A	14.2	443	A	17.1	443	A	17.6	443	A	16.6	443	C	23.7	1245	A	16.	443
117	C	16.9	1203	C	17.1	1203	C	19.3	1203	C	19.1	1203	C	18.8	1203	C	20.	1203	C	21.2	1203	C	9.1	1203	C	9.	1203	C	21.3	1203	C	20.4	1203
118	C	6.4	1302	C	6.4	1302	C	6.6	1302	C	6.3	1302	C	6.3	1302	C	6.3	1302	C	6.3	1302	C	6.3	1302	C	6.3	1302	C	6.3	1302	A	17.2	500
119	C	6.4	1282	C	6.4	1282	C	6.6	1282	C	6.3	1282	C	6.3	1282	C	6.4	1282	C	6.4	1282	C	6.4	1282	C	6.3	1282	C	6.3	1282	C	6.3	1282
120	C	6.3	1273	C	6.3	1273	C	6.4	1273	C	6.2	1273	C	6.3	1273	C	6.3	1273	C	6.3	1273	C	6.3	1273	C	6.3	1273	C	6.3	1273	C	6.3	1273
121	C	6.4	1321	C	6.4	1321	C	6.6	1321	C	6.4	1321	C	6.4	1321	C	6.5	1321	C	6.5	1321	C	6.5	1321	C	6.5	1321	C	6.5	1321	C	6.5	1321
122	B	0.7	156	B	0.8	156	B	1.2	156	B	1.	156	B	0.9	156	B	1.2	156	B	1.1	156	B	1.	156	B	0.9	156	B	0.9	156	B	0.8	156
123	B	0.3	158	B	0.3	158	B	0.4	158	B	0.3	158	B	0.3	158	B	0.5	158	B	0.4	158	B	0.3	158	B	0.3	158	B	0.3	158	B	0.3	158
124	A	1.2	154	A	1.4	154	A	2.	154	A	1.3	154	A	1.2	154	A	1.5	154	A	1.5	154	A	1.5	154	A	1.4	154	A	1.4	154	A	1.2	154
125	B	1.6	201	B	1.7	201	B	2.6	201	A	1.8	145	A	1.7	147	A	2.	147	A	2.6	147	A	2.5	147	A	2.3	147	A	2.9	147	A	2.	147
126	A	1.5	155	A	1.6	155	A	2.5	155	A	2.2	155	A	2.4	175	A	2.8	175	A	3.7	175	A	3.7	175	A	3.4	175	A	4.	175	A	2.8	175
127	C	1.1	128	C	1.1	128	C	1.7	128	A	1.4	115	A	1.4	117	A	1.6	117	A	2.1	117	A	1.8	117	A	1.8	117	A	2.3	117	A	1.5	117
128	B	47.6	8782	B	40.9	8782	B	41.8	8782	B	28.7	8782	B	28.2	8782	B	35.4	14428	B	33.1	14428	B	21.6	2240	B	20.6	2240	B	23.3	2240	B	16.9	2240
129	B	39.4	4614	B	34.6	4614	B	35.8	4614	B	21.9	4614	B	21.9	4614	B	23.8	4614	B	24.4	4685	B	4.	474	B	3.7	474	B	4.2	474	B	3.	474
130	B	39.4	4613	B	34.5	4613	B	35.7	4613	B	21.6	4613	B	21.8	4613	B	24.3	4613	B	24.1	4613	B	4.3	473	B	3.8	473	B	4.1	473	B	2.9	473
131	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
132	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0



Table 80 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
133	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
134	A	0.9	139	A	1.	139	A	0.9	139	A	0.9	139	A	0.9	139	A	1.1	139	A	1.4	139	A	1.6	139	A	1.3	139	A	1.	114	A	1.1	139
135	A	0.9	100	A	1.	100	A	1.	100	A	0.5	100	A	0.4	100	A	0.6	100	A	0.7	100	A	0.8	100	A	0.7	101	A	0.4	80	A	0.6	100
136	A	1.3	134	A	1.5	134	A	1.4	134	A	1.6	134	A	1.6	134	A	2.9	134	A	3.8	134	A	4.	134	A	2.2	134	A	0.8	103	A	1.7	139
137	A	0.9	106	A	1.	106	A	0.9	106	A	0.5	106	A	0.5	106	A	0.6	106	A	0.7	106	A	0.8	106	A	0.6	106	A	1.2	85	A	0.6	100
138	A	0.9	108	A	0.9	108	A	0.8	108	A	0.6	108	A	0.6	108	A	0.8	108	A	0.9	108	A	0.9	108	A	0.6	108	A	0.5	88	A	0.5	100
139	A	1.4	159	A	1.6	159	A	1.3	159	A	1.2	159	A	1.1	159	A	2.	159	A	2.6	159	A	2.8	159	A	2.4	159	A	1.3	137	A	1.5	159
140	A	38.	429	A	38.3	429	A	38.	429	B	6.8	665	B	6.7	671	B	6.9	671	B	6.7	671	C	25.3	2182	C	25.7	2133	A	2.4	276	A	10.4	479
141	A	24.6	353	A	23.5	353	A	23.2	353	A	12.7	353	A	12.7	353	A	14.7	390	A	17.9	390	A	17.2	390	A	16.3	390	C	23.7	1233	A	15.	360
142	A	4.4	146	A	4.3	146	A	4.1	146	A	1.5	146	A	1.4	148	A	1.7	148	A	2.1	148	A	2.1	148	A	1.9	148	A	1.7	139	A	1.3	146
143	A	15.6	837	A	16.1	837	A	15.7	837	C	18.2	1113	C	17.9	1113	C	18.8	1113	C	19.	1113	C	32.	56239	C	31.8	56239	C	24.6	1152	C	17.8	1113
144	A	9.2	377	A	9.8	377	A	9.4	377	A	12.4	399	A	12.	401	A	12.7	401	A	18.5	556	C	31.9	26572	C	31.8	26572	A	16.3	333	A	17.5	556
145	A	11.	296	A	11.3	296	A	10.7	234	A	12.5	296	A	12.3	296	A	13.3	296	A	15.5	296	A	15.3	296	A	14.5	296	A	8.2	211	A	13.2	296
146	A	0.8	103	A	0.8	103	A	0.7	103	A	0.9	103	A	0.8	103	A	1.	103	A	1.2	103	A	1.2	103	A	1.1	103	A	2.2	170	A	0.8	100
147	A	12.3	678	A	12.7	678	A	11.8	678	C	19.	1153	C	18.7	1153	C	19.6	1153	C	20.3	1153	C	32.1	55748	C	31.9	55748	C	21.2	1158	C	18.5	1153
148	A	15.2	893	A	15.8	893	A	15.5	893	C	18.1	1175	C	18.1	1175	C	18.6	1175	C	18.9	1175	C	31.8	51015	C	31.7	51015	C	25.2	985	C	17.6	1153
149	A	13.2	1025	A	13.4	1025	A	13.1	1025	A	15.4	1025	A	15.7	1033	A	16.5	1033	A	17.5	1033	C	32.1	47911	C	32.	47911	C	6.3	1201	A	15.4	1000
150	A	12.6	525	A	13.	525	A	12.7	525	A	16.9	525	A	17.5	525	A	18.6	525	B	25.7	3306	B	25.	3306	B	23.9	3306	C	6.5	1353	B	22.	3306
151	A	0.3	159	A	0.3	159	A	0.3	159	A	0.4	159	A	0.4	159	A	0.5	159	A	0.4	141	A	0.4	141	A	0.4	141	A	0.4	141	A	0.5	141
152	A	0.1	107	A	0.1	107	A	0.1	107	A	0.2	107	A	0.2	107	A	0.2	107	A	0.2	99	A	0.2	99	A	0.2	99	A	0.2	99	A	0.3	100
153	A	0.5	27	A	0.5	27	A	0.5	27	A	0.2	31	A	0.2	31	A	0.3	31	A	0.3	31	A	0.3	31	A	0.3	31	A	0.2	31	A	0.2	31
154	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.2	45	A	0.2	45	A	0.2	45	A	0.2	45	A	0.2	45
155	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1	33
156	A	0.2	22	A	0.2	22	A	0.2	22	A	0.1	22	A	0.1	22	A	0.1	22	A	0.1	22	A	0.1	22	A	0.	22	A	0.	22	A	0.	22
157	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.	31	A	0.	31
158	A	0.4	189	A	0.5	189	A	0.4	189	A	0.5	189	A	0.5	189	A	0.6	189	A	0.7	189	A	0.7	189	A	0.7	189	A	0.6	189	A	0.6	189
159	A	0.5	73	A	0.5	73	A	0.5	73	A	0.2	73	A	0.2	73	A	0.3	73	A	0.3	73	A	0.3	73	A	0.3	73	A	0.2	73	A	0.3	73
160	A	0.4	73	A	0.4	73	A	0.4	73	A	0.2	73	A	0.2	73	A	0.2	73	A	0.3	73	A	0.3	73	A	0.3	73	A	0.2	73	A	0.2	73
161	A	0.7	102	A	0.8	102	A	0.7	102	A	0.4	102	A	0.4	102	A	0.5	102	A	0.7	102	A	0.7	102	A	0.6	102	A	0.6	102	A	0.5	100
162	A	0.5	88	A	0.5	88	A	0.5	88	A	0.3	88	A	0.3	88	A	0.3	88	A	0.4	88	A	0.5	88	A	0.4	88	A	0.4	88	A	0.4	88
163	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54
164	A	0.	57	A	0.	57	A	0.	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.	57	A	0.	57
165	A	0.	50	A	0.	50	A	0.	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.2	93	A	0.2	93	A	0.2	93	A	0.2	93
166	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.5	160	A	0.5	160	A	0.5	160	A	0.4	160	A	0.4	160

Table 80 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
167	A	0.4	81	A	0.4	81	A	0.4	81	A	0.2	81	A	0.2	81	A	0.3	81	A	0.4	81	A	0.3	81	A	0.4	81	A	0.3	81	A	0.2	81
168	A	0.3	69	A	0.3	69	A	0.3	69	A	0.2	69	A	0.1	69	A	0.2	69	A	0.2	69	A	0.2	69	A	0.2	69	A	0.2	69	A	0.2	69
169	A	0.2	58	A	0.2	58	A	0.2	58	A	0.1	58	A	0.1	58	A	0.2	58	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	58
170	A	0.	50	A	0.	50	A	0.	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.2	94	A	0.2	94	A	0.2	94	A	0.1	94	A	0.1	94
171	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.4	160	A	0.4	160	A	0.3	160	A	0.2	160	A	0.2	160
172	A	0.9	69	A	1.	69	A	0.9	69	A	0.2	69	A	0.2	69	A	0.2	69	A	0.2	69	A	0.2	69	A	0.2	69	A	0.2	69	A	0.2	69
173	A	0.2	57	A	0.3	57	A	0.2	57	A	0.1	57	A	0.1	57	A	0.2	57	A	0.2	57	A	0.2	57	A	0.2	57	A	0.2	57	A	0.1	57
174	A	0.	50	A	0.	50	A	0.	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.2	93	A	0.2	93	A	0.2	93	A	0.1	93	A	0.1	93
175	A	0.	50	A	0.	50	A	0.	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	93	A	0.1	93	A	0.1	93	A	0.1	93	A	0.1	93
176	A	0.1	86	A	0.1	86	A	0.1	86	A	0.1	86	A	0.1	86	A	0.2	86	C	20.8	3395	C	20.8	3395	C	20.7	3395	C	20.7	3395	C	20.3	3395
177	A	0.1	86	A	0.1	86	A	0.1	86	A	0.1	86	A	0.1	86	A	0.2	86	C	20.9	3420	C	20.9	3420	C	20.6	3420	C	20.7	3420	C	20.1	3420
178	A	0.	87	A	0.	87	A	0.	87	A	0.	87	A	0.	87	A	0.	87	C	6.1	3397	C	6.1	3397	C	6.1	3397	C	6.	3397	C	6.	3397
179	A	0.1	94	A	0.1	94	A	0.1	94	A	0.2	94	A	0.2	94	A	0.2	94	C	6.1	3412	C	6.1	3412	C	6.1	3412	C	6.1	3412	C	6.1	3412
180	A	0.1	85	A	0.1	85	A	0.1	85	A	0.1	85	A	0.1	85	A	0.1	85	C	20.9	3443	C	20.8	3443	C	20.6	3443	C	20.9	3443	C	20.1	3443
181	A	0.1	94	A	0.1	94	A	0.1	94	A	0.2	94	A	0.2	94	A	0.2	94	C	20.8	4139	C	20.8	4139	C	19.3	3333	C	21.2	3333	C	18.9	3333
182	A	0.1	86	A	0.1	86	A	0.1	86	A	0.2	86	A	0.2	86	A	0.2	86	C	20.	3347	C	20.1	3347	C	19.3	3352	C	21.	3352	C	18.8	3352
183	A	0.2	120	A	0.2	120	A	0.2	120	A	0.3	120	A	0.3	120	A	0.3	120	A	0.6	120	A	0.5	120	A	0.5	120	A	0.5	120	A	0.4	120
184	A	0.1	109	A	0.1	109	A	0.1	109	A	0.2	109	A	0.2	109	A	0.2	109	A	0.3	106	A	0.3	106	A	0.2	106	A	0.2	106	A	0.2	106
185	A	0.1	118	A	0.1	118	A	0.1	118	A	0.2	118	A	0.2	118	A	0.2	118	A	0.5	113	A	0.5	113	A	0.4	113	A	0.4	113	A	0.4	113
186	A	0.2	138	A	0.2	138	A	0.2	138	A	0.2	138	A	0.2	138	A	0.3	138	C	25.8	4948	C	9.	528	C	8.8	584	C	18.1	1354	C	6.3	584
187	A	0.2	140	A	0.2	140	A	0.2	140	A	0.3	140	A	0.3	140	A	0.4	140	C	24.7	4951	C	7.3	528	C	7.3	585	C	10.4	585	C	5.9	585
188	A	0.2	140	A	0.2	140	A	0.2	140	A	0.3	140	A	0.3	140	A	0.4	140	C	23.7	4853	C	7.4	493	C	6.9	493	C	9.4	493	C	5.1	493

2.79 4\_Trig\_functions\4.1bCosine\4.1.2.2(gsin)^p(a+bcos)^m(c+dcos)^n

Table 81: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
1	C 12. 264	C 11.7 264	C 10.8 264	C 5.5 264	C 5.4 272	C 6. 272	C 7.4 272	C 37.5 148989	C 37.4 148989	C 18.6 1911	C 5.8 272	C
2	C 26.8 581	C 18. 581	C 20.2 581	C 9.7 594	C 9.4 594	C 15.3 594	C 16.4 594	C 7.3 384	C 5.7 383	C 5.9 383	C 4.9 437	C
3	C 15.2 375	C 13.1 375	C 13.7 375	C 3.1 375	C 2.9 375	C 15.7 596	C 17.2 596	C 6.2 375	C 3.8 389	C 3.2 389	A 2.7 179	A
4	C 20.8 496	C 17.1 496	C 19.8 496	C 9. 496	C 8.5 504	C 22.4 5869	C 24.2 5869	C 13.7 504	C 14.1 1416	C 15.5 1416	C 17.5 1947	C

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## 2.80 4\_Trig\_functions\4.1bCosine\4.1.2.3(gcos)^p(a+bcos)^m(c+dcos)^n

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Table 82: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	B 1. 194	B 1.1 194	B 1.6 194	B 0.9 194	B 0.8 194	B 1. 194	B 1.2 194	B 1.1 194	B 1. 194	B 1. 194	B 0.9 194	A 1.2 122	A

## 2.81 4\_Trig\_functions\4.1bCosine\4.1.3.1(a+bcos)^m(c+dcos)^n(A+Bcos)

Table 83: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.2 77	A 0.2 77	A 0.4 77	A 0.3 77	A 0.3 77	A 0.3 77	A 0.4 110	A 0.4 110	A 0.4 110	A 0.4 110	A 0.4
2	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	B 0. 104	B 0.1 104	B 0. 104	B 0. 104	B 0.
3	A 0.3 84	A 0.3 84	A 0.5 84	A 0.2 61	A 0.2 61	A 0.2 61	A 0.3 61	A 0.3 61	A 0.3 61	A 0.2 61	A 0.2
4	A 1.1 113	A 1.3 113	A 1.5 113	A 0.3 113	A 0.3 113	A 0.4 113	A 0.4 113	A 0.4 113	A 0.4 113	A 0.3 113	A 0.3
5	B 9.2 380	B 9.4 380	B 10.2 380	B 6.2 380	B 6.2 380	B 6.2 380	B 6.1 380	B 6.1 380	B 6.1 380	B 6.1 380	B 6.1
6	A 3.9 132	A 4.2 132	A 5.1 178	A 1.9 326	A 1.9 326	A 3.6 326	A 3.6 326	A 4.6 326	A 3.8 326	A 2.6 326	B 2.2
7	A 4.5 232	A 4.4 232	A 5.1 217	A 1.7 306	A 1.7 306	A 3.9 306	A 5.6 306	A 6.2 306	A 5.2 306	A 2.3 306	A 5.5
8	A 0.4 93	A 0.4 93	A 0.6 93	B 0.3 126	B 0.3 126	B 0.4 126	B 0.4 126	B 0.4 126	B 0.4 126	B 0.3 126	B 0.3
9	B 0.5 109	B 0.5 109	B 0.6 109	B 0.3 109	B 0.3 109	B 0.3 109	B 0.4 109	B 0.4 109	B 0.4 109	B 0.3 109	B 0.3
10	A 0.1 43	A 0.1 43	A 0.2 43	A 0.2 76	A 0.2 76	A 0.2 76	A 0.3 76	A 0.3 76	A 0.3 76	A 0.3 76	A 0.2
11	B 1.8 264	B 1.9 264	B 2.7 264	B 1.9 264	B 1.8 264	B 2.2 264	B 2.9 264	B 3.1 264	B 2.7 264	B 2.4 264	B 2.2
12	A 1.1 163	A 1.2 163	A 1.7 163	A 0.4 163	A 0.4 163	A 0.6 163	A 0.8 163	A 0.8 163	A 0.7 163	A 0.5 163	C 6.2
13	A 0.3 81	A 0.4 81	A 0.3 81	A 0.4 109	A 0.4 109	A 0.4 109	A 0.5 109	A 0.5 109	A 0.5 109	A 0.5 109	A 5.7
14	B 7.8 722	B 7.9 722	B 8.7 798	B 6.5 798	B 6.5 798	B 6.6 798	B 6.7 798	B 6.7 798	B 6.7 798	B 6.7 798	C 6.6
15	A 0.2 64	A 0.2 64	A 0.3 64	A 0.3 64	A 0.3 64	A 0.3 64	A 0.4 64	A 0.4 64	A 0.4 64	A 0.3 64	A 0.3
16	A 0.6 125	A 0.6 125	A 1. 125	A 1.1 125	A 1.1 125	A 1.2 125	A 1.7 125	A 1.8 125	A 1.6 125	A 1.4 125	A 1.3
17	A 0.2 81	A 0.2 81	A 0.3 81	A 0.4 81	A 0.4 81	A 0.5 81	A 0.7 81	A 0.8 81	A 0.7 81	A 0.5 81	A 0.4
18	A 0.4 111	A 0.4 111	A 0.7 111	A 0.7 111	A 0.7 111	A 0.8 111	A 0.8 158	A 0.8 158	A 0.9 163	A 0.7 163	A 0.7
19	A 0.1 78	A 0.1 78	A 0.2 78	A 0.2 78	A 0.2 78	A 0.2 78	A 0.3 118	A 0.3 118	A 0.3 118	A 0.3 118	A 0.2
20	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	C 33.4 1682	C 32.3 1682	C 56.2 195	F 0 0	C 11.6
21	A 0.1 63	A 0.1 63	A 0.2 63	A 0.2 63	A 0.2 63	A 0.2 63	A 1. 113	A 1.1 113	A 1. 113	A 1. 113	A 0.9
22	A 1. 139	A 1. 139	A 1.6 139	A 1.6 139	A 1.6 139	A 2. 139	A 2.2 170	A 2.6 170	A 2. 185	A 1.7 185	A 2.4
23	A 0.3 80	A 0.3 80	A 0.5 80	A 0.5 80	A 0.5 80	A 0.6 80	A 4. 118	A 4.2 118	A 3.6 134	A 3.3 134	A 3.3
24	A 2.3 142	A 2.3 142	A 3.3 142	A 3.4 142	A 3.2 142	A 3.9 142	C 8.2 632	C 7.8 632	C 7.3 632	C 10.9 1257	C 8.4
25	C 6.9 872	C 7. 872	C 7.4 872	C 6.3 872	C 6.3 872	C 6.3 872	C 6.4 872	C 6.4 872	C 6.3 872	C 6.3 872	C 6.3
26	C 6.6 944	C 6.6 944	C 6.8 944	C 6.3 944	C 6.3 944	C 6.3 944	C 6.4 944	C 6.4 944	C 6.4 944	C 6.3 944	C 6.3
27	C 6. 311	C 6.2 311	C 7.9 624	C 6.5 624	C 6.4 624	C 6.5 624	C 6.6 624	C 6.6 624	C 6.6 624	C 6.5 624	C 6.5
28	C 8.4 890	C 8.5 890	C 9.2 890	C 6.6 890	C 6.6 890	C 6.7 890	C 6.8 890	C 6.9 890	C 6.8 890	C 6.8 890	C 6.7
29	C 7.2 858	C 7.3 858	C 7.9 858	C 6.5 1094	C 6.5 1094	C 6.6 1094	C 8.7 1094	C 8.4 1094	C 7.9 996	C 6.6 996	C 8.7
30	C 7.5 894	C 7.6 894	C 7.9 894	C 6.7 1130	C 6.6 1130	C 6.8 1130	C 6.9 1130	C 7. 1130	C 6.9 1032	C 6.8 1032	C 6.7

Table 83 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	C	7.6	980	C	7.6	980	C	8.3	980	C	6.8	1218	C	6.8	1218	C	6.8	1218	C	7.	1218	C	7.1	1218	C	7.	1120	C	7.	1120	C	6.9	
32	C	3.1	400	C	3.2	400	C	4.7	400	C	6.9	1273	C	6.9	1273	C	7.1	1273	C	7.2	1273	C	7.3	1273	C	7.2	1175	C	7.1	1175	C	7.1	
33	C	7.9	1029	C	7.8	1029	C	8.1	1029	C	6.8	1265	C	6.7	1265	C	6.8	1265	C	7.	1265	C	7.	1265	C	7.	1167	C	6.9	1167	C	6.9	
34	A	0.3	107	A	0.3	107	A	0.4	107	A	0.4	107	A	0.4	107	A	0.4	107	C	8.1	869	C	7.1	869	C	6.3	880	C	4.6	880	C	5.5	
35	A	0.5	130	A	0.5	130	A	0.7	130	A	0.8	130	A	0.8	130	A	0.9	130	C	9.9	920	C	9.2	920	C	9.2	936	C	8.4	936	C	8.	
36	A	0.4	228	A	0.4	228	A	0.6	228	C	2.	348	C	2.	348	C	2.2	348	C	3.	348	C	2.7	348	C	2.5	348	C	2.2	348	C	2.	
37	A	0.6	124	C	8.8	1759	C	10.	1759	C	9.9	1728	C	10.3	1728	C	7.5	197	C	1.9	235	C	1.6	235	C	1.7	216	C	1.5	216	C	2.2	
38	A	0.9	255	A	0.9	255	A	1.3	255	C	2.3	362	C	2.3	362	C	2.6	362	C	3.3	362	C	3.1	362	C	2.8	362	C	2.4	362	C	2.1	
39	A	0.9	171	A	0.8	171	A	1.1	171	C	2.	226	C	2.	226	C	2.2	226	C	4.1	313	C	3.6	313	C	3.3	313	C	2.7	313	C	2.4	
40	A	2.2	311	A	2.1	311	A	2.9	311	C	3.6	376	C	3.5	376	C	3.9	376	C	5.1	376	C	4.7	376	C	4.9	379	C	3.9	379	C	3.3	
41	A	1.2	252	A	1.1	252	A	1.6	252	C	2.2	246	C	2.3	246	C	2.5	246	C	4.3	329	C	3.8	329	C	3.4	332	C	2.9	332	C	2.5	
42	C	3.	239	C	10.6	1148	A	7.2	182	C	4.7	239	C	4.7	239	C	5.6	239	C	5.	256	C	4.7	256	C	3.7	259	C	3.8	259	C	3.4	
43	A	0.1	51	A	0.1	51	A	0.2	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	
44	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	B	0.	159	B	0.	159	B	0.	159	B	0.	159	B	0.	
45	A	0.2	67	A	0.2	67	A	0.3	67	A	0.3	67	A	0.3	67	A	0.3	67	A	2.	168	A	2.	168	A	1.9	168	A	1.8	168	A	1.8	
46	A	0.5	90	A	0.6	90	A	1.	90	A	0.2	90	A	0.2	90	A	0.3	90	A	0.2	90	A	0.3	90	A	0.2	90	A	0.2	90	A	0.2	
47	A	0.8	120	A	1.	120	A	1.4	120	A	0.2	120	A	0.2	120	A	0.3	120	A	0.2	120	A	0.2	120	A	0.2	120	A	0.2	120	A	0.2	
48	A	1.3	109	A	1.3	109	A	1.6	109	A	0.5	109	A	0.5	109	A	0.6	109	A	0.7	109	A	0.7	109	A	0.6	125	A	0.5	125	B	0.6	
49	A	0.2	87	A	0.2	87	A	0.3	67	A	0.3	67	A	0.3	67	A	0.3	67	B	3.8	225	B	3.9	225	B	3.6	225	B	2.1	225	B	2.	
50	A	3.	333	A	3.	333	A	3.7	333	A	1.2	333	A	1.2	333	A	1.5	333	A	1.4	333	A	1.5	333	A	1.4	333	A	0.9	333	A	2.8	
51	A	3.7	310	A	3.7	310	A	4.2	310	A	2.3	310	A	2.6	310	A	3.	310	A	3.9	310	A	4.	310	A	3.7	310	A	3.	310	A	2.7	
52	A	0.2	68	A	0.2	68	A	0.2	68	A	0.1	68	A	0.1	68	A	0.2	68	A	0.1	68	A	0.2	68	A	0.1	68	A	0.1	68	A	0.1	
53	A	1.4	269	A	1.3	269	A	1.9	269	A	1.3	269	A	1.4	269	A	1.6	269	A	2.	269	A	2.1	269	A	1.9	269	A	1.8	269	A	1.6	
54	A	4.4	352	A	4.5	352	A	6.5	352	A	5.9	352	A	6.	352	A	6.5	418	A	6.4	418	A	6.4	418	A	6.4	418	A	6.4	418	A	6.4	
55	A	1.6	227	A	1.7	227	A	2.4	227	A	2.3	227	A	2.3	227	A	2.6	227	A	2.6	227	A	2.7	227	A	2.7	227	A	2.7	227	A	1.8	
56	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	
57	B	0.	23	B	0.	23	B	0.	23	B	0.	23	B	0.	23	B	0.	23	B	0.	23	B	0.	23	B	0.	23	B	0.	23	B	0.	
58	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	B	0.	70	B	0.	70	B	0.	70	B	0.	70	B	0.	
59	A	0.1	59	A	0.1	59	A	0.2	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	
60	C	5.4	480	C	5.3	480	C	18.4	635	C	6.7	635	C	6.7	635	C	6.9	635	C	6.7	635	C	15.2	2173	C	15.9	2354	C	6.6	635	C	9.8	
61	A	0.9	203	A	1.	203	A	1.4	203	A	0.8	203	A	0.8	203	A	1.	203	A	1.3	203	A	1.3	203	A	1.1	201	A	1.1	201	A	1.	
62	C	3.7	422	C	3.7	422	C	5.5	422	C	5.2	422	C	5.3	422	C	6.	422	C	6.5	556	C	14.9	2094	C	15.6	2094	C	6.4	556	C	8.7	
63	C	2.8	442	C	2.9	442	C	4.4	442	C	4.1	442	C	4.2	442	C	4.8	442	C	6.5	442	C	15.2	2098	C	15.9	2098	C	6.6	560	C	7.7	
64	A	1.1	180	A	1.1	180	A	1.7	180	A	1.	180	A	1.	180	A	1.	180	A	1.3	180	A	1.4	180	A	1.5	170	A	1.4	170	A	1.3	

Table 83 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8	
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu
65	A	1.3	154	A	1.4	154	A	2.	154	A	0.7	154	A	0.7	154	A	0.8	154	A	1.	154	A	1.	154	A	1.	154	A	0.9	154	A	3.5
66	A	1.5	189	A	1.5	189	A	2.2	189	A	1.5	189	A	1.5	189	A	1.6	189	A	2.2	189	A	2.3	189	A	2.1	200	A	2.1	200	A	1.7
67	C	5.7	546	C	5.9	546	C	7.2	678	C	7.	678	C	7.	678	C	7.2	678	C	7.1	678	C	12.2	2216	C	16.9	2397	C	6.8	678	C	6.8
68	A	3.1	372	A	3.3	372	A	4.8	372	A	4.3	372	A	4.	372	A	4.4	372	A	6.1	372	A	6.6	372	A	6.5	371	A	6.8	495	A	5.5
69	A	2.5	334	A	2.6	334	A	3.8	334	A	3.1	334	A	3.	334	A	3.3	334	A	4.6	334	A	4.7	334	A	5.3	332	A	6.6	453	A	4.8
70	A	2.	274	A	2.1	274	A	3.	274	A	2.4	274	A	2.4	274	A	2.6	274	A	3.5	274	A	3.6	274	A	4.1	274	A	5.	274	A	3.7
71	A	1.7	224	A	1.7	224	A	2.5	224	A	2.1	224	A	2.	224	A	2.2	224	A	3.	224	A	3.1	224	A	2.5	224	A	3.1	224	A	2.3
72	A	1.2	193	A	1.2	193	A	1.8	193	A	1.7	193	A	1.6	193	A	1.8	193	A	2.5	193	A	2.5	193	A	2.1	193	A	2.5	193	A	2.
73	C	6.9	750	C	7.	750	C	7.3	750	C	7.1	750	C	7.1	750	C	7.4	750	C	7.4	750	C	12.4	2288	C	13.	2288	C	7.2	750	C	6.9
74	A	0.2	59	A	0.2	59	A	0.2	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.6
75	A	0.2	84	A	0.2	84	A	0.3	84	A	0.2	84	A	0.2	84	A	0.3	84	A	0.4	84	A	0.4	84	A	0.3	84	A	0.3	84	A	1.7
76	C	3.6	403	C	3.8	403	C	5.3	403	C	5.7	403	C	5.7	403	C	6.7	522	C	6.5	522	C	13.5	2060	C	14.2	2060	C	6.3	522	C	8.
77	A	0.8	67	A	0.8	67	A	1.2	67	A	0.2	67	A	0.2	67	A	0.3	67	A	0.3	67	A	0.3	67	A	0.3	67	A	0.3	67	A	0.2
78	A	2.2	196	A	2.4	196	A	3.	196	A	1.8	196	A	1.9	196	A	2.1	196	A	2.8	196	A	2.9	196	A	2.6	199	A	2.6	199	A	2.3
79	A	2.	165	A	2.3	165	A	3.	165	A	1.2	165	A	1.1	165	A	1.3	165	A	1.7	165	A	1.6	165	A	1.6	166	A	1.5	166	A	2.9
80	B	1.7	206	B	1.8	206	B	12.9	206	B	2.7	206	B	2.6	210	B	3.7	210	B	5.	210	C	21.9	1302	C	21.9	1301	B	3.4	210	B	7.2
81	A	1.9	274	A	2.	274	A	2.8	274	A	2.8	274	A	2.8	276	A	3.2	276	A	4.	276	C	9.7	1380	C	10.	1379	A	3.5	276	A	3.3
82	A	2.8	316	A	2.9	316	A	4.2	316	A	4.4	316	A	4.3	320	A	5.1	320	A	6.5	320	C	6.7	1424	C	10.	1423	A	5.7	320	A	5.2
83	A	0.	37	A	0.	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1
84	A	0.1	82	A	0.1	82	A	10.6	82	A	0.1	82	A	0.1	85	A	0.1	85	A	0.2	85	C	6.1	643	C	2.8	594	A	0.1	85	A	4.1
85	A	0.2	30	A	0.2	30	A	0.3	30	A	0.1	30	A	0.1	30	A	0.1	30	A	0.1	30	A	0.1	30	A	0.1	30	A	0.1	30	A	0.1
86	C	6.6	1408	C	6.7	1408	C	7.2	1408	C	6.5	1408	C	6.5	1408	C	6.5	1408	C	6.5	1408	C	6.5	1408	C	6.5	1408	C	6.5	1408	C	25.9
87	C	6.9	1198	C	7.	1198	C	7.4	1198	C	6.4	1198	C	6.4	1198	C	6.4	1198	C	6.4	1198	C	6.4	1198	C	6.4	1198	C	6.4	1198	C	21.9
88	C	7.5	1287	C	7.5	1287	C	7.7	1287	C	6.4	1287	C	6.4	1287	C	6.5	1287	C	6.5	1287	C	6.5	1287	C	6.5	1287	C	6.5	1287	C	23.9
89	C	6.7	1319	C	6.7	1319	C	7.	1319	C	6.6	1319	C	6.6	1319	C	6.6	1319	C	6.7	1319	C	6.7	1319	C	6.7	1319	C	6.6	1319	C	19.8
90	A	11.5	458	A	12.1	458	A	17.8	458	C	19.3	1236	C	21.3	1236	C	21.7	1236	C	9.5	1236	C	9.6	1236	C	9.5	1236	C	9.3	1236	C	22.2
91	C	7.1	1396	C	7.2	1396	C	7.6	1396	C	6.7	1396	C	6.7	1396	C	6.9	1396	C	6.9	1396	C	6.9	1396	C	6.9	1396	C	6.8	1396	C	6.7
92	C	6.7	1335	C	6.8	1335	C	7.1	1335	C	6.4	1335	C	6.4	1335	C	6.6	1335	C	6.5	1335	C	6.5	1335	C	6.5	1335	C	6.5	1335	C	16.2
93	C	6.9	1499	C	7.	1499	C	7.3	1499	C	7.	1499	C	7.	1499	C	7.2	1499	C	7.3	1499	C	7.3	1499	C	7.2	1499	C	7.2	1499	C	7.1
94	A	4.6	225	A	4.2	225	A	6.	225	C	4.6	480	C	4.4	480	C	5.4	480	C	7.2	480	C	31.	39740	C	30.9	39740	C	7.3	480	C	5.4
95	A	1.2	171	A	1.3	171	A	1.8	171	A	1.5	171	A	1.4	171	A	1.7	171	A	2.3	171	A	2.3	171	A	2.1	171	A	1.8	171	A	1.7
96	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0
97	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0
98	C	2.2	182	C	2.4	182	C	4.	182	C	2.3	182	C	2.2	182	C	2.9	182	C	4.	162	C	3.9	162	C	3.6	165	C	6.2	872	C	2.5

Table 83 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
99	C	2.4	188	C	2.4	188	C	3.1	188	C	1.6	188	C	2.3	279	C	2.6	279	C	2.5	188	C	2.3	188	C	2.2	188	C	3.	307	C	1.8	
100	C	3.2	194	C	3.5	194	C	4.5	194	C	2.4	194	C	2.4	194	C	3.	194	C	4.1	208	C	4.5	208	C	4.1	211	C	3.2	211	C	2.3	
101	C	6.3	409	C	6.8	409	C	8.8	650	C	7.3	650	C	7.2	650	C	7.1	640	C	7.8	631	C	7.8	631	C	7.7	631	C	7.7	631	C	3.3	
102	C	2.7	303	C	2.9	303	C	4.5	303	C	3.4	303	C	3.1	303	C	7.	727	C	7.5	689	C	7.6	689	C	6.5	517	C	4.5	477	C	3.7	
103	C	8.	527	C	8.2	793	C	9.2	793	C	7.1	793	C	7.	793	C	7.3	818	C	7.5	773	C	7.5	773	C	7.4	773	C	6.6	479	C	7.3	
104	A	0.3	102	A	0.3	102	A	0.5	102	A	0.5	102	A	0.5	102	A	0.5	102	A	0.8	102	A	0.8	102	A	0.8	102	A	0.6	102	A	0.7	
105	A	0.6	130	A	0.6	130	A	0.9	130	A	0.9	130	A	0.8	130	A	1.	130	C	9.4	872	C	8.7	872	C	6.8	872	C	6.2	912	C	4.9	
106	A	1.1	157	A	1.1	157	A	1.8	157	A	1.	159	A	1.	159	A	1.1	159	C	10.	1081	C	9.4	1081	C	9.	1097	C	6.2	702	C	6.	
107	C	3.8	272	C	8.7	272	C	10.3	272	C	9.4	272	C	9.5	272	C	9.9	272	C	3.5	264	C	3.5	264	C	2.4	264	C	2.2	264	C	1.8	
108	C	1.7	467	C	1.8	467	C	2.6	467	C	1.8	467	C	1.7	467	C	2.	467	C	3.1	542	C	2.9	542	C	2.6	542	C	1.8	333	C	2.	
109	C	2.8	236	C	7.3	2166	C	7.6	2166	C	8.1	2166	C	8.	2166	C	9.8	2166	C	4.6	253	C	4.2	253	C	3.6	256	C	4.	256	C	3.6	
110	C	2.	191	C	3.1	443	C	5.	443	C	4.6	443	C	4.4	443	C	5.2	443	C	2.4	208	C	2.2	208	C	2.1	211	C	1.9	211	C	1.6	
111	C	2.1	216	A	2.1	162	A	3.1	162	C	1.9	216	C	1.8	216	C	2.1	216	C	3.5	233	C	3.1	233	C	3.	235	C	2.9	235	C	2.2	
112	C	3.	228	A	1.9	180	A	3.4	180	C	3.2	228	C	3.1	228	C	3.3	228	C	6.4	245	C	5.9	245	C	5.1	251	C	5.2	251	C	4.1	
113	C	3.8	281	C	4.1	281	C	5.6	281	C	4.3	281	C	4.1	281	C	4.5	281	C	8.2	621	C	8.2	621	C	7.4	367	C	7.1	365	C	5.9	
114	A	7.2	180	A	7.2	180	A	9.7	180	A	1.4	180	A	1.3	180	A	1.6	180	A	2.1	180	A	2.1	180	A	2.	180	A	1.6	161	A	1.6	
115	A	9.2	225	A	10.	225	A	46.1	225	A	3.6	225	A	3.7	229	A	3.9	229	A	5.3	229	C	25.	2105	C	26.2	2056	A	3.3	252	B	16.7	
116	A	6.	443	A	6.3	443	B	7.	639	B	6.7	639	B	6.8	645	B	7.	645	B	6.7	645	C	27.4	2156	C	28.9	2107	A	3.6	276	B	6.4	
117	A	6.9	797	A	6.8	797	A	7.2	797	A	6.9	797	A	6.9	803	A	7.2	803	A	7.	803	C	10.5	2314	C	12.	2265	A	6.7	504	A	6.7	
118	A	15.5	519	A	15.9	519	B	41.2	3321	B	24.2	3321	B	24.6	3321	B	25.5	3321	B	27.8	3321	B	28.	3321	B	27.4	3321	C	6.5	1382	B	24.9	
119	A	10.2	318	A	10.8	318	A	15.	346	A	15.	346	A	15.5	346	A	16.2	346	B	23.7	2497	B	22.9	2497	B	22.2	2497	A	17.3	297	A	17.7	
120	A	15.6	518	A	16.4	518	B	24.9	3318	B	24.3	3318	B	24.6	3318	B	25.7	3318	B	28.6	3318	B	28.5	3318	B	27.9	3318	C	6.6	1381	B	25.8	
121	A	12.9	703	A	13.3	703	A	17.2	703	A	16.3	703	A	15.9	705	A	17.	705	A	18.4	853	A	18.5	853	A	18.	873	C	6.6	1353	A	16.2	
122	A	9.7	610	A	9.4	610	A	20.1	814	C	18.5	1091	C	18.5	1091	C	19.1	1091	C	19.5	1091	C	32.1	69761	C	32.	69761	C	25.2	4017	C	18.1	
123	A	13.	375	A	13.9	375	A	19.	433	A	18.	433	A	19.	433	B	23.	2988	B	26.3	2988	B	26.4	2988	B	25.6	2988	C	6.5	1305	B	23.2	
124	B	16.1	1551	B	16.1	1551	B	20.1	1551	B	19.4	1551	B	19.7	1567	B	20.5	1567	B	20.9	1567	C	32.9	88986	C	32.8	88986	C	6.4	1234	B	19.4	
125	B	22.	3891	A	19.1	610	B	26.7	3891	B	26.1	3891	B	25.9	3891	B	27.2	3891	A	21.7	716	A	22.	716	A	21.5	716	C	6.9	1475	B	27.4	
126	B	20.3	2318	B	20.2	2318	B	22.8	2318	B	22.3	2318	B	22.7	2342	B	29.4	19169	B	24.4	2342	C	34.4	170609	C	34.	170609	C	6.6	1396	B	22.1	
127	A	0.3	163	A	0.3	163	A	0.4	163	A	0.4	163	A	0.4	163	A	0.5	163	C	26.9	16794	C	14.1	1492	C	13.9	1502	C	15.1	1502	C	14.1	
128	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
129	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	



## 2.82 4\_Trig\_functions\4.1bCosine\4.1.4.1(a+bcos)^m(A+Bcos+Ccos^2)

Table 84: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 101	A 0. 101	A 0. 101	A 0. 101	A 0. 101	A 0. 101	A 0. 109	A 0. 109	A 0. 109	A 0. 109	A 0. 109
2	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77
3	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	B 0. 92	B 0. 92	B 0. 92	B 0. 92	B 0. 92
4	A 0. 137	A 0. 137	A 0. 137	A 0.4 75	A 0.3 75	A 0.4 75	A 5.9 122	A 6. 122	A 5.8 122	A 5.9 122	A 5.7 122
5	A 0.1 45	A 0.1 45	A 0.2 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45
6	A 1.7 78	A 1.9 78	A 2.3 78	A 0.9 78	A 0.9 78	A 1. 78	A 1.3 78	A 1.4 78	A 1.3 78	A 0.7 87	A 1. 94
7	A 1.3 79	A 1.4 79	A 1.8 79	A 0.5 79	A 0.5 79	A 0.5 79	A 0.7 79	A 0.8 79	A 0.8 79	A 0.5 87	A 0.8 93
8	A 1.1 55	A 1.2 55	A 1.4 55	A 0.2 55	A 0.2 55	A 0.2 55	A 0.2 55	A 0.2 55	A 0.2 55	A 0.2 63	A 1.2 55
9	A 0.9 79	A 0.9 79	A 1.4 79	A 0.6 79	A 0.6 79	A 0.7 79	A 0.9 79	A 1. 79	A 0.5 86	A 0.5 79	A 0.4 86
10	C 0.2 113	C 0.2 113	C 0.2 113	C 0.2 113	C 0.2 113	C 0.3 113	A 0.2 31	A 0.2 31	A 0.2 31	A 0.2 31	A 0.2 31
11	C 0.2 114	C 0.2 114	C 0.2 114	C 0.2 119	C 0.2 119	C 0.2 119	A 0.2 31	A 0.2 31	A 0.2 31	A 0.2 31	A 0.2 31
12	A 0.7 84	A 0.7 84	A 0.9 84	A 0.2 84	A 0.2 84	A 0.5 84	A 0.6 84	A 0.6 84	A 0.6 84	A 0.6 84	A 0.6 83
13	A 0.2 61	A 0.3 61	A 0.4 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61
14	A 0.3 73	A 0.3 73	A 0.4 73	A 0.1 73	A 0.1 73	A 0.2 73	A 0.2 73	A 0.2 73	A 0.2 73	A 0.2 73	A 0.1 73
15	A 1.6 83	A 1.6 83	A 1.9 83	A 0.5 83	A 0.5 83	A 0.9 83	A 1.1 83	A 1.4 83	A 1.2 83	A 1.2 83	A 0.5 84
16	A 0.9 83	A 0.9 83	A 1.3 83	A 0.4 83	A 0.4 83	A 0.5 83	A 0.7 83	A 0.7 83	A 0.6 84	A 0.6 84	A 0.6 84
17	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.2 73	A 0.2 73	A 0.2 73	A 0.2 73	A 0.1 73	A 0.1 73
18	A 0.5 77	A 0.5 77	A 0.8 77	A 0.4 77	A 0.4 77	A 0.5 77	A 0.6 77	A 0.6 77	A 0.5 77	A 0.5 84	A 0.6 77
19	A 1.1 80	A 1.1 80	A 1.4 80	A 0.3 80	A 0.2 80	A 0.4 80	A 0.4 80	A 0.5 80	A 0.4 80	A 0.3 80	A 0.3 80
20	A 0.7 69	A 0.6 69	A 0.9 69	A 0.1 69	A 0.2 69	A 0.2 69	A 0.2 69	A 0.2 69	A 0.2 73	A 0.1 73	A 0.1 73
21	A 0.4 77	A 0.4 77	A 0.4 77	A 0.2 77	A 0.2 77	A 0.4 77	A 0.5 77	A 0.5 77	A 0.3 77	A 0.6 87	A 0.2 77
22	A 0.2 70	A 0.2 70	A 0.3 70	A 0.3 70	A 0.3 70	A 0.3 70	A 0.4 70	A 0.5 70	A 0.4 70	A 0.4 70	A 0.4 70
23	A 0.9 67	A 0.9 67	A 1.3 67	A 0.2 67	A 0.2 67	A 0.3 67	A 0.4 67	A 0.4 67	A 0.3 67	A 0.3 67	A 0.2 67
24	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.2 59	A 0.7 101	A 0.8 101	A 0.7 101	A 0.6 101	A 0.6 101
25	A 0.2 51	A 0.2 51	A 0.3 51	A 0.3 51	A 0.3 51	A 0.3 51	A 0.3 59	A 0.3 59	A 0.3 59	A 0.3 59	A 0.2 59
26	A 0. 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48
27	A 0. 47	A 0. 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89
28	A 0.2 80	A 0.2 80	A 0.2 80	A 0.2 80	A 0.2 80	A 0.3 80	A 3.3 126	A 3.4 126	A 3.1 126	A 2.8 126	A 2.9 126
29	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.3 82	A 0.3 82	A 0.3 82	A 0.3 82	A 0.3 82
30	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.2 96	A 0.7 98	A 0.7 98	A 0.7 98	A 0.6 98	A 0.6 98

Table 84 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0.2 96	A 0.2 96	A 0.3 96	A 0.3 96	A 0.3 96	A 0.4 96	A 1.2 112	A 1.2 112	A 1.1 112	A 1. 112	A 1. 112
32	A 0.1 91	A 0.1 91	A 0.2 91	A 0.2 91	A 0.2 91	A 0.2 91	A 0.7 99	A 0.7 99	A 0.7 99	A 0.6 99	A 0.7 99
33	A 0. 89	A 0. 89	A 0. 89	A 0. 89	A 0. 89	A 0. 89	A 0.3 83	A 0.3 83	A 0.2 83	A 0. 83	A 0. 83
34	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.3 78	A 0.3 78	A 0.3 78	A 0.2 78	A 0.2 78
35	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.2 91	A 0.3 84	A 0.3 84	A 0.3 84	A 0.3 84	A 0.2 84
36	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.6 99	A 0.7 99	A 0.6 99	A 0.6 99	A 0.5 99
37	A 0.1 87	A 0.1 87	A 0.2 87	A 0.2 87	A 0.1 87	A 0.2 87	A 0.4 90	A 0.4 90	A 0.3 90	A 0.3 90	A 0.3 90
38	A 0.1 114	A 0.1 114	A 0.2 114	A 0.2 114	A 0.2 114	A 0.2 114	C 3.4 294	C 2.7 294	C 2.4 294	C 2.4 294	C 2.1 294
39	A 0.2 117	A 0.2 117	A 0.2 117	A 0.2 117	A 0.2 117	A 0.2 117	A 0.8 154	A 0.8 154	A 0.8 154	A 0.7 154	A 0.8 154
40	A 0.2 140	A 0.1 140	A 0.2 140	A 0.2 140	A 0.2 140	A 0.2 140	A 0.7 181	A 0.7 181	A 0.6 181	A 0.6 181	A 0.6 181
41	A 0.8 144	A 0.8 144	A 1.1 144	A 0.6 144	A 0.6 144	A 0.7 144	A 1. 144	A 1. 144	A 0.9 144	A 0.9 144	A 0.8 144
42	A 0.4 119	A 0.4 119	A 0.6 119	A 0.4 119	A 0.3 119	A 0.8 253	A 1. 253	A 0.5 119	A 0.5 119	A 0.4 119	A 0.4 119
43	A 0.3 140	A 0.3 140	A 0.4 140	A 0.4 140	A 0.4 140	A 0.4 140	A 1.1 248	A 1.1 248	A 1. 248	A 0.9 248	A 0.9 248
44	A 0.3 140	A 0.3 140	A 0.5 140	A 0.5 140	A 0.5 140	A 0.5 140	A 0.7 140	A 0.6 140	A 0.6 140	A 0.5 140	A 0.5 140
45	A 0.3 140	A 0.3 140	A 0.4 140	A 0.4 140	A 0.4 140	A 0.5 140	A 0.6 140	A 0.6 140	A 0.6 140	A 0.5 140	A 0.5 140
46	A 0.3 120	A 0.3 120	A 0.5 120	A 0.5 120	A 0.5 120	A 0.6 120	A 0.8 120	A 0.7 120	A 0.6 120	A 0.6 120	A 0.5 120
47	A 0.2 118	A 0.2 118	A 0.2 118	A 0.2 118	A 0.2 118	A 0.3 118	A 0.4 120	A 0.4 120	A 0.4 120	A 0.4 120	A 0.3 120
48	A 0.1 109	A 0.1 109	A 0.2 109	A 0.2 109	A 0.2 109	A 0.2 109	A 0.4 106	A 0.4 106	A 0.3 106	A 0.3 106	A 0.3 106
49	A 0.2 138	A 0.2 138	A 0.3 138	A 0.3 138	A 0.3 138	A 0.4 138	A 0.8 244	A 0.8 244	A 0.8 244	A 0.7 244	A 0.7 244
50	A 0.2 138	A 0.2 138	A 0.3 138	A 0.2 138	A 0.2 138	A 0.3 138	A 0.4 138	A 0.5 138	A 0.4 138	A 0.4 138	A 0.4 138
51	A 0.2 138	A 0.2 138	A 0.2 138	A 0.2 138	A 0.2 138	A 0.3 138	C 24.3 4951	C 7.2 528	C 7.4 584	C 10.5 584	C 5.7 584
52	A 3.4 289	A 3.7 289	A 5.4 289	A 3. 289	A 3. 289	A 3.5 289	A 4.8 289	A 5. 289	A 4.8 289	A 4.7 289	A 4.4 289
53	A 2.3 263	A 2.3 263	A 3.5 263	A 2.2 263	A 2.1 263	A 2.6 263	A 3.3 263	A 3.5 263	A 3.3 263	A 3.1 263	A 2.8 263
54	A 1. 92	A 1. 92	A 1.4 92	A 0.4 92	A 0.4 92	A 0.6 92	A 0.7 92	A 0.7 92	A 0.6 92	A 0.5 92	A 0.5 99
55	A 0.9 80	A 0.8 80	A 1.1 80	A 0.3 80	A 0.3 80	A 0.4 80	A 0.5 80	A 0.5 80	A 0.5 80	A 0.5 80	A 0.4 80
56	A 1.7 97	A 1.7 97	A 2.3 97	A 0.4 97	A 0.4 97	A 0.4 97	A 0.6 97	A 0.6 97	A 0.5 97	A 0.5 97	A 0.5 97
57	A 1. 133	A 0.9 133	A 1.3 133	A 0.7 133	A 0.7 133	A 0.9 133	A 1.2 133	A 1.2 133	A 1.1 133	A 1.6 122	A 0.9 133
58	A 0.7 119	A 0.6 119	A 0.9 119	A 0.5 119	A 0.5 119	A 0.6 119	A 0.8 119	A 0.8 119	A 0.7 119	A 1.6 111	A 0.6 119
59	A 0.9 85	A 0.9 85	A 1.2 85	A 0.2 85	A 0.2 85	A 0.3 85	A 0.3 85	A 0.3 85	A 0.3 85	A 0.3 85	A 0.2 85
60	C 5.6 279	C 5.5 279	C 7. 807	C 6.3 807	C 6.3 807	C 6.3 807	C 6.4 807	C 6.4 807	C 6.4 807	C 6.4 807	C 6.3 807
61	A 0.5 92	A 0.5 92	A 0.6 92	A 0.4 92	A 0.3 92	A 0.5 92	A 0.7 92	A 0.7 92	A 0.6 92	A 0.4 92	A 0.4 92
62	A 0.8 136	A 0.8 136	A 0.8 136	A 0.3 136	A 0.4 136	A 1.3 136	A 1.8 136	A 1.8 136	A 1.1 136	A 1.2 125	A 0.3 136
63	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.1 61	A 0.1 61
64	A 0.6 93	A 0.6 93	A 0.9 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93

Table 84 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
65	A 0.8 109	A 0.8 109	A 1.2 109	A 0.3 109	A 0.3 109	A 0.5 109	A 0.6 109	A 0.5 109	A 0.5 109	A 0.4 109	A 0.4 109
66	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.1 61	A 0.1 61
67	A 0.3 88	A 0.3 88	A 0.5 88	A 0.4 88	A 0.4 88	A 0.6 88	A 1.8 189	A 2.1 189	A 1.8 189	A 1. 189	A 0.9 189
68	A 0.2 87	A 0.2 87	A 0.3 87	A 0.3 87	A 0.3 87	A 0.4 87	A 0.8 189	A 0.9 189	A 0.8 189	A 0.3 189	A 0.3 189
69	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.2 61	A 0.1 61	A 0.1 61	A 0.1 61
70	A 0.2 110	A 0.2 110	A 0.3 110	A 0.3 110	A 0.3 110	A 0.3 110	B 6.1 609	B 6.1 609	B 6.1 609	B 6.1 609	B 6.1 609
71	A 0.5 48	A 0.5 48	A 0.6 48	A 0.1 93	A 0.1 93	A 0.2 93	A 0.2 93	A 0.2 93	A 0.2 93	A 0.1 93	A 0.1 93
72	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.2 64	A 0.2 64	A 0.2 64	A 0.2 64	A 0.2 64	A 0.1 64
73	A 0.6 53	A 0.5 53	A 0.7 53	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96
74	A 0.3 122	A 0.3 122	A 0.4 122	A 0.4 114	A 0.4 114	A 0.4 114	C 23.3 4769	C 23.4 4769	C 19.8 3835	C 22.5 5024	C 19.5 383
75	A 0.5 115	A 0.5 115	A 0.7 115	B 6.4 703	B 6.3 703	B 6.4 703	B 6.5 703	B 6.5 703	B 6.4 703	B 6.4 703	B 6.4 703
76	A 0.5 178	A 0.5 178	A 0.8 178	A 0.7 169	A 0.7 169	A 0.8 169	A 3. 362	A 3.1 362	A 2.8 362	A 2. 362	A 1.8 362
77	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
78	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
79	F 0 0	B 27.1 16142	B 28.3 16142	B 27. 16142	B 26.9 16189	B 27.2 16189	B 27.9 16189	B 15. 1961	B 14.8 1961	B 16.3 1961	B 14.9 196

## 2.83 4\_Trig\_functions\4.1bCosine\4.1.4.2(a+bcos)^m(c+dcos)^n(A+Bcos+Ccos^2)

Table 85: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	B 1.4 218	B 1.4 218	B 1.3 218	B 1.3 218	B 1.1 218
2	A 0.2 62	A 0.3 62	A 0.3 56	A 0.3 56	A 0.3 56	A 0.3 56	A 5.2 169	A 5.4 169	A 2.6 100	A 2.4 100	A 2.2 100
3	A 0.3 123	A 0.3 123	A 0.5 123	A 0.5 123	A 0.5 123	A 0.6 123	A 0.8 123	A 0.8 123	A 0.8 123	A 0.7 123	A 0.6 123
4	A 1.4 109	A 1.7 109	A 2.4 109	A 0.4 109	A 0.4 109	A 0.5 109	A 0.5 109	A 0.5 109	A 0.5 109	A 0.5 109	A 0.4 109
5	A 0.9 186	A 1. 186	A 1.4 186	A 1.6 292	A 1.4 292	A 2.3 292	A 5.4 292	B 6.3 374	A 3.1 292	A 2.1 292	A 2.9 292
6	A 0.4 145	A 0.4 145	A 0.6 145	A 0.7 145	A 0.6 145	A 0.9 145	A 1.2 145	A 1.3 145	A 1. 145	A 0.8 145	A 0.8 145
7	A 3.4 214	A 3.9 214	A 4.4 214	A 2. 214	A 2. 214	A 3.1 214	A 4.4 214	A 4.5 214	A 4.1 214	A 3. 214	A 2.5 214
8	A 1.8 210	A 2. 210	A 1.8 195	A 1.5 294	A 1.4 294	A 2.4 294	A 3.2 294	A 3.4 294	A 3.2 294	A 2.1 294	A 3. 294
9	A 0.5 167	A 0.6 167	A 0.5 167	A 0.9 167	A 0.9 167	A 1.1 167	A 1.4 167	A 1.5 167	A 1.4 167	A 1.2 167	A 1. 167
10	A 2.5 147	A 2.6 147	A 2.5 147	A 0.5 147	A 0.5 147	A 0.6 147	A 0.8 147	A 0.8 147	A 0.7 147	A 0.6 147	A 0.6 147
11	A 5.2 338	A 5.6 338	A 5.3 338	A 2.2 338	A 2.1 338	A 2.7 338	A 4. 338	A 4.1 338	A 3.9 338	A 2.9 338	A 2.6 338
12	A 5.1 210	A 5.1 210	A 5.1 194	A 1.9 389	A 1.8 389	A 3.7 389	A 4.7 389	A 5.3 389	A 3.4 389	A 2.6 389	B 2.8 389
13	B 1.7 229	B 1.8 229	B 1.7 229	B 1.9 229	B 1.7 229	B 2.2 229	B 3. 229	B 3.1 229	B 2.9 229	B 2.4 229	B 1.4 229
14	B 7. 765	B 7.1 765	B 7. 765	B 6.5 765	B 6.5 765	B 6.6 765	B 6.7 765	B 6.7 765	B 6.7 765	B 6.7 765	B 6.7 765
15	B 1.8 341	B 1.8 341	B 1.7 341	B 0.7 341	B 0.7 341	B 1. 341	B 1.3 341	B 1.4 341	B 1.3 341	B 1. 341	B 1. 341
16	B 1. 195	B 1. 195	B 1. 195	B 0.5 195	B 0.5 195	B 1. 195	B 1.4 195	B 1.4 195	B 1.3 195	B 0.7 195	B 0.7 195
17	B 0.5 141	B 0.6 141	B 0.5 141	B 0.3 141	B 0.3 141	B 0.4 141	B 0.5 141	B 0.6 141	B 0.5 141	B 0.4 141	B 0.4 141
18	B 1. 166	B 1.1 166	B 0.9 166	B 0.6 166	B 0.6 166	B 0.7 166	B 0.9 166	B 0.9 166	B 0.9 166	B 0.8 166	B 0.7 166
19	A 1.1 227	A 1.1 227	A 1. 227	A 0.6 227	A 0.5 227	A 0.7 227	A 0.9 227	A 1. 227	A 0.9 227	A 0.8 227	A 3. 227
20	B 4.5 315	B 4.8 315	B 4.5 315	B 0.8 315	B 0.8 315	B 0.9 315	B 1.2 315	B 1.2 315	B 1.2 315	B 1. 315	C 6.3 315
21	A 2.1 179	A 2.2 179	A 2. 179	A 0.4 179	A 0.4 179	A 0.5 179	A 0.7 179	A 0.8 179	A 0.7 179	A 0.6 179	C 6.2 179
22	A 2.9 245	A 3.1 245	A 2.7 245	A 1.8 245	A 1.7 245	A 3.3 245	A 4. 245	A 4.8 245	A 3.6 245	A 2.6 245	C 6.4 245
23	B 7.8 680	B 7.6 680	B 7.5 680	B 6.5 680	B 6.4 680	B 6.5 680	B 6.6 680	B 6.6 680	B 6.6 680	B 6.6 680	C 6.5 680
24	A 0.5 92	A 0.4 92	A 0.4 92	A 0.7 92	A 0.7 92	A 0.8 92	A 1.1 92	A 1.1 92	A 1. 92	A 0.9 92	A 0.8 92
25	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.2 58	A 0.2 58	A 0.2 58	A 0.2 58	A 0.2 58	A 0.2 58
26	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.2 82	C 37.3 1487	C 35.5 1487	C 60.9 199	F 0 0	C 11.6 82
27	A 0.9 150	A 0.9 150	A 0.9 150	A 2. 145	A 2. 145	A 2.4 145	C 9.6 1353	C 9.5 1353	C 9.3 1353	C 10.7 2001	C 9.1 150
28	A 0.3 93	A 0.3 93	A 0.3 93	A 0.6 93	A 0.6 93	A 0.8 93	A 1. 93	A 1.1 93	A 1. 93	A 0.9 93	A 0.6 93
29	A 0.2 95	A 0.2 95	A 0.2 95	A 0.4 95	A 0.3 95	A 0.4 95	C 37.9 1617	C 37.4 1617	F 0 0	F 0 0	C 2.2 95
30	A 0.3 106	A 0.2 106	A 0.2 106	A 0.3 106	A 0.3 106	A 0.4 106	C 41.7 1658	C 40.4 1658	F 0 0	F 0 0	C 2.5 106

Table 85 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8					
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size			
31	A	1.6	174	A	1.5	174	A	1.4	174	A	2.3	174	A	2.3	174	A	2.9	174	C	9.9	1550	C	9.9	1550	C	9.6	1550	C	11.	2198	C	9.1	2			
32	A	1.2	153	A	1.2	153	A	1.1	153	A	1.8	153	A	1.8	153	A	2.1	153	C	9.4	1379	C	9.4	1379	C	9.1	1379	C	10.2	2027	C	8.6	2			
33	A	1.4	176	A	1.4	176	A	1.3	176	A	2.4	176	A	2.1	176	A	2.5	176	C	9.9	1550	C	9.9	1550	C	9.6	1550	C	11.	2198	C	9.2	2			
34	A	0.2	87	A	0.2	87	A	0.2	87	A	0.3	87	A	0.2	87	A	0.3	87	A	0.5	177	A	0.5	177	A	0.5	177	A	0.4	177	A	0.4	1			
35	A	1.4	174	A	1.3	174	A	1.3	174	A	2.2	174	A	2.	174	A	2.8	174	C	9.8	1479	C	9.7	1479	C	9.5	1479	C	10.8	2127	C	9.1	2			
36	A	1.3	124	A	1.2	124	A	1.2	124	A	1.8	124	A	1.8	124	A	2.	124	C	33.2	2503	C	31.6	2503	C	61.3	323	F	0	0	C	8.	5			
37	A	3.2	185	A	3.1	185	A	3.	185	A	4.7	185	A	4.6	185	A	5.2	185	C	32.5	2191	C	31.5	2191	C	61.3	397	F	0	0	C	8.1	1			
38	C	7.2	895	C	7.2	895	C	7.1	895	C	7.6	895	C	6.5	895	C	6.7	895	C	6.8	895	C	6.8	895	C	6.8	895	C	6.8	895	C	6.7	8			
39	C	6.7	982	C	6.7	982	C	6.6	982	C	6.3	982	C	6.3	982	C	6.4	982	C	6.4	982	C	6.4	982	C	6.4	982	C	6.4	982	C	6.3	9			
40	C	8.	658	C	8.	658	C	7.9	658	C	6.4	658	C	6.4	658	C	6.5	658	C	6.6	658	C	6.6	658	C	6.6	658	C	6.5	658	C	6.5	6			
41	C	8.4	909	C	8.4	909	C	8.4	909	C	6.6	909	C	6.6	909	C	6.7	909	C	6.8	909	C	6.9	909	C	6.8	909	C	6.8	909	C	6.7	9			
42	C	7.3	564	C	7.5	564	C	7.	564	C	6.7	1209	C	6.7	1209	C	6.8	1209	C	7.	1209	C	7.1	1209	C	7.	1111	C	6.9	1111	C	9.7	9			
43	C	7.3	696	C	7.3	696	C	7.1	696	C	6.6	814	C	6.6	814	C	6.7	814	C	6.8	814	C	6.8	814	C	6.8	765	C	6.7	765	C	6.6	6			
44	C	7.2	716	C	7.2	716	C	7.1	716	C	6.7	834	C	6.7	834	C	6.9	834	C	7.	834	C	7.	834	C	7.	785	C	6.9	785	C	6.9	7			
45	C	7.5	1005	C	7.6	1005	C	7.5	1005	C	7.5	1245	C	7.3	1245	C	7.5	1245	C	7.9	1245	C	7.9	1245	C	7.8	1147	C	7.8	1147	C	7.7	1			
46	C	9.2	1097	C	9.3	1097	C	9.1	1097	C	7.2	1333	C	7.	1333	C	7.3	1333	C	7.6	1333	C	7.6	1333	C	7.5	1235	C	7.5	1235	C	7.4	1			
47	C	8.4	1060	C	8.6	1060	C	8.3	1060	C	6.9	1296	C	6.9	1296	C	7.1	1296	C	7.3	1296	C	7.4	1296	C	7.3	1198	C	7.2	1198	C	7.2	1			
48	C	7.8	1035	C	7.9	1035	C	7.7	1035	C	6.8	1271	C	6.8	1271	C	7.1	1271	C	7.2	1271	C	7.2	1271	C	7.1	1173	C	7.1	1173	C	7.	1			
49	C	7.5	1023	C	7.5	1023	C	7.3	1023	C	6.8	1259	C	6.7	1259	C	7.	1259	C	7.1	1259	C	7.1	1259	C	7.1	1259	C	7.	1161	C	7.	1161	C	6.9	1
50	A	0.6	129	A	0.6	129	A	0.6	129	A	0.9	129	A	0.9	129	A	1.	129	C	10.	991	C	9.4	991	C	8.8	1007	C	6.2	662	C	5.7	6			
51	A	0.3	112	A	0.3	112	A	0.3	112	A	0.5	112	A	0.5	112	A	0.7	112	C	6.2	578	C	5.3	578	C	5.	578	C	4.	578	C	3.6	5			
52	A	0.2	73	A	0.2	73	A	0.2	73	A	0.3	73	A	0.3	73	A	0.4	73	A	0.5	73	A	0.6	73	A	0.5	73	A	0.5	73	A	0.5				
53	A	0.3	101	A	0.3	101	A	0.3	101	A	0.5	101	A	0.5	101	A	0.6	101	A	0.7	101	A	0.8	101	A	0.7	101	A	0.6	101	A	0.6	1			
54	A	0.9	151	A	0.9	151	A	0.9	151	A	1.4	151	A	1.4	151	A	1.7	151	C	8.5	849	C	7.4	849	C	6.6	849	C	6.	849	C	5.2	8			
55	A	0.5	171	A	0.5	171	A	0.5	171	A	1.	171	A	1.	171	A	1.2	171	A	2.	171	A	2.1	171	A	2.	171	A	1.8	171	A	1.3	1			
56	A	0.3	196	A	0.3	196	A	0.3	196	C	1.8	344	C	1.7	344	C	2.	344	C	3.	344	C	2.6	344	C	2.4	344	C	2.1	344	C	1.8	3			
57	A	0.2	133	C	2.5	235	C	2.4	235	C	3.6	235	C	3.6	235	C	4.3	235	C	2.1	288	C	2.	288	C	1.7	288	C	1.5	288	C	1.3	2			
58	A	1.9	133	A	6.9	133	C	11.	2510	C	7.	195	C	7.	195	C	7.3	195	C	3.4	212	C	2.9	212	C	2.6	212	C	2.6	212	C	2.3	2			
59	A	0.9	171	A	0.9	171	A	0.8	171	C	2.	227	C	2.	227	C	2.3	227	C	4.3	313	C	3.6	313	C	3.3	313	C	2.9	313	C	2.6	3			
60	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.2	89	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1				
61	A	0.2	102	A	0.2	102	A	0.2	102	A	0.4	102	A	0.4	102	A	0.5	102	A	0.5	102	A	0.5	102	A	0.5	102	A	0.5	102	A	0.4	102	A	0.4	1
62	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	B	0.1	159	B	0.1	159	B	0.1	159	B	0.	159	B	0.1	1			
63	A	0.3	77	A	0.3	77	A	0.3	77	A	0.4	77	A	0.4	77	A	0.4	77	B	6.1	403	B	6.1	403	B	6.1	403	B	6.1	403	B	6.1	403	B	0.8	3
64	A	0.3	84	A	0.3	84	A	0.3	84	A	0.2	61	A	0.2	61	A	0.2	61	A	0.3	61	A	0.3	61	A	0.3	61	A	0.2	61	A	0.2	61	A	0.2	

Table 85 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
65	A	0.9	72	A	0.9	72	A	0.7	63	B	6.1	451	B	5.9	451	B	6.6	753	B	6.7	753	B	6.7	753	B	6.6	753	B	6.7	753	A	0.7	1
66	A	0.3	130	A	0.3	130	A	0.3	130	A	0.4	130	A	0.4	130	A	0.5	130	A	0.6	130	A	0.6	130	A	0.6	130	A	0.6	130	A	0.5	1
67	A	1.2	113	A	1.2	113	A	1.2	113	A	0.3	113	A	0.3	113	A	0.3	113	A	0.4	113	A	0.4	113	A	0.4	113	A	0.3	113	A	0.2	1
68	A	1.1	103	A	1.1	103	A	1.	70	B	6.4	786	B	6.4	786	B	6.4	786	B	6.5	786	B	6.5	786	B	6.5	786	B	6.5	786	A	1.2	2
69	B	1.	249	B	1.	249	B	0.9	249	B	0.6	249	B	0.6	249	B	0.9	249	B	1.2	249	B	1.2	249	B	1.1	249	B	0.8	249	B	0.8	2
70	B	1.3	201	B	1.3	201	B	1.2	201	B	1.2	201	B	1.1	201	B	1.4	201	B	1.8	201	B	1.8	201	B	1.7	201	B	1.6	201	B	1.5	2
71	B	1.2	369	B	1.3	369	B	1.2	369	B	0.7	369	B	0.7	369	B	1.7	369	B	2.4	369	B	2.8	369	B	1.9	369	B	0.8	369	C	6.1	1
72	B	1.4	361	B	1.4	361	B	1.3	361	B	0.9	361	B	0.9	361	B	1.5	361	B	2.1	361	B	2.3	361	B	2.	361	B	1.1	361	C	6.2	1
73	B	0.9	241	B	1.	241	B	0.9	241	B	0.6	241	B	0.6	241	B	0.7	241	B	0.9	241	B	0.9	241	B	0.8	241	B	0.8	241	B	3.1	2
74	A	0.2	63	A	0.2	63	A	0.2	63	A	0.3	96	A	0.3	96	A	0.4	96	A	0.5	96	A	0.4	96	A	0.4	96	A	0.4	96	A	1.5	
75	B	3.8	610	B	3.9	610	B	3.8	610	B	5.	610	B	5.	610	B	6.4	684	B	6.5	684	B	6.5	684	B	6.5	684	B	6.5	684	C	6.4	2
76	A	0.2	64	A	0.1	64	A	0.1	64	A	0.3	64	A	0.2	64	A	0.3	64	A	0.4	64	A	0.4	64	A	0.4	64	A	0.3	64	A	0.3	
77	A	0.4	105	A	0.4	105	A	0.4	105	A	0.7	105	A	0.8	105	A	1.	105	A	1.4	105	A	1.4	105	A	1.3	105	A	1.	105	A	0.9	1
78	A	0.4	87	A	0.4	87	A	0.4	87	A	0.6	87	A	0.6	87	A	0.8	87	A	4.2	118	A	4.2	118	A	3.7	134	A	3.5	134	A	3.3	1
79	A	0.1	53	A	0.1	53	A	0.1	53	A	0.1	53	A	0.1	53	A	0.1	53	A	0.2	53	A	0.2	53	A	0.1	53	A	0.1	53	A	0.1	
80	A	0.4	93	A	0.4	93	A	0.4	93	A	0.5	93	A	0.4	93	A	0.5	93	A	1.4	134	A	1.4	134	A	1.3	134	A	0.4	134	A	0.4	1
81	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.2	59	A	0.2	101	A	0.2	101	A	0.2	101	A	0.2	101	A	0.2	1
82	A	0.	92	A	0.	92	A	0.	92	A	0.	92	A	0.	92	A	0.	92	B	1.9	203	B	1.9	203	B	1.8	203	B	1.7	203	B	1.6	2
83	A	0.4	132	A	0.4	132	A	0.4	132	A	0.7	132	A	0.7	132	A	1.	132	A	1.3	132	A	1.4	132	A	1.1	132	A	0.9	132	A	0.9	1
84	A	2.6	174	A	2.6	174	A	2.6	174	A	0.6	174	A	0.6	174	A	0.7	174	A	0.8	174	A	1.	174	A	0.8	174	A	0.7	174	A	0.7	1
85	B	3.	259	B	3.1	259	B	3.	259	B	1.5	259	B	1.5	259	B	1.7	259	B	2.3	259	B	2.3	259	B	2.1	259	B	4.5	311	B	2.8	3
86	A	4.3	256	A	4.4	256	A	4.1	256	A	1.5	256	A	1.5	256	A	2.9	256	A	4.1	256	A	4.2	256	A	3.8	256	A	1.9	256	A	1.7	2
87	A	0.8	237	A	0.9	237	A	0.8	237	A	1.5	237	A	1.4	237	A	1.7	237	A	2.3	237	A	2.4	237	A	2.1	237	A	2.	237	A	1.7	2
88	B	12.7	838	B	12.7	838	B	12.7	838	B	6.2	838	B	6.2	838	B	6.2	838	B	6.2	838	B	6.2	838	B	6.2	838	B	5.5	484	B	4.3	1
89	B	1.9	393	B	2.	393	B	1.8	393	B	0.8	393	B	0.8	393	B	1.	393	B	1.3	393	B	1.4	393	B	1.2	393	B	1.	393	B	1.	3
90	B	1.6	307	B	1.7	307	B	1.6	307	B	0.8	307	B	0.8	307	B	1.	307	B	1.3	307	B	1.4	307	B	1.2	307	B	1.1	307	B	1.	3
91	A	1.	213	A	1.1	213	A	1.	213	A	0.5	213	A	0.5	213	A	0.7	213	A	1.	213	A	1.	213	A	0.9	213	A	0.6	213	A	0.6	2
92	B	0.6	175	B	0.6	175	B	0.6	175	B	0.4	175	B	0.4	175	B	0.6	175	B	0.7	175	B	0.7	175	B	0.7	175	B	0.7	175	B	0.5	1
93	B	3.6	663	B	3.7	663	B	3.5	663	B	2.1	663	B	2.1	663	B	4.4	663	B	6.3	663	B	6.4	699	B	6.1	663	B	2.6	663	C	6.4	2
94	B	3.	334	B	3.	334	B	2.9	334	B	2.7	334	B	2.7	334	B	3.9	334	B	5.1	334	B	5.6	334	B	4.5	334	B	3.3	334	C	6.5	1
95	A	0.9	139	A	0.9	139	A	0.9	139	A	1.3	139	A	1.3	139	A	1.5	139	C	8.1	1202	C	8.1	1202	C	7.9	1202	C	12.3	2027	C	9.6	2
96	A	0.4	114	A	0.4	114	A	0.4	114	A	0.7	114	A	0.7	114	A	0.9	114	A	1.3	114	A	1.3	114	A	1.2	114	A	1.	114	A	0.7	1
97	A	0.5	127	A	0.5	127	A	0.5	127	A	0.8	127	A	0.8	127	A	0.9	127	C	40.9	1772	C	40.6	1772	F	0	0	F	0	0	C	7.9	4
98	A	1.	156	A	1.	156	A	1.1	156	A	1.6	156	A	1.6	156	A	1.8	156	C	8.1	1249	C	8.1	1249	C	8.	1249	C	12.4	2127	C	9.3	2

Table 85 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8					
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size			
99	A	1.3	176	A	1.3	176	A	1.3	176	A	2.	176	A	2.	176	A	2.5	176	C	8.1	1382	C	8.1	1382	C	8.	1382	C	12.9	2331	C	9.9	2			
100	A	0.3	98	A	0.3	98	A	0.2	98	A	0.4	98	A	0.4	98	A	0.5	98	A	0.8	242	A	0.8	242	A	0.6	242	A	0.6	242	A	0.5	2			
101	A	1.9	200	A	1.9	200	A	1.9	200	A	2.9	200	A	2.9	200	A	3.8	200	C	8.2	1476	C	8.1	1476	C	8.	1476	C	13.1	2438	C	10.2	2			
102	A	0.7	135	A	0.7	135	A	0.7	135	A	1.	135	A	1.	135	A	1.3	135	C	32.1	2385	C	31.	2385	C	55.9	277	F	0	0	C	8.1	8			
103	A	1.1	186	A	1.1	186	A	1.1	186	A	1.7	186	A	1.6	186	A	1.9	186	C	7.9	1302	C	7.8	1302	C	7.7	1302	C	12.8	2097	C	9.5	2			
104	A	2.8	249	A	2.9	249	A	2.9	249	A	2.8	223	A	2.8	223	A	3.4	223	C	8.	1476	C	7.9	1476	C	7.8	1476	C	10.9	925	C	9.	2			
105	A	2.6	189	A	2.6	189	A	2.6	189	A	3.9	189	A	4.1	189	A	4.4	189	C	9.1	1411	C	8.9	1411	C	8.6	1411	C	10.6	1739	C	8.1	2			
106	A	0.2	57	A	0.2	57	A	0.2	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.2	57	A	0.2	57	A	0.2	57	A	0.2	57	A	0.2				
107	C	6.6	1240	C	6.6	1240	C	6.6	1240	C	6.4	1240	C	6.3	1240	C	6.4	1240	C	6.4	1240	C	6.4	1240	C	6.4	1240	C	6.4	1240	C	6.4	1			
108	C	6.3	286	C	6.3	286	C	6.1	286	C	6.5	1173	C	6.5	1173	C	6.5	1173	C	6.6	1173	C	6.6	1173	C	6.6	1173	C	6.5	1173	C	6.5	1			
109	C	7.	1374	C	7.	1374	C	6.9	1374	C	6.4	1374	C	6.4	1374	C	6.5	1374	C	6.6	1374	C	6.6	1374	C	6.6	1374	C	6.5	1374	C	6.5	1			
110	C	12.8	1418	C	12.8	1418	C	12.8	1418	C	7.3	1418	C	7.2	1418	C	7.5	1418	C	7.7	1418	C	7.8	1418	C	7.7	1418	C	7.7	1418	C	7.6	1			
111	C	8.3	1398	C	8.3	1398	C	8.3	1398	C	6.9	1752	C	6.9	1752	C	7.	1752	C	7.3	1752	C	7.3	1752	C	7.2	1605	C	7.2	1605	C	9.9	1			
112	C	7.6	1108	C	7.6	1108	C	7.5	1108	C	6.8	1347	C	6.8	1347	C	7.	1347	C	7.1	1347	C	7.1	1347	C	7.	1249	C	7.	1249	C	7.	1			
113	C	7.5	1142	C	7.6	1142	C	7.4	1142	C	7.	1380	C	6.9	1380	C	7.2	1380	C	7.4	1380	C	7.4	1380	C	7.3	1282	C	7.2	1282	C	7.2	1			
114	C	8.5	1487	C	8.5	1487	C	8.4	1487	C	7.4	1841	C	7.3	1841	C	7.7	1841	C	7.9	1841	C	8.	1841	C	7.8	1694	C	7.8	1694	C	7.7	1			
115	A	0.6	134	A	0.6	134	A	0.6	134	A	0.9	134	A	0.9	134	A	1.1	134	C	7.3	850	C	6.2	850	C	5.5	850	C	5.2	850	C	4.7	8			
116	A	0.8	156	A	0.8	156	A	0.8	156	A	1.1	156	A	1.2	156	A	1.5	156	C	8.4	364	C	7.	364	C	7.1	364	C	5.3	364	C	4.9	3			
117	A	0.5	265	A	0.5	265	A	0.4	265	C	2.4	431	C	2.4	431	C	2.7	431	C	3.8	431	C	3.3	431	C	3.	431	C	2.7	431	C	2.3	4			
118	A	0.2	112	A	0.2	112	A	0.2	112	A	0.3	112	A	0.3	112	A	0.3	112	C	3.2	383	C	2.8	383	C	2.5	383	C	2.1	383	C	2.	3			
119	A	0.9	148	C	8.3	2797	C	8.2	2797	C	9.6	2716	C	10.	2716	C	7.5	245	C	2.8	262	C	2.4	262	C	2.2	262	C	2.	262	C	1.7	2			
120	A	1.2	279	A	1.3	279	A	1.2	279	C	2.5	413	C	2.4	413	C	3.1	413	C	4.2	413	C	3.6	413	C	3.3	413	C	2.8	413	C	2.5	4			
121	A	0.3	84	A	0.3	84	A	0.2	84	A	0.2	84	A	0.2	84	A	0.3	84	A	0.4	84	A	0.4	84	A	0.4	84	A	0.3	84	A	0.3				
122	A	2.3	185	A	2.4	185	A	2.3	185	A	0.9	185	A	0.9	185	A	1.1	185	A	1.2	185	A	1.2	185	A	1.2	185	A	1.1	185	A	1.1	1			
123	B	4.2	377	B	4.7	377	B	4.5	377	B	4.2	377	B	4.5	377	B	5.5	377	B	6.1	473	B	6.1	473	B	6.1	473	B	6.	377	B	5.7	3			
124	A	1.8	351	A	1.9	351	A	1.8	351	A	0.8	351	A	0.9	351	A	1.1	351	A	1.	351	A	1.1	351	A	1.3	351	A	0.9	351	C	6.1	1			
125	A	4.2	323	A	4.2	323	A	4.1	323	A	3.	323	A	3.2	323	A	3.8	323	A	5.1	323	A	5.2	323	A	4.8	323	A	4.6	323	A	4.1	3			
126	B	8.4	612	B	8.4	612	B	8.2	612	B	6.3	612	B	6.3	612	B	6.4	612	B	6.2	612	B	6.2	612	B	6.2	612	B	6.2	612	B	6.1	6			
127	A	2.3	219	A	2.3	219	A	2.1	219	A	1.9	219	A	1.8	219	A	2.1	219	A	2.8	219	A	2.9	219	A	2.7	220	C	6.8	944	C	6.	4			
128	B	7.4	712	B	7.4	712	B	7.2	712	B	6.3	712	B	6.3	712	B	6.3	712	B	6.3	712	B	6.3	712	B	6.3	712	B	6.3	712	C	7.3	1150	C	7.2	1
129	C	4.5	498	C	4.7	498	C	4.4	498	C	5.6	498	C	5.5	498	C	6.8	498	C	7.8	1088	C	7.9	1088	C	7.7	1088	C	7.8	498	C	7.8	3			
130	A	3.6	515	A	3.7	515	A	3.3	515	A	3.1	515	A	3.1	515	A	4.4	515	A	6.	515	A	6.1	515	A	5.6	515	C	8.3	1125	C	8.2	4			
131	A	0.5	125	A	0.5	125	A	0.5	125	A	0.5	125	A	0.5	125	A	0.6	125	A	0.8	125	A	0.8	125	A	0.7	125	A	0.5	123	A	0.5	1			
132	A	0.2	69	A	0.2	69	A	0.2	69	A	0.1	69	A	0.1	69	A	0.2	69	A	0.2	69	A	0.2	69	A	0.2	69	A	0.2	69	A	0.2				

Table 85 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
133	A	0.3	123	A	0.3	123	A	0.3	123	A	0.2	123	A	0.2	123	A	0.3	123	A	0.3	123	A	0.3	123	A	0.2	123	A	0.2	123	A	0.2	123
134	A	2.4	271	A	2.3	271	A	2.2	271	A	3.3	271	A	2.9	271	A	4.1	271	A	5.9	271	A	6.	271	A	5.5	271	A	4.7	271	A	3.6	271
135	B	5.7	979	B	5.8	979	B	5.1	979	B	7.2	979	B	7.4	979	A	11.9	469	A	13.9	469	A	14.1	469	A	13.4	469	B	10.9	1004	B	8.9	1004
136	A	1.	159	A	0.9	159	A	0.9	159	A	1.1	159	A	1.	159	A	1.3	159	A	1.8	159	A	1.8	159	A	1.6	159	A	1.4	159	A	1.3	159
137	A	6.4	414	A	6.4	414	A	6.3	414	A	6.2	414	A	6.2	414	A	6.3	414	A	6.2	414	A	6.2	414	A	6.2	414	A	6.2	414	A	6.2	414
138	A	1.3	269	A	1.3	269	A	1.2	269	A	1.3	269	A	1.3	269	A	1.5	269	A	2.1	269	A	2.1	269	A	1.9	264	A	1.9	264	A	1.8	264
139	A	0.8	181	A	0.8	181	A	0.8	181	A	1.	181	A	1.	181	A	1.1	181	A	1.5	181	A	1.6	181	A	1.5	183	A	1.4	183	A	4.8	183
140	A	3.	395	A	3.	395	A	2.9	395	A	2.7	395	A	2.6	395	A	6.	395	A	6.6	497	A	6.6	497	A	3.6	406	A	3.2	406	A	3.	406
141	A	1.1	190	A	1.1	190	A	1.1	190	A	1.	190	A	0.9	190	A	1.1	190	A	1.5	190	A	1.5	190	A	1.4	190	A	1.3	190	A	4.6	190
142	C	6.	438	C	6.1	438	C	5.9	438	C	6.8	603	C	6.7	603	C	6.9	603	C	6.7	603	C	14.9	2141	C	15.3	2141	F	0	0	F	0	0
143	A	0.7	166	A	0.6	166	A	0.6	166	A	0.7	166	A	0.8	166	A	0.8	166	A	1.1	166	A	1.1	166	A	1.	166	A	1.	166	A	0.9	166
144	A	3.1	350	A	3.1	350	A	3.	350	A	3.6	350	A	3.7	350	A	3.9	350	A	5.8	350	A	6.	350	A	6.5	351	A	6.8	484	A	5.	350
145	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
146	C	7.6	786	C	7.6	786	C	7.4	786	C	7.2	786	C	7.2	786	C	7.4	786	C	7.3	786	C	12.3	2324	C	12.8	2324	F	0	0	F	0	0
147	A	0.9	158	A	0.9	158	A	0.8	158	A	1.1	158	A	1.	158	A	1.1	158	A	1.6	158	A	1.6	158	A	1.4	158	A	1.6	158	A	1.3	158
148	A	1.1	76	A	1.1	76	A	1.1	76	A	0.9	76	A	0.8	76	A	1.	76	A	1.3	76	A	1.3	76	A	1.1	76	A	1.1	76	A	0.8	76
149	A	2.3	187	A	2.3	187	A	2.2	187	A	1.6	187	A	1.6	187	A	1.8	187	A	2.6	187	A	2.6	187	A	2.4	189	A	2.2	189	A	2.	189
150	A	2.	108	A	2.2	108	A	2.1	108	A	1.5	108	A	1.5	108	A	2.	108	A	2.7	108	A	2.8	108	A	1.3	129	A	1.3	129	A	1.6	108
151	A	3.1	241	A	3.3	241	A	3.2	241	A	1.7	241	A	1.7	241	A	2.3	241	A	3.2	241	A	3.3	241	A	3.	241	A	2.6	241	A	3.	241
152	A	5.6	250	A	6.	250	A	5.8	250	A	5.4	250	A	5.6	250	A	6.6	311	A	6.7	311	A	6.7	311	A	6.6	222	A	4.9	222	A	5.5	250
153	A	4.6	216	A	4.3	216	A	4.2	216	A	4.	216	A	3.9	216	A	6.9	232	A	7.	232	A	7.	232	A	6.9	232	A	4.7	216	A	4.3	216
154	A	3.7	233	A	3.8	233	A	3.5	233	A	1.7	233	A	1.7	233	A	2.4	233	A	2.9	233	A	3.6	233	A	2.9	233	A	2.4	233	A	3.1	233
155	A	4.1	219	A	4.	219	A	4.	219	A	6.	219	A	6.1	223	A	6.7	270	A	6.5	270	C	25.	1330	C	24.7	1328	A	6.4	270	A	6.4	270
156	A	3.1	354	A	3.	354	A	3.	354	A	4.3	354	A	4.4	358	A	5.2	358	A	6.9	358	C	10.1	1474	C	10.3	1473	A	5.7	358	A	5.3	358
157	A	10.7	507	A	10.8	507	A	10.7	507	C	8.8	1169	C	8.8	1169	C	8.9	1169	C	9.1	1169	C	9.2	1169	C	9.1	1169	C	9.	1169	C	22.7	1169
158	C	6.8	1371	C	6.8	1371	C	6.7	1371	C	6.5	1371	C	6.5	1371	C	6.6	1371	C	6.6	1371	C	6.6	1371	C	6.6	1371	C	6.6	1371	C	25.5	1371
159	C	6.9	1485	C	6.9	1485	C	6.8	1485	C	6.7	1485	C	6.6	1485	C	6.7	1485	C	6.8	1485	C	6.9	1485	C	6.8	1485	C	6.8	1485	C	27.	1485
160	A	10.	340	A	10.1	340	A	9.9	340	A	14.3	340	A	15.8	342	A	21.	384	C	18.5	741	C	8.9	741	C	8.8	741	C	20.3	741	C	22.6	741
161	A	9.5	351	A	9.7	351	A	9.3	351	A	13.	351	B	17.1	2642	B	17.9	2642	B	19.2	2642	C	30.2	19292	C	31.	25151	B	23.6	2642	B	18.9	2642
162	C	6.7	1298	C	6.7	1298	C	6.6	1298	C	6.5	1298	C	6.4	1298	C	6.5	1298	C	6.5	1298	C	6.5	1298	C	6.5	1298	C	6.5	1298	C	24.5	1298
163	C	6.7	1376	C	6.7	1376	C	6.6	1376	C	6.5	1376	C	6.5	1376	C	6.5	1376	C	6.6	1376	C	6.6	1376	C	6.5	1376	C	6.5	1376	C	25.1	1376
164	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	B	0.	104	B	0.1	104	B	0.	104	B	0.	104	B	0.	104
165	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	B	1.3	164	B	1.7	164	B	1.1	164	B	1.1	164	B	1.1	164
166	A	0.4	85	A	0.4	85	A	0.4	85	A	0.6	85	A	0.6	85	A	0.7	85	B	6.1	403	B	6.1	403	B	6.1	403	B	6.1	403	B	6.1	403



Table 85 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
167	A	0.5	90	A	0.6	90	A	0.7	90	A	0.2	90	A	0.2	90	A	0.3	90	A	0.3	90	A	0.3	90	A	0.2	90	A	0.2	90	A	0.2	90
168	A	0.5	120	A	0.5	120	A	0.4	108	A	0.6	108	A	0.6	108	A	1.2	108	B	5.6	392	B	5.8	392	B	5.3	392	B	5.	392	B	4.7	392
169	A	1.	152	A	1.	152	A	0.9	152	A	0.5	152	A	0.5	152	A	0.5	152	A	0.4	152	A	0.4	152	A	0.4	152	A	0.4	152	A	0.4	152
170	A	0.7	121	A	0.7	121	A	0.7	121	A	0.3	121	A	0.3	121	A	0.4	121	A	0.3	121	A	0.3	121	A	0.3	121	A	0.2	121	A	0.2	121
171	A	0.6	157	A	0.6	157	A	0.6	157	A	0.7	157	A	0.7	157	A	0.7	157	A	0.9	157	A	0.9	157	A	0.8	157	A	0.8	157	A	0.8	157
172	A	1.3	269	A	1.3	269	A	1.2	269	A	1.3	269	A	1.3	269	A	1.7	269	A	1.8	269	A	1.9	269	A	1.7	269	A	1.7	269	A	1.6	269
173	A	0.6	146	A	0.6	146	A	0.6	146	A	0.6	146	A	0.6	146	A	0.7	146	A	0.9	146	A	0.9	146	A	0.9	147	A	0.9	147	A	0.9	147
174	C	3.7	422	C	3.8	422	C	3.7	422	C	5.2	422	C	5.3	422	C	6.	422	C	6.7	556	C	14.9	2094	C	15.3	2094	C	6.6	556	C	9.	422
175	A	3.9	291	A	4.	291	A	4.	291	A	1.7	291	A	1.6	291	A	1.8	291	A	2.3	291	A	2.4	291	A	2.2	286	A	2.1	286	A	1.9	291
176	A	1.2	180	A	1.1	180	A	1.1	180	A	0.9	180	A	0.9	180	A	1.1	180	A	1.3	180	A	1.3	180	A	1.4	170	A	1.4	170	A	1.3	180
177	C	4.2	420	C	4.2	420	C	4.3	420	C	5.9	420	C	6.1	420	C	7.	556	C	6.7	556	C	15.	2094	C	15.3	2094	C	6.4	556	C	8.9	556
178	C	4.	482	C	4.	482	C	4.1	482	C	5.7	482	C	5.9	482	C	7.1	608	C	6.9	608	C	14.9	2146	C	15.8	2146	C	6.6	608	C	6.6	608
179	A	2.1	274	A	2.1	274	A	2.1	274	A	2.4	274	A	2.4	274	A	2.7	274	A	3.5	274	A	3.6	274	A	4.	274	A	4.9	274	A	3.8	274
180	A	1.5	103	A	1.5	103	A	1.5	103	A	0.9	103	A	0.9	103	A	1.2	103	A	1.5	103	A	1.6	103	A	1.4	103	A	1.2	103	A	1.2	103
181	A	0.8	67	A	0.7	67	A	0.7	67	A	0.2	67	A	0.2	67	A	0.3	67	A	0.3	67	A	0.3	67	A	0.3	67	A	0.3	67	A	0.3	67
182	A	0.4	64	A	0.4	64	A	0.4	64	A	0.4	64	A	0.4	64	A	0.5	64	A	0.5	64	A	0.5	64	A	0.4	64	A	0.4	64	A	0.4	64
183	A	1.6	139	A	1.9	139	A	1.9	139	A	1.1	139	A	1.1	139	A	1.4	139	A	1.9	139	A	1.9	139	A	1.7	139	A	1.4	139	A	1.4	139
184	A	2.	165	A	2.3	165	A	2.3	165	A	1.1	165	A	1.1	165	A	1.3	165	A	1.6	165	A	1.7	165	A	1.5	166	A	1.5	166	A	2.9	165
185	A	2.7	176	A	3.	176	A	2.9	176	A	2.2	176	A	2.2	176	A	2.8	176	A	5.1	176	A	5.1	176	A	2.5	176	A	2.5	176	A	2.9	176
186	A	0.8	128	A	0.8	128	A	0.8	128	A	1.	128	A	1.	131	A	1.2	131	A	1.2	131	C	20.8	693	C	18.2	644	A	1.1	131	A	4.1	128
187	A	0.3	58	A	0.3	58	A	0.3	58	A	0.2	58	A	0.2	58	A	0.3	58	A	0.2	58	A	0.2	58	A	0.2	58	A	0.2	58	A	0.2	58
188	A	3.2	369	A	3.2	369	A	3.3	369	A	4.8	369	A	5.	373	A	6.5	373	A	7.1	424	C	10.2	1483	C	10.4	1482	A	6.5	373	A	5.7	369
189	A	1.8	260	A	1.8	260	A	1.8	260	A	2.4	260	A	2.5	262	A	3.3	262	A	3.5	262	C	23.2	1355	C	22.8	1354	A	3.2	262	A	2.9	260
190	A	1.9	274	A	1.9	274	A	1.9	274	A	2.7	274	A	2.7	276	A	3.6	276	A	4.1	276	C	9.6	1380	C	9.9	1379	A	3.5	276	A	3.2	274
191	A	3.5	462	A	3.6	462	A	3.4	462	A	4.8	462	A	4.8	466	A	6.7	466	A	7.2	516	C	7.3	1575	C	10.5	1574	A	6.4	466	A	5.8	462
192	A	3.5	390	A	3.5	390	A	3.5	390	A	4.9	390	A	4.9	394	A	5.9	394	A	7.	473	C	6.9	1532	C	6.9	1531	A	6.4	394	A	5.8	390
193	A	3.1	365	A	3.1	365	A	3.1	365	A	4.5	365	A	4.6	369	A	5.5	369	A	6.7	432	C	7.8	1491	C	9.9	1490	A	6.	369	A	5.5	365
194	C	6.6	1315	C	6.6	1315	C	6.5	1315	C	6.4	1315	C	6.4	1315	C	6.5	1315	C	6.4	1315	C	6.4	1315	C	6.4	1315	C	6.4	1315	C	6.4	1315
195	C	6.5	1196	C	6.6	1196	C	6.5	1196	C	6.4	1196	C	6.4	1196	C	6.4	1196	C	6.4	1196	C	6.4	1196	C	6.4	1196	C	6.4	1196	C	6.4	1196
196	C	7.6	1353	C	7.6	1353	C	7.6	1353	C	6.6	1353	C	6.6	1353	C	6.6	1353	C	6.7	1353	C	6.7	1353	C	6.6	1353	C	6.6	1353	C	6.6	1353
197	C	21.2	1175	C	21.	1175	C	21.	1175	C	12.8	1175	C	12.6	1175	C	15.5	1175	C	9.2	1175	C	9.2	1175	C	9.1	1175	C	9.	1175	C	9.	1175
198	A	6.5	402	A	6.8	402	A	6.7	402	C	17.8	4017	C	18.	4017	C	19.1	4017	C	21.8	4017	C	31.2	55598	C	31.1	55598	C	25.2	4017	C	19.8	402
199	C	6.7	1281	C	6.7	1281	C	6.6	1281	C	6.5	1281	C	6.5	1281	C	6.6	1281	C	6.6	1281	C	6.6	1281	C	6.6	1281	C	6.6	1281	C	6.6	1281
200	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.2	111	A	0.2	111	A	0.2	111	A	0.2	111	A	0.2	111

Table 85 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
201	A	2.1	137	A	2.2	137	A	2.1	137	A	0.6	137	A	0.6	137	A	0.7	137	A	0.6	137	A	0.6	137	A	0.6	137	A	0.5	137	A	0.5	137
202	A	2.5	288	A	2.5	288	A	2.5	288	A	1.	288	A	0.9	288	A	2.3	288	A	2.1	288	A	2.1	288	A	1.6	288	A	0.7	288	A	1.9	288
203	A	2.9	266	A	3.	266	A	2.9	266	A	1.4	266	A	1.2	266	A	1.6	266	A	1.6	266	A	1.7	266	A	1.5	266	A	1.4	266	A	1.4	266
204	B	5.6	429	B	5.7	429	B	5.5	429	B	5.8	429	B	5.7	429	B	6.2	429	B	6.2	549	B	6.2	549	B	6.1	429	B	6.1	549	B	5.7	429
205	A	2.3	528	A	2.4	528	A	2.4	528	A	1.5	528	A	1.4	528	A	2.7	528	A	3.	528	A	2.9	528	A	3.	528	A	1.4	528	C	6.1	288
206	A	4.6	383	A	4.8	383	A	4.6	383	A	3.2	383	A	3.	383	A	6.7	466	A	6.2	466	A	6.2	466	A	6.2	466	A	3.6	383	A	3.8	383
207	A	6.1	367	A	6.5	367	A	6.1	367	A	4.8	367	A	4.7	367	A	5.5	367	A	6.2	441	A	6.2	441	A	6.2	441	A	6.2	441	A	5.5	367
208	A	1.9	287	A	1.9	287	A	1.9	287	A	1.2	287	A	1.1	287	A	2.2	287	A	1.9	287	A	2.6	287	A	1.7	287	A	1.	287	A	2.	287
209	B	2.5	466	B	2.6	466	B	2.5	466	B	3.	466	B	2.7	466	B	3.3	466	B	4.4	466	B	4.6	466	B	4.3	466	B	4.5	466	B	3.3	466
210	A	4.	389	A	4.3	389	A	4.2	389	A	6.	389	A	5.4	389	A	6.2	389	A	6.3	480	A	6.3	480	A	6.3	480	A	6.3	480	A	6.3	480
211	A	1.2	301	A	1.3	301	A	1.2	301	A	1.6	301	A	1.5	301	A	1.7	301	A	2.4	301	A	2.3	301	A	2.1	301	A	1.8	301	A	2.4	301
212	A	0.4	107	A	0.4	107	A	0.4	107	A	0.4	107	A	0.3	107	A	0.4	107	A	0.4	107	A	0.4	107	A	0.4	107	A	0.4	107	A	0.4	107
213	A	1.6	321	A	1.7	321	A	1.6	321	A	1.8	321	A	1.6	321	A	2.2	321	A	3.4	321	A	3.	321	A	2.4	316	A	2.4	316	A	2.2	321
214	C	3.9	428	C	4.	428	C	3.9	428	C	5.7	428	C	5.5	428	C	7.	566	C	6.7	566	C	14.5	2104	C	15.5	2104	C	6.6	566	C	9.3	566
215	C	6.4	455	C	7.1	455	C	6.9	455	C	3.4	455	C	3.2	455	C	4.4	455	C	5.6	455	C	14.8	2114	C	15.8	2114	C	6.1	455	C	4.1	455
216	C	4.5	438	C	4.6	438	C	4.5	438	C	6.5	438	C	6.1	438	C	7.	579	C	6.8	579	C	14.9	2117	C	15.9	2117	C	6.5	579	C	10.	579
217	A	3.	405	A	3.	405	A	2.9	405	A	2.9	405	A	2.7	405	A	4.	405	A	4.4	405	A	5.2	405	A	4.8	411	A	4.	411	A	3.7	405
218	C	10.5	502	C	10.7	502	C	10.5	502	C	4.5	502	C	4.3	502	C	5.2	502	C	6.9	502	C	15.6	2159	C	16.6	2159	C	7.1	621	C	5.4	502
219	A	2.1	259	A	2.1	259	A	2.1	259	A	1.3	259	A	1.2	259	A	1.4	259	A	1.8	259	A	1.8	259	A	1.6	259	A	1.6	259	A	1.4	259
220	A	1.3	178	A	1.5	178	A	1.5	178	A	1.1	178	A	1.	178	A	1.2	178	A	1.5	178	A	1.6	178	A	1.4	178	A	1.4	178	A	1.3	178
221	C	6.8	500	C	6.9	665	C	6.8	665	C	6.8	665	C	6.8	665	C	7.1	665	C	7.	665	C	15.2	2203	C	16.2	2203	C	6.7	665	C	6.6	665
222	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
223	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
224	A	2.2	195	A	2.2	195	A	2.1	195	A	1.4	195	A	1.4	195	A	1.6	195	A	2.	195	A	2.1	195	A	1.9	195	A	1.6	195	A	1.5	195
225	A	4.7	316	A	4.8	316	A	4.6	316	A	2.7	316	A	2.6	316	A	4.3	316	A	5.6	316	A	5.7	316	A	5.1	316	A	3.8	316	A	4.1	316
226	A	2.4	272	A	2.5	272	A	2.5	272	A	2.6	272	A	2.5	276	A	2.8	276	A	3.5	276	C	9.8	1376	C	10.1	1375	A	3.1	272	A	2.8	272
227	A	1.5	214	A	1.5	214	A	1.5	214	A	1.4	214	A	1.3	216	A	1.7	216	A	1.8	216	C	24.	1318	C	23.7	1317	A	1.6	216	A	1.4	216
228	A	2.6	339	A	2.7	339	A	2.7	339	A	4.	339	A	3.9	343	A	4.7	343	A	5.8	343	C	10.1	1465	C	10.4	1464	A	5.	343	A	4.4	339
229	C	18.2	1176	C	18.5	1176	C	18.5	1176	C	20.8	1176	C	20.9	1176	C	21.5	1176	C	9.2	1176	C	9.2	1176	C	9.1	1176	C	9.	1176	C	21.7	1176
230	C	10.7	1232	C	11.3	1232	C	10.7	1232	C	6.6	1232	C	6.6	1232	C	6.6	1232	C	6.7	1232	C	6.7	1232	C	6.7	1232	C	6.6	1232	C	22.1	1232
231	C	7.1	1614	C	7.2	1614	C	7.	1614	C	7.	1614	C	6.9	1614	C	7.2	1614	C	7.2	1614	C	7.2	1614	C	7.1	1614	C	7.1	1614	C	7.	1614
232	C	21.7	1182	C	19.1	1182	C	21.7	1182	C	13.	1182	C	12.7	1182	C	15.9	1182	C	9.4	1182	C	9.5	1182	C	9.4	1182	C	9.3	1182	C	24.1	1182
233	C	16.3	397	C	16.1	397	C	16.2	397	C	19.2	1169	C	19.1	1169	C	20.2	1169	C	21.	1169	C	9.5	1169	C	9.4	1169	C	21.2	1169	C	19.9	1169
234	C	6.9	1351	C	6.8	1351	C	6.7	1351	C	6.6	1351	C	6.6	1351	C	6.8	1351	C	6.7	1351	C	6.7	1351	C	6.7	1351	C	6.7	1351	C	6.7	1351

Table 85 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8					
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size			
235	C	6.9	1468	C	6.9	1468	C	6.8	1468	C	6.7	1468	C	6.6	1468	C	6.9	1468	C	6.9	1468	C	6.9	1468	C	6.8	1468	C	6.8	1468	C	27.6	1			
236	C	7.2	1441	C	7.3	1441	C	7.2	1441	C	6.8	1441	C	6.7	1441	C	6.9	1441	C	6.9	1441	C	6.9	1441	C	6.9	1441	C	6.8	1441	C	6.8	1			
237	A	1.9	268	A	1.9	268	A	2.	268	A	3.4	268	A	3.4	268	A	5.6	268	B	6.6	1677	B	6.6	1677	B	6.6	1677	B	6.4	924	B	5.5	9			
238	C	2.9	204	C	3.	204	C	2.9	204	C	2.8	204	C	2.6	204	C	4.1	204	C	4.6	184	C	4.3	184	C	3.8	184	C	6.4	918	C	3.2	1			
239	C	3.9	399	C	4.	399	C	3.9	399	C	4.6	399	C	4.3	399	C	5.8	399	C	6.	392	C	5.	392	C	4.6	392	C	7.	591	C	5.6	3			
240	C	3.3	218	C	3.3	218	C	3.3	218	C	2.	218	C	1.9	218	C	2.2	218	C	5.2	231	C	4.6	231	C	4.1	231	C	3.1	231	C	2.4	2			
241	C	3.6	228	C	3.7	228	C	3.5	228	C	3.	228	C	2.8	228	C	5.5	228	C	6.3	208	C	6.8	730	C	6.3	208	C	6.4	982	C	3.5	2			
242	C	4.	421	C	4.1	421	C	3.9	421	C	3.7	421	C	3.5	421	C	5.	421	C	4.1	401	C	3.4	401	C	2.8	413	C	2.2	373	C	1.8	4			
243	C	4.7	542	C	4.8	542	C	4.6	542	C	4.3	542	C	4.	542	C	5.1	542	C	7.	751	C	6.2	522	C	6.4	480	C	3.6	440	C	3.3	4			
244	C	5.1	450	C	5.3	450	C	5.1	450	C	5.3	450	C	4.9	450	C	6.9	720	C	7.1	681	C	7.1	681	C	6.4	442	C	3.8	402	C	3.	4			
245	C	2.5	267	C	2.5	267	C	2.4	267	C	1.6	267	C	1.5	267	C	3.2	255	C	6.8	277	C	5.8	277	C	7.	539	C	6.9	539	C	2.9	3			
246	C	9.1	813	C	9.2	813	C	9.1	813	C	7.1	813	C	7.	813	C	7.6	839	C	7.5	793	C	7.6	793	C	7.4	793	C	7.2	494	C	6.1	5			
247	A	0.5	124	A	0.5	124	A	0.5	124	A	0.8	124	A	0.7	124	A	0.9	124	A	1.2	124	A	1.2	124	A	1.1	124	A	0.9	124	A	0.9	1			
248	A	0.5	146	A	0.5	146	A	0.5	146	A	0.9	146	A	0.9	146	A	1.	146	A	1.3	146	A	1.3	146	A	1.2	146	A	1.1	146	A	1.	1			
249	A	0.5	121	A	0.5	121	A	0.5	121	A	0.8	121	A	0.7	121	A	0.9	121	C	9.3	824	C	7.6	824	C	6.4	824	C	4.9	859	C	4.5	8			
250	A	0.7	148	A	0.8	148	A	0.7	148	A	0.7	150	A	0.7	150	A	0.9	150	C	10.	1069	C	9.	658	C	8.2	658	C	6.3	658	C	6.1	6			
251	A	0.6	127	A	0.6	127	A	0.6	127	A	1.1	127	A	1.	127	A	1.3	127	A	1.4	127	A	1.4	127	A	1.3	127	A	1.4	127	A	1.1	1			
252	A	0.7	141	A	0.7	141	A	0.7	141	A	1.1	141	A	1.	141	A	1.3	141	C	10.1	969	C	8.9	919	C	7.8	919	C	6.3	965	C	5.	9			
253	C	3.9	271	C	10.9	3313	C	8.7	271	C	9.2	271	C	9.2	271	C	11.7	383	C	3.2	263	C	2.7	263	C	2.3	263	C	2.2	263	C	1.9	2			
254	C	2.1	253	C	8.1	2440	C	8.	2440	C	9.7	2480	C	9.7	2480	C	7.2	253	C	2.4	214	C	2.1	214	C	1.8	214	C	1.4	214	C	1.3	2			
255	C	2.7	211	C	7.3	1055	C	7.3	1055	C	6.9	1055	C	6.9	1055	C	7.3	1055	C	4.6	228	C	4.2	228	C	3.3	228	C	3.7	228	C	3.3	2			
256	A	0.4	97	A	0.4	97	A	0.4	97	A	0.4	97	A	0.3	97	A	0.4	97	A	0.5	97	A	0.5	97	A	0.5	97	A	0.4	95	A	1.8	1			
257	A	0.3	85	A	0.3	85	A	0.3	85	A	0.2	85	A	0.2	85	A	0.3	85	A	0.4	85	A	0.4	85	A	0.3	85	A	0.6	65	A	1.5	1			
258	A	0.6	89	A	0.6	89	A	0.6	89	A	0.3	89	A	0.3	89	A	0.4	89	A	0.5	89	A	0.5	89	A	0.5	89	A	0.7	67	A	2.1	1			
259	A	0.9	108	A	0.9	108	A	0.8	108	A	0.7	108	A	0.7	108	A	0.9	108	A	1.1	108	A	1.1	108	A	1.	108	A	0.8	86	A	0.9	1			
260	A	2.7	151	A	2.7	151	A	2.7	151	A	1.	151	A	1.	151	A	1.3	151	A	1.5	151	A	1.5	151	A	2.2	153	C	6.4	1322	C	2.4	2			
261	A	5.1	242	A	5.5	242	A	5.4	242	A	3.3	242	A	3.2	242	A	6.4	351	A	6.4	351	A	6.4	351	A	6.4	351	A	6.4	351	C	7.9	941	C	7.8	9
262	A	4.3	209	A	4.3	209	A	4.2	209	A	2.4	209	A	2.4	209	A	6.4	311	A	6.4	311	A	6.4	311	A	6.4	311	A	6.4	311	C	7.7	887	C	7.5	8
263	A	3.9	153	A	3.8	153	A	3.7	153	A	1.6	153	A	1.5	153	A	2.	153	A	2.6	153	A	2.7	153	A	2.6	153	A	2.6	153	C	4.3	537	C	2.5	2
264	A	3.8	162	A	3.9	162	A	3.9	162	A	2.7	162	A	2.6	162	A	3.5	162	A	4.1	162	A	4.3	162	A	4.2	162	A	4.2	162	C	8.1	881	C	5.9	5
265	A	2.6	163	A	2.7	163	A	2.5	163	A	0.9	163	A	0.8	163	A	1.1	163	A	1.2	163	A	1.2	163	A	1.2	163	A	1.1	163	C	4.	535	C	2.8	5
266	A	4.6	172	A	4.7	172	A	4.7	172	A	3.4	172	A	3.3	172	A	4.1	172	A	5.5	172	A	5.6	172	A	5.	174	C	5.2	527	C	4.4	5			
267	A	0.5	155	A	0.5	155	A	0.5	155	A	1.1	155	A	1.	155	A	1.7	155	A	1.5	155	A	2.	155	A	1.4	155	A	1.3	155	A	1.1	1			
268	A	0.5	121	A	0.5	121	A	0.5	121	A	0.8	121	A	0.7	121	A	1.	121	A	1.	121	A	1.1	121	A	1.1	121	A	1.	121	A	0.9	121	A	1.	1

Table 85 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
269	A	0.8	165	A	0.8	165	A	0.8	165	A	1.	167	A	1.	167	A	1.2	167	C	13.	503	C	25.8	7875	C	25.6	7875	C	5.1	363	C	4.	3
270	A	1.3	224	A	1.3	224	A	1.3	224	A	1.4	224	A	1.3	224	A	1.6	224	A	1.9	224	A	2.	224	A	1.8	224	A	2.6	224	A	1.9	2
271	A	1.	156	A	0.9	156	A	1.	156	A	1.5	156	A	1.4	156	A	1.9	156	C	12.1	488	C	25.9	7849	C	25.6	7849	C	8.8	1016	C	7.1	3
272	A	0.9	166	A	1.	166	A	1.	166	A	1.5	166	A	1.5	166	A	1.8	166	C	12.7	503	C	25.9	7875	C	24.6	7039	C	5.3	362	C	3.9	3
273	A	0.3	132	A	0.3	132	A	0.3	132	A	0.4	132	A	0.4	132	A	0.5	132	A	3.5	190	C	30.8	48046	C	30.8	48046	C	2.6	396	C	2.1	6
274	A	2.7	147	C	3.9	481	C	3.9	481	C	6.2	481	C	5.4	481	C	6.4	791	A	3.8	147	C	25.7	7870	C	25.6	7870	C	2.7	215	C	1.9	2
275	A	4.4	232	A	4.7	232	A	4.6	232	C	28.1	16090	C	28.2	16100	C	28.7	16100	A	6.9	232	C	30.1	28723	C	29.5	28723	C	3.9	388	C	7.	9
276	A	3.	155	A	3.1	155	A	3.1	155	A	2.7	155	A	2.6	155	A	3.6	155	A	5.4	155	A	5.7	155	A	6.3	195	A	1.6	118	A	3.4	1
277	A	1.4	101	A	1.4	101	A	1.4	101	A	0.5	101	A	0.5	101	A	0.6	101	A	0.7	101	A	0.8	101	A	0.7	101	A	0.8	82	A	0.6	1
278	A	1.4	120	A	1.5	120	A	1.3	120	A	0.9	120	A	0.8	120	A	1.1	120	A	1.5	120	A	1.6	120	A	1.4	120	A	1.	98	A	1.1	1
279	A	1.9	141	A	1.9	141	A	1.8	141	A	1.3	141	A	1.3	141	A	1.8	141	A	2.6	141	A	3.1	141	A	2.5	141	A	1.3	119	A	1.6	1
280	A	2.9	170	A	3.2	170	A	3.1	170	A	1.6	170	A	1.6	170	A	2.7	170	A	3.6	170	A	3.9	170	A	3.6	170	A	1.7	148	A	2.	1
281	A	3.5	203	A	3.5	203	A	3.5	203	A	1.8	203	A	1.7	203	A	2.2	203	A	3.2	203	A	3.2	203	A	3.	203	A	2.4	196	A	2.1	2
282	A	3.9	236	A	4.	236	A	4.	236	A	2.5	236	A	2.4	236	A	3.3	236	A	4.6	236	A	4.7	236	A	4.2	236	A	2.2	215	A	2.9	2
283	B	7.2	533	B	7.2	533	B	7.1	533	B	6.8	533	B	6.8	539	B	6.9	539	B	6.7	539	C	27.2	2054	C	28.7	2005	A	2.1	200	B	12.3	5
284	A	7.4	692	A	7.4	692	A	7.4	692	A	7.	692	A	7.	698	A	7.2	696	A	7.	698	C	26.4	2209	C	27.6	2160	A	3.8	303	A	6.7	6
285	A	7.2	840	A	7.2	840	A	7.1	840	A	7.2	840	A	7.1	846	A	7.4	846	A	7.2	846	C	10.8	2357	C	12.2	2308	A	6.3	428	A	6.9	8
286	A	7.3	857	A	7.3	857	A	7.3	857	A	7.3	857	A	7.2	863	A	7.6	865	A	7.3	863	C	10.9	2374	C	7.2	2325	A	5.9	432	A	7.	8
287	A	14.4	429	A	14.6	429	A	14.5	429	A	18.1	429	A	18.2	429	A	18.7	429	A	22.	429	A	22.1	429	A	21.2	426	C	6.3	1262	A	19.8	4
288	B	18.3	1166	B	18.7	1166	B	18.4	1166	B	18.6	1166	B	18.4	1178	B	18.9	1178	B	20.3	1178	C	32.6	66440	C	32.4	66440	C	6.4	1211	B	18.9	1
289	B	23.1	3967	B	23.3	3967	B	23.	3967	B	25.9	3967	B	25.7	3979	B	26.4	3979	B	29.	3979	C	33.1	37977	C	32.9	37977	C	6.8	1355	B	27.4	4
290	B	23.3	6694	B	23.7	6694	B	23.6	6694	B	26.2	6694	B	25.8	6720	B	26.6	6720	A	21.2	1021	C	32.9	40104	C	32.7	40104	C	6.7	1283	B	27.	6
291	B	24.2	4240	B	24.5	4240	B	24.3	4240	B	26.1	4240	B	25.8	4880	B	26.5	4880	A	21.3	640	C	33.1	69145	C	32.9	69145	C	6.7	1252	B	27.1	4
292	A	16.1	491	A	16.1	491	A	15.9	491	B	23.5	3164	B	23.5	3164	B	24.8	3164	B	26.9	3164	B	27.3	3164	B	26.7	3164	C	6.5	1353	B	25.2	3
293	A	18.6	558	A	19.2	558	A	18.8	558	B	26.5	3767	B	25.8	3767	B	27.7	3767	B	29.5	3767	A	22.	664	B	29.	3767	C	6.9	1421	B	27.2	3
294	B	15.7	1155	B	15.4	1155	B	15.1	1155	B	19.1	1155	B	19.2	1163	B	20.1	1163	B	20.5	1163	C	32.6	50114	C	32.4	50114	C	6.4	1234	B	18.9	1
295	B	15.8	1576	B	15.9	1576	B	15.7	1576	B	20.	1576	B	19.8	1588	B	21.	1588	B	22.1	1588	C	33.5	85350	C	33.2	85350	C	6.7	1388	B	20.2	1
296	A	1.9	109	A	2.1	109	A	2.	109	A	0.8	109	A	0.7	109	A	1.	109	A	1.2	109	A	1.2	109	A	0.9	109	A	0.7	90	A	0.8	1
297	A	13.7	255	A	13.8	255	A	13.8	255	A	4.9	255	A	4.7	255	A	6.6	255	A	6.9	334	A	7.	334	A	6.9	334	A	3.8	227	A	6.6	2
298	A	5.7	355	A	5.7	355	A	5.5	355	A	4.1	355	A	4.	355	A	6.8	446	A	6.7	446	A	6.7	446	A	5.	351	A	3.7	339	A	3.5	3
299	A	4.4	267	A	4.6	267	A	4.3	267	A	4.3	267	A	4.2	273	A	5.8	273	A	6.5	273	C	25.9	2111	C	27.1	2062	A	3.6	256	B	18.1	6
300	A	2.1	276	A	2.2	276	A	1.9	276	A	2.1	276	A	2.1	282	A	2.6	282	A	2.9	282	C	26.	2018	C	27.3	1969	A	1.8	177	A	9.	2
301	A	8.9	717	A	8.9	717	A	8.5	717	A	7.1	717	A	7.	723	A	7.5	723	A	7.1	723	C	10.6	2234	C	12.1	2185	A	4.7	355	A	6.8	7
302	A	10.8	601	A	11.4	601	A	11.2	601	A	16.9	601	A	15.9	603	B	28.1	4762	A	22.	794	A	22.6	794	A	21.8	814	C	6.6	1317	A	17.4	8

Table 85 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size			
303	B	28.2	5243	B	28.5	5243	B	28.4	5243	A	22.2	959	A	21.9	959	A	23.7	959	A	25.2	959	A	25.8	959	A	24.5	959	C	7.6	1728	A	22.6	9
304	B	31.4	5541	B	31.7	5541	B	31.5	5541	B	26.3	5541	B	25.9	5555	B	26.8	5555	B	29.4	5555	B	29.8	5555	A	22.3	778	C	6.6	1348	A	20.5	7
305	A	12.8	326	A	13.3	326	A	13.1	326	B	20.6	2616	B	21.9	2616	B	23.2	2616	B	25.4	2616	B	25.7	2616	B	25.1	2616	C	6.5	1226	B	23.6	2
306	A	15.	621	A	15.	621	A	14.8	621	A	17.3	621	A	17.8	625	A	19.	625	A	18.6	625	C	32.2	26504	C	32.	26504	C	21.2	1169	A	17.3	6
307	B	19.2	1667	B	19.1	1667	B	19.	1667	B	20.6	1667	B	21.4	1683	B	22.5	1683	B	22.1	1683	C	33.3	91050	C	33.	91050	C	6.5	1256	B	20.2	1
308	B	22.9	3853	B	23.1	3853	B	22.8	3853	B	26.7	3853	B	26.6	3853	B	27.4	3853	A	22.2	737	A	22.5	737	A	22.	737	C	6.8	1511	B	27.8	3

## 2.84 4\_Trig\_functions\4.1bCosine\4.1.7(dtrig)^m(a+b(ccos)^n)^p

Table 86: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
1	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A
2	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A
3	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A
4	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A
5	B 0.5 140	B 0.4 140	B 0.4 140	B 0.6 140	B 0.6 140	B 0.9 140	B 0.9 140	B 1.2 140	A 0.8 106	A 0.9 106	A 0.7 106	A
6	B 0.9 204	B 0.9 204	B 0.9 204	B 1.5 204	B 1.4 204	B 2.7 204	B 3.7 204	B 4. 204	A 1. 157	A 1. 157	A 0.8 157	A
7	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 59	A 0.1 59	A 0.1 59	A
8	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A
9	A 0.4 29	A 0.4 29	A 0.4 29	A 0.1 29	A 0.1 29	A 0.1 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A
10	A 0.3 55	A 0.3 55	A 0.3 55	A 0.2 55	A 0.1 55	A 0.2 55	A 0.2 55	A 0.2 55	A 0.2 66	A 0.2 66	A 0.2 66	A
11	A 5.4 106	A 5.4 106	A 5.4 106	A 0.7 106	A 0.7 106	A 0.8 106	A 0.9 106	A 0.9 106	A 0.8 106	A 0.9 106	A 0.8 106	A
12	A 0.1 15	A 0.1 15	A 0.1 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A
13	A 0.3 123	A 0.3 123	A 0.3 123	A 0.5 123	A 0.5 123	A 0.5 123	A 0.8 123	A 0.8 123	A 0.8 123	A 0.7 123	A 0.7 123	A
14	C 2.5 121	C 2.6 121	C 2.6 121	C 0.2 121	C 0.2 121	C 0.2 121	C 0.2 121	C 0.3 121	C 0.2 121	C 0.2 121	C 0.2 121	C
15	C 5. 45	C 5. 45	C 5. 45	C 0.1 45	C 0.1 45	C 0.1 45	C 0. 45	C 0. 45	C 0. 45	C 0. 45	C 0. 45	C
16	C 3.3 172	C 3.2 172	C 3.2 172	C 0.2 172	C 0.2 172	C 0.3 172	C 0.1 172	C 0.1 172	C 0.1 172	C 0.1 172	C 0.1 172	C
17	A 0. 17	A 0. 17	A 0. 17	B 0. 47	B 0. 47	B 0. 47	B 0. 47	B 0. 47	B 0. 47	B 0. 47	B 0. 47	B
18	C 0.2 217	C 0.2 217	C 0.2 217	C 0.3 217	C 0.3 217	C 0.3 217	C 0.4 217	C 0.4 217	C 0.3 218	C 0.3 218	C 0.3 218	C
19	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	C 31.3 47997	C 31.3 47997	C 31.2 47997	C 31.1 47997	C 31.1 47997	C
20	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0.2 29	A 0.2 29	A 0.2 29	A 0.1 29	A 0.1 29	A

## 2.85 4\_Trig\_functions\4.1bCosine\4.1.8(a+bcos)^m(c+dtrig)^n

Table 87: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56
2	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55
3	A 1.8 135	A 1.8 135	A 1.8 135	A 0.9 135	A 0.9 135	A 1. 135	A 1.2 135	A 1.2 135	A 1.1 135	A 1.1 135	A 1.1 135	A 1. 135	A 1. 135
4	A 2.8 319	A 2.8 319	A 2.6 319	A 2.5 319	A 2.4 319	A 2.8 319	A 3. 319	A 3.1 319	A 3. 319	A 3.2 319	A 3.5 331	A 3.8 327	A 3.8 327
5	A 1.2 302	A 1.2 302	A 1.2 302	A 1.2 302	A 1.2 302	A 1.7 302	A 2.1 302	A 2.2 302	A 2.1 302	A 1.6 302	A 2.2 305	A 1.4 302	A 1.4 302

2.86 4\_Trig\_functions\4.1bCosine\4.1.9trig<sup>m</sup>(a+bcos<sup>n</sup>+ccos<sup>(2n)</sup>)<sup>p</sup>

Table 88: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
1	A 0.4 239	A 0.4 239	A 0.5 239	A 0.6 239	A 0.5 239	A 0.7 239	A 0.8 239	A 0.9 239	A 0.8 239	A 1.9 239	A 1. 196	A 0.6 239	A
2	C 1.5 392	C 1.6 392	C 1.6 392	C 2.4 392	C 2.2 392	C 2.6 392	C 3.6 392	C 3.7 392	C 3.5 392	A 7.9 314	A 2.6 255	A 2.6 314	A
3	A 0.7 335	A 0.7 335	A 0.7 335	A 1.1 335	A 1. 335	A 1.2 335	A 1.7 335	A 1.7 335	A 1.6 340	A 1.6 340	A 1.5 340	A 1.3 340	A
4	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0.1 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A
5	A 3.3 446	A 3.5 446	A 3.4 446	A 3.1 446	A 3. 446	A 3.7 446	A 4.9 446	A 5.1 446	A 4.7 451	A 5.1 451	A 4. 451	A 3.9 451	A



## 2.87 4\_Trig\_functions\4.2aTangent\4.2.0(atrg)^m(btan)^n

Table 89: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	grad
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A
2	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A
3	A 0. 41	A 0. 41	A 0. 37	A 0.1 37	A 0. 37	A 0.1 37	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A
4	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A
5	A 0.2 160	A 0.2 160	A 0.2 160	A 0.3 159	A 0.3 159	A 0.3 159	A 0.5 159	A 0.5 159	A 0.5 159	A 0.5 159	A 0.4 159	A
6	A 0. 32	A 0. 32	A 0. 32	A 0.1 32	A 0. 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A
7	A 0. 31	A 0. 31	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A
8	A 0.1 58	A 0.1 58	A 0.2 66	A 0.3 68	A 0.3 68	A 0.3 68	A 0.2 58	A 0.2 58	A 0.2 58	A 0.2 58	A 0.2 58	A
9	A 0.1 162	A 0.1 162	A 0.1 162	A 0.3 161	A 0.2 161	A 0.3 161	A 0.4 161	A 0.4 161	A 0.4 161	A 0.4 186	A 0.3 161	A
10	A 0.4 139	A 0.4 139	A 0.4 139	C 0.1 45	C 0.1 45	C 0.1 45	A 3.7 222	A 4. 222	A 3.2 222	A 1.7 201	A 0.8 219	A
11	A 0.5 86	A 0.5 86	A 0.5 86	A 0.8 86	A 0.7 86	A 1. 86	A 0.8 85	A 0.8 85	A 0.7 85	A 0.8 85	A 0.8 95	A
12	A 0.1 51	A 0.1 51	A 0.1 51	A 0. 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A
13	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0. 56	A 0.1 56	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A
14	A 0.4 104	A 0.4 104	A 0.4 104	A 0.2 104	A 0.2 104	A 0.2 104	A 0.3 104	A 0.3 104	A 0.3 104	A 0.3 104	A 0.8 104	A
15	C 0.4 57	C 3.6 57	C 3.4 57	C 1.1 57	C 1. 57	C 1.2 57	C 1.7 85	C 1.7 85	C 1.6 85	C 1.8 85	C 0.1 53	C
16	C 1. 115	C 10.9 115	C 10.9 115	C 0.6 115	C 0.6 115	C 0.7 115	C 1. 115	C 1. 115	C 0.9 115	C 2.3 101	C 0.4 96	C
17	A 0.6 123	A 0.6 123	A 0.6 123	A 0.8 123	A 0.7 123	A 3.2 123	A 4.3 123	A 1.3 123	A 1.2 123	A 1.2 123	A 0.9 125	A
18	C 2.4 153	C 2.5 153	C 2.5 153	C 3.4 153	C 3.3 153	C 3.9 153	C 5.5 153	C 5.8 153	C 5.1 153	C 3.3 140	C 0.7 211	C
19	C 0.5 71	C 0.5 71	C 0.5 71	C 0.4 71	C 0.4 71	C 0.5 71	C 2.4 87	C 2.5 87	C 2.3 87	C 2.1 85	C 0.4 86	C
20	C 0.5 71	C 0.6 71	C 0.5 71	C 0.4 71	C 0.3 71	C 0.4 71	C 2.3 88	C 2.4 88	C 2.2 88	C 1.9 88	C 0.3 89	C
21	A 0.3 20	A 0.3 20	A 0.3 20	A 0.1 20	A 0.1 20	A 0.1 20	A 0.1 20	A 0.1 20	A 0.1 20	A 0.1 20	A 0.1 20	A
22	A 0.3 54	A 0.4 54	A 0.3 54	A 0.1 54	A 0.1 54	A 0.2 54	A 0.2 54	A 0.2 54	A 0.2 54	A 0.2 54	A 0.2 54	A
23	C 1.7 122	C 5. 122	C 4.9 122	C 1.6 122	C 1.6 122	C 2. 122	C 7.4 174	C 7.7 174	C 8.1 206	C 9.2 166	C 0.6 96	C
24	C 0.8 116	C 0.9 116	C 0.8 116	C 0.8 116	C 0.8 116	C 0.9 116	C 8.3 204	C 8.4 204	C 8.2 204	C 8.5 164	C 1.2 121	C
25	A 0.6 51	A 0.6 51	A 0.6 51	A 0.2 51	A 0.2 51	A 0.2 51	A 0.3 51	A 0.3 51	A 0.3 51	A 0.3 51	A 0.2 51	A
26	C 5.7 99	C 5.4 99	C 5.1 99	C 0.3 99	C 0.3 99	C 0.4 99	C 0.5 99	C 0.5 99	C 0.5 99	C 0.5 99	A 0.5 76	A
27	A 1. 57	A 1. 57	A 1. 57	A 0.3 57	A 0.2 57	A 0.3 57	A 0.4 57	A 0.4 57	A 0.4 57	A 0.3 57	A 0.3 57	A
28	A 7.1 118	A 6.5 118	A 6.1 118	A 0.8 118	A 0.7 118	A 0.9 118	C 1. 106	C 1.1 106	C 0.9 105	C 0.9 105	A 0.7 91	A
29	A 0.4 79	A 0.5 79	A 0.4 79	A 0.2 79	A 0.2 79	A 0.3 79	C 0.3 89	C 0.3 89	C 0.3 89	C 0.3 89	A 0.2 71	A
30	A 0.6 69	A 10.7 69	A 10.6 69	A 0.4 69	A 0.4 69	A 0.4 69	A 0.6 69	A 0.6 69	A 0.5 69	A 1.7 69	A 0.5 69	A

Table 89 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grad
31	A	0.7	69	A	10.8	69	A	10.7	69	A	0.5	69	A	0.5	69	A	0.7	69	A	6.4	69	A	5.2	69	A	4.8	69	A	5.9	69	A	0.7	69	A
32	A	0.7	65	A	10.8	65	A	10.7	65	A	0.4	65	A	0.4	65	A	0.5	65	A	0.7	65	A	0.7	65	A	0.6	65	A	1.	65	A	0.6	65	A
33	A	0.6	66	A	10.6	66	A	10.6	66	A	0.3	66	A	0.3	66	A	0.4	66	A	0.6	70	A	0.6	70	A	0.6	70	A	1.	70	A	0.5	70	A
34	A	1.	121	A	31.1	121	A	31.	121	A	0.4	64	A	0.4	64	A	0.6	64	A	0.6	68	A	0.6	68	A	0.6	68	A	1.1	68	A	0.5	68	A
35	A	0.8	67	A	10.9	67	A	10.8	67	A	0.8	67	A	0.8	67	A	0.9	67	A	1.1	67	A	1.2	67	A	1.1	67	A	1.2	67	A	1.	103	A
36	A	0.	37	A	0.	37	A	0.	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.2	34	A	0.2	34	A	0.1	34	A	0.1	34	A	0.1	34	A
37	A	0.6	87	A	0.6	87	A	0.6	87	A	3.1	87	A	2.9	87	A	4.7	87	A	25.8	87	A	5.	87	A	4.7	87	A	4.8	87	A	0.3	79	A
38	C	37.4	297	C	32.4	297	C	32.3	297	C	2.7	297	C	2.6	297	A	13.3	155	A	13.7	155	C	4.8	297	C	4.4	297	C	5.5	297	A	0.3	88	A
39	A	16.	89	A	11.4	89	A	11.3	89	A	1.4	89	A	1.3	89	A	8.3	89	A	9.2	89	A	2.2	89	A	2.	89	A	2.1	89	A	0.2	96	A
40	A	0.2	164	A	0.2	164	A	0.2	164	A	0.3	162	A	0.3	162	A	0.4	162	A	0.6	162	A	0.6	162	A	0.6	162	A	0.5	162	A	0.5	162	A
41	A	0.2	82	A	0.2	82	A	0.2	82	C	0.1	38	C	0.1	38	C	0.1	38	A	0.6	181	A	0.6	181	A	0.6	181	A	0.5	181	A	0.5	181	A
42	A	0.2	94	A	0.2	94	A	0.2	94	C	0.1	40	C	0.1	40	C	0.1	40	A	0.8	189	A	0.8	189	A	0.7	189	A	0.7	189	A	0.5	189	A
43	A	0.1	74	A	0.1	74	A	0.1	74	C	0.	40	C	0.	40	C	0.1	40	A	0.2	134	A	0.1	134	A	0.1	134	A	0.1	134	A	0.1	134	A
44	A	0.2	100	A	0.2	100	A	0.2	100	C	0.1	47	C	0.1	47	C	0.1	47	A	0.6	160	A	0.6	160	A	0.6	160	A	0.5	160	A	0.4	160	A
45	A	0.1	97	A	0.2	97	A	0.1	97	C	0.2	38	C	0.2	38	C	0.2	38	A	0.7	192	A	0.7	192	A	0.7	192	A	0.3	192	A	0.4	192	A
46	A	0.1	134	A	0.1	134	A	0.1	134	A	0.1	134	A	0.1	134	A	0.2	134	A	0.2	134	A	0.2	134	A	0.2	134	A	0.1	134	A	0.1	134	A
47	A	0.1	161	A	0.1	161	A	0.1	161	A	0.2	159	A	0.2	159	A	0.2	159	A	0.4	159	A	0.4	159	A	0.3	159	A	0.2	159	A	0.2	159	A
48	A	0.1	62	A	0.1	62	A	0.1	62	A	0.1	62	A	0.1	62	A	0.1	62	C	19.7	2965	C	6.2	571	C	5.7	533	C	5.4	533	C	4.3	533	C
49	A	0.3	52	A	0.4	52	A	0.3	52	A	0.2	52	A	0.2	52	A	0.2	52	A	0.3	52	A	0.3	52	A	0.3	52	A	0.3	52	A	0.2	52	A
50	A	0.3	34	A	0.3	34	A	0.2	34	A	0.2	34	A	0.1	34	A	0.2	34	A	0.2	34	A	0.2	34	A	0.2	34	A	0.2	34	A	0.2	34	A
51	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.1	22	A	0.1	22	A	0.1	22	A	0.1	22	A	0.1	22	A
52	C	0.8	86	C	0.8	86	C	0.8	86	C	0.8	86	C	0.9	86	C	1.	86	C	4.4	166	C	4.5	166	C	4.1	166	C	5.1	166	C	0.5	88	C
53	A	0.3	52	A	0.3	52	A	0.3	52	A	0.2	52	A	0.1	52	A	0.2	52	A	0.2	52	A	0.2	52	A	0.2	52	A	0.2	52	A	0.1	52	A
54	A	0.5	125	A	0.4	125	A	0.4	125	A	0.2	125	A	0.2	125	A	0.3	125	A	0.4	125	A	0.4	125	A	0.4	125	A	0.3	125	A	0.7	125	A
55	A	0.4	32	A	0.4	32	A	0.4	32	A	0.1	32	A	0.1	32	A	0.4	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A
56	C	0.4	69	C	0.4	69	C	0.4	69	C	0.5	69	C	0.5	69	C	0.6	69	C	3.5	135	C	3.5	135	C	3.2	135	C	3.6	135	C	0.2	80	C
57	C	1.8	103	C	1.9	103	C	1.6	103	C	1.6	103	C	1.6	103	C	3.	103	C	6.9	153	C	6.4	153	C	6.	153	C	5.4	153	C	0.6	105	C
58	A	0.7	78	A	0.8	78	A	0.8	78	A	0.9	78	A	0.9	78	A	1.2	78	A	1.5	78	A	1.5	78	A	1.2	97	A	0.4	97	A	0.5	93	A
59	A	0.1	57	A	0.1	57	A	0.1	57	A	0.3	80	A	0.3	80	A	0.5	80	A	0.6	80	A	0.5	80	A	0.5	80	A	0.4	80	A	0.4	80	A
60	A	0.1	55	A	0.1	55	A	0.1	55	A	0.3	80	A	0.3	80	A	0.4	80	A	0.4	80	A	0.4	80	A	0.4	80	A	0.4	80	A	0.4	80	A
61	A	0.1	55	A	0.1	55	A	0.1	55	A	0.2	80	A	0.2	80	A	0.3	80	A	0.3	80	A	0.3	80	A	0.3	80	A	0.3	80	A	0.3	80	A
62	A	0.2	58	A	0.2	58	A	0.2	58	A	1.2	92	A	1.2	92	A	1.4	92	A	2.	92	A	2.	92	A	1.8	92	A	1.6	92	A	1.7	111	A
63	A	0.8	131	A	0.8	131	A	0.8	131	A	2.	174	A	2.	174	A	9.	174	A	10.5	174	C	1.8	77	C	1.7	77	C	1.8	77	C	0.3	87	C
64	C	0.5	73	C	10.5	73	C	10.5	73	C	1.	71	C	1.	71	C	1.2	71	C	1.9	64	C	1.7	64	C	1.7	64	C	4.7	64	A	0.7	72	A

Table 89 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8				
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grad	
65	A	0.7	53	A	0.7	53	A	0.7	53	A	0.2	53	A	0.2	53	A	0.2	53	A	0.2	53	A	0.3	53	A	0.2	53	A	0.2	53	A	0.2	53	A	A
66	A	0.7	130	A	0.9	130	A	0.9	130	A	6.5	129	A	6.5	129	A	7.7	129	C	7.9	81	C	1.6	81	C	1.4	81	C	1.4	81	C	0.6	119	C	C
67	A	0.9	43	A	0.9	43	A	0.8	43	B	1.4	141	B	1.4	141	B	1.7	141	B	2.2	141	B	2.2	141	B	2.	141	B	4.2	137	A	0.4	43	A	A
68	A	0.8	45	A	0.8	45	A	0.7	45	A	0.2	45	A	0.2	45	A	0.2	45	A	0.3	45	A	0.3	45	A	0.2	45	A	0.2	45	A	0.2	45	A	A
69	A	0.7	99	A	0.7	99	A	0.7	99	A	3.8	105	A	3.9	105	A	7.5	105	C	7.5	66	C	4.9	66	C	4.5	66	C	4.6	66	C	0.3	89	C	C
70	A	0.6	52	A	0.7	52	A	0.7	52	A	0.2	52	A	0.2	52	A	0.2	52	A	0.2	52	A	0.3	52	A	0.3	52	A	0.2	52	A	0.2	52	A	A
71	C	0.9	89	C	0.9	89	C	0.8	89	C	0.7	81	C	0.7	81	C	0.9	81	C	2.4	91	C	2.3	91	C	2.1	91	C	3.4	91	A	0.3	80	A	A
72	A	1.1	65	A	1.1	65	A	1.	65	A	3.3	159	A	3.3	159	A	3.6	159	A	5.3	159	A	5.4	159	A	6.7	169	A	6.7	169	A	0.8	59	A	A
73	A	0.1	39	A	0.1	39	A	0.1	39	C	12.3	815	C	17.8	3020	C	26.3	8760	C	27.	8760	C	21.3	3020	C	20.6	3020	C	22.1	3020	A	0.1	61	A	A
74	A	0.2	61	A	0.2	61	A	0.2	61	A	0.3	110	C	29.8	10908	C	30.2	10908	C	32.	12350	C	13.9	1196	C	13.3	1196	C	12.2	1196	A	0.2	75	A	A
75	A	1.5	101	A	1.5	101	A	1.5	101	A	2.2	101	A	2.1	101	A	2.3	101	A	0.3	72	A	0.3	72	A	0.3	72	A	0.3	72	A	0.2	72	A	A
76	B	1.1	186	B	1.1	186	B	1.1	186	B	1.3	186	B	1.1	186	B	1.4	186	B	1.9	186	B	1.9	186	B	1.7	186	B	1.7	186	A	0.2	69	A	A
77	A	1.1	87	A	0.9	87	A	0.8	87	A	3.8	87	A	3.6	87	A	15.6	87	A	17.8	149	A	7.4	149	A	4.8	149	A	5.3	149	A	0.3	80	A	A
78	C	6.5	287	C	2.	287	C	1.8	287	C	2.1	287	C	2.	287	C	16.1	2348	C	17.3	2348	C	3.4	287	C	2.9	287	C	2.9	287	A	0.3	96	A	A

## 2.88 4\_Trig\_functions\4.2aTangent\4.2.10(c+dx)^m(a+btan)^n

Table 90: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 106	A 0. 106	A 0. 106	A 0. 106	A 0. 106	A 0. 106	A 0.6 102	A 0.6 102	A 0.6 102	A 0.5 102	A 0.5 102	A 0.5 102
2	A 0.1 43	A 0.2 43	A 0.2 43	A 0.2 43	A 0.2 43	A 0.2 43	A 0.2 43	A 0.3 43	A 0.2 43	A 0.2 43	A 0.2 43	A 0.2 43
3	A 0.8 17	A 0.8 17	A 0.8 17	A 0.6 17	A 0.6 17	A 0.6 17	A 0.4 17	A 0.4 17	A 0.3 17	A 0.3 17	A 0.3 17	A 0.3 17
4	A 0.7 278	A 0.7 278	A 0.7 278	A 0.7 278	A 0.7 278	A 0.8 278	A 0.5 278	A 0.5 278	A 0.6 278	A 0.5 278	A 0.5 278	A 0.5 278
5	A 0.4 178	A 0.4 178	A 0.4 178	A 0.4 178	A 0.4 178	A 0.5 178	A 0.4 178	A 0.4 178	A 0.4 177	A 0.3 195	A 0.3 195	A 0.3 195
6	A 1.5 282	A 1.6 282	A 1.5 282	A 1. 282	A 1. 282	A 1.2 282	A 0.6 282	A 0.6 282	A 0.5 282	A 0.7 233	A 0.7 233	A 0.7 233
7	A 1.5 467	A 1.6 467	A 1.6 467	A 1.6 467	A 1.7 467	A 2. 467	A 2.3 467	A 2.4 467	A 2.1 467	A 1.6 467	A 1.5 467	A 1.5 467
8	A 3.1 667	A 3.3 667	A 3.2 667	A 2.9 667	A 2.7 667	B 7.4 1108	A 6. 667	B 6.3 1108	A 5.4 667	A 2.2 667	A 2.3 667	A 2.3 667
9	A 2.2 405	A 2.2 405	A 2.1 405	A 1.8 405	A 1.8 405	A 2.9 405	A 3.2 405	A 3.2 405	A 2.7 405	A 1.2 463	A 1. 463	A 1. 463
10	A 2.6 833	A 2.8 833	A 2.6 833	A 3.2 833	A 3.2 833	A 6.7 1272	A 6.5 1272	A 6.5 1272	A 6.4 1272	A 3.6 833	A 3.3 833	A 3.3 833
11	B 7. 649	B 7. 649	B 7. 649	B 7.6 649	B 7.6 649	B 7.8 649	B 7.5 656	B 7.5 656	B 7.4 656	B 7.2 656	B 7.1 656	B 7.1 656
12	B 9.4 1724	B 9.4 1724	B 9.4 1724	B 11. 1673	B 10.6 1673	B 11.4 1673	B 19. 3797	B 16.9 2713	B 14.8 2689	B 12. 3107	F 0 0	F 0 0
13	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

## 2.89 4\_Trig\_functions\4.2aTangent\4.2.11(ex)^m(a+btan(c+dx^n))^p

Table 91: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0.1 73	B 6.1 199	B 6.1 199	B 4.8 199	B 3.4 199	B 4.4 199	B 4. 73
2	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
3	C 0.1 75	C 0.2 75	C 0.2 75	C 0.2 75	C 0.2 75	C 0.3 75	A 0.5 50	A 0.5 50	A 0.4 50	A 0.2 50	A 0.2 50	A 0. 75
4	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
5	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
6	A 0.1 261	A 0.1 261	A 0.1 261	A 0.1 261	A 0.1 261	A 0.1 261	A 1. 276	A 0.9 276	A 0.8 292	A 0.8 292	F 0 0	F 0 0
7	A 3.6 737	A 3.6 737	A 3.5 737	A 4.7 500	A 4.7 500	A 5. 500	A 4. 511	A 3.5 511	A 3.8 493	A 3.4 493	F 0 0	F 0 0
8	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
9	A 1.1 308	A 1.3 308	A 1.2 308	A 1.7 308	A 1.5 308	A 1.8 308	A 2.2 303	A 2.1 303	A 1.7 303	A 1.4 303	F 0 0	F 0 0
10	A 0.1 397	A 0.1 397	A 0.1 397	A 0.1 397	A 0.1 397	A 0.1 397	A 1.3 397	A 1.2 397	A 0.8 415	A 0.8 415	F 0 0	F 0 0
11	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
12	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
13	A 9.9 1257	A 11. 1257	A 5. 1422	A 7.7 1421	A 7.2 1421	A 9.5 1421	A 11. 1244	A 11.1 1244	A 11.2 1244	A 9.4 1244	F 0 0	F 0 0
14	A 2.7 538	A 2.9 538	A 2.7 538	A 3.9 538	A 3.5 538	A 5. 538	A 5.1 356	A 4.9 356	A 4.6 356	A 4. 356	F 0 0	F 0 0
15	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

## 2.90 4\_Trig\_functions\4.2aTangent\4.2.1.2(dsec)^m(a+btan)^n

Table 92: Breakdown of results for each integral

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			grade
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	
1	A	0.3	79	A	0.3	79	A	0.3	79	A	0.4	79	A	0.4	79	A	0.5	79	A	0.	121	A	0.	121	A	0.	121	A	0.	121	A
2	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A
3	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	A	0.	54	B	0.6	145	B	0.6	145	B	0.6	145	B	0.6	145	B
4	A	0.1	50	A	0.1	50	A	0.1	50	B	0.6	68	B	0.5	68	B	0.6	68	B	0.4	68	B	0.3	68	B	0.3	68	B	0.3	68	B
5	A	0.1	85	A	0.1	85	A	0.1	85	A	0.6	111	A	0.5	111	A	0.7	111	A	0.4	111	A	0.4	111	A	0.4	111	A	0.3	111	A
6	A	0.3	104	A	0.3	104	A	0.3	104	A	1.4	133	A	1.3	133	A	1.6	133	A	0.6	133	A	0.6	133	A	0.6	133	A	0.5	133	A
7	A	0.6	79	A	0.6	79	A	0.6	79	A	2.2	117	A	2.	117	A	2.8	117	A	0.7	117	A	0.7	117	A	0.7	117	A	0.6	117	A
8	A	0.1	40	A	0.1	40	A	0.1	40	B	0.5	99	B	0.4	99	B	0.6	99	B	0.3	99	B	0.3	99	B	0.3	99	B	0.3	99	B
9	A	0.2	65	A	0.3	65	A	0.3	65	A	0.8	109	A	0.7	109	A	1.1	109	A	0.5	109	A	0.5	109	A	0.4	109	A	0.4	109	A
10	A	0.9	226	A	0.9	226	A	0.9	226	A	0.9	116	A	0.8	116	A	1.3	116	A	0.7	116	A	0.7	116	A	0.7	116	A	0.6	116	A
11	A	1.2	237	A	1.4	237	A	1.5	237	A	1.6	237	A	1.5	237	A	2.6	237	A	1.6	237	A	1.7	237	A	1.6	237	A	1.6	256	A
12	A	0.6	159	A	0.6	159	A	0.6	159	A	3.3	159	A	3.2	159	A	5.	159	A	1.9	159	A	2.	159	A	1.8	159	A	1.7	159	A
13	A	1.7	115	A	2.	115	A	2.	115	A	1.4	115	A	1.3	115	A	2.1	115	A	1.	115	A	1.1	115	A	1.	115	A	0.9	115	A
14	A	0.3	31	A	0.4	31	A	0.4	31	A	0.2	31	A	0.2	31	A	0.2	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	37	A
15	A	1.	170	A	1.	170	A	1.	170	A	1.6	118	A	1.5	118	A	2.3	118	A	1.5	118	A	1.5	118	A	1.4	118	A	1.2	118	A
16	A	0.9	96	A	0.9	96	A	0.9	96	B	7.2	321	B	7.1	321	B	8.3	912	B	6.3	912	B	6.3	912	B	6.3	912	B	6.3	912	B
17	A	0.8	77	A	0.8	77	A	0.8	77	B	2.8	414	B	2.7	414	B	4.3	414	B	2.4	414	B	2.5	414	B	2.3	414	B	1.9	414	B
18	A	0.2	46	A	0.2	46	A	0.2	46	A	0.4	60	A	0.4	60	A	0.6	60	A	0.3	60	A	0.3	60	A	0.3	60	A	0.3	60	A
19	A	0.1	34	A	0.1	34	A	0.1	34	A	0.2	35	A	0.2	35	A	0.3	35	A	0.2	35	A	0.2	35	A	0.2	35	A	0.2	35	A
20	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A
21	A	0.3	50	A	0.3	50	A	0.3	50	A	0.1	50	A	0.1	50	A	0.2	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A
22	A	0.1	50	A	0.1	50	A	0.1	50	A	0.5	77	A	0.4	77	A	0.6	77	A	0.6	77	A	0.6	77	A	0.5	77	A	0.5	77	A
23	A	0.1	52	A	0.1	52	A	0.1	52	A	0.2	68	A	0.2	68	A	0.5	68	A	0.2	68	A	0.3	68	A	0.2	68	A	0.2	68	A
24	A	0.3	142	A	0.3	142	A	0.3	142	A	0.4	120	A	0.3	120	A	0.6	120	A	0.4	120	A	0.5	120	A	0.4	120	A	0.3	120	A
25	A	0.7	146	A	0.7	146	A	0.7	146	A	0.5	146	A	0.5	146	A	0.6	146	A	0.6	146	A	0.6	146	A	0.5	146	A	0.5	146	A
26	A	0.3	56	A	0.3	56	A	0.3	56	A	1.1	117	A	1.	117	A	1.3	117	A	0.9	117	A	0.9	117	A	0.8	117	A	0.7	117	A
27	A	0.1	48	A	0.1	48	A	0.1	48	A	0.5	113	A	0.5	113	A	0.6	113	A	0.6	113	A	0.6	113	A	0.6	113	A	0.5	113	A
28	A	0.6	108	A	0.7	108	A	0.7	108	A	0.4	108	A	0.3	108	A	0.6	108	A	0.5	108	A	0.5	108	A	0.4	108	A	0.4	108	A
29	A	0.2	44	A	0.2	44	A	0.2	44	A	0.9	136	A	0.8	136	A	1.	136	A	0.7	136	A	0.7	136	A	0.7	136	A	0.6	136	A
30	A	0.1	34	A	0.2	34	A	0.2	34	B	0.6	127	B	0.5	127	B	0.7	127	B	0.5	127	B	0.5	127	B	0.5	127	B	0.4	127	B

Table 92 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			grade
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	
31	A	0.2	52	A	0.2	52	A	0.2	52	B	0.8	214	B	0.7	214	B	1.1	214	B	1.3	214	B	1.4	214	B	1.2	214	B	0.8	214	B
32	B	0.5	247	B	0.5	247	B	0.5	247	B	0.3	247	B	0.3	247	B	0.5	247	B	0.6	247	B	0.6	247	B	0.5	247	B	0.3	247	B
33	A	0.4	95	A	0.4	95	A	0.4	95	A	0.3	95	A	0.3	95	A	0.4	95	A	0.3	95	A	0.3	95	A	0.3	95	A	0.2	95	A
34	B	6.9	1244	B	7.	1244	B	6.9	1244	B	6.3	1244	B	6.3	1244	B	6.4	1244	B	6.2	1244	B	6.2	1244	B	6.2	1244	B	6.1	1244	B
35	A	0.8	57	A	0.8	57	A	0.8	57	A	0.6	57	A	0.6	57	A	0.8	57	A	0.5	57	A	0.5	57	A	0.5	57	A	0.8	72	A
36	C	1.2	99	C	1.3	99	C	1.2	99	C	1.1	99	C	1.1	99	C	1.4	99	C	1.7	108	C	1.6	108	C	1.5	108	C	1.5	108	C
37	A	1.5	114	A	1.5	114	A	1.5	114	A	0.6	114	A	0.6	114	A	0.8	114	A	0.5	114	A	0.5	114	A	0.5	114	A	0.5	103	A
38	C	1.9	114	C	2.	114	C	1.9	114	C	1.2	114	C	1.2	114	C	1.5	114	C	1.7	110	C	1.6	110	C	1.5	110	C	1.2	110	C
39	A	1.7	133	A	1.8	133	A	1.8	133	A	1.	133	A	1.	133	A	1.4	133	A	1.2	133	A	1.3	133	A	1.1	133	A	1.	133	A
40	A	2.5	89	A	2.6	89	A	2.6	89	A	2.1	89	A	1.9	89	A	2.7	89	A	1.5	89	A	1.5	89	A	1.4	89	A	1.8	89	A
41	C	3.	129	C	3.2	129	C	3.2	129	C	2.9	129	C	2.8	129	C	3.5	129	C	3.2	125	C	3.2	125	C	2.9	125	C	2.9	125	C
42	C	2.2	108	C	2.3	108	C	2.3	108	C	1.6	108	C	1.4	108	C	1.9	108	C	2.1	110	C	2.1	110	C	1.9	110	C	1.7	110	C
43	C	3.6	110	C	3.9	110	C	3.9	110	C	3.1	110	C	2.9	110	C	3.7	110	C	6.9	341	C	6.9	341	C	6.8	341	C	6.6	341	C
44	C	3.9	108	C	4.	108	C	4.	108	C	4.1	108	C	4.	108	C	4.7	108	C	6.9	383	C	6.9	383	C	6.8	383	C	6.6	383	C
45	C	4.5	136	C	8.1	121	C	8.	121	C	7.3	450	C	7.3	450	C	7.6	450	C	7.2	435	C	7.2	435	C	7.	435	C	6.8	435	C
46	C	1.7	102	C	1.8	102	C	1.7	102	C	1.1	102	C	1.	102	C	1.3	102	C	1.2	101	C	1.1	101	C	1.	101	C	0.9	101	C
47	A	1.2	49	A	1.3	49	A	1.3	49	A	0.4	49	A	0.4	49	A	0.5	49	A	0.3	49	A	0.3	49	A	0.3	49	A	0.3	56	A
48	C	1.2	74	C	1.3	74	C	1.2	74	C	0.5	74	C	0.4	74	C	0.6	74	C	0.5	74	C	0.5	74	C	0.4	74	C	0.4	74	C
49	A	1.	83	A	1.	83	A	1.	83	A	0.4	83	A	0.3	83	A	0.4	83	A	0.3	83	A	0.4	83	A	0.3	83	A	0.4	91	A
50	C	2.1	123	C	2.1	123	C	2.1	123	C	1.7	123	C	1.6	123	C	1.9	123	C	1.9	124	C	1.8	124	C	1.6	124	C	1.5	124	C
51	C	2.2	128	C	2.2	128	C	2.2	128	C	1.8	128	C	1.7	128	C	2.	128	C	2.5	128	C	2.4	128	C	2.2	128	C	2.	128	C
52	C	2.	145	C	2.1	145	C	2.1	145	C	1.5	145	C	1.5	145	C	1.8	145	C	2.2	145	C	2.2	145	C	1.9	145	C	1.6	145	C
53	A	0.5	105	A	0.6	105	A	0.6	105	A	0.9	105	A	0.8	105	A	1.	105	A	0.9	105	A	0.8	105	A	0.7	105	A	0.7	105	A
54	A	1.4	84	A	1.5	84	A	1.5	84	A	0.5	84	A	0.5	84	A	0.6	84	A	0.6	97	A	0.6	97	A	0.5	97	A	0.4	97	A
55	A	2.	141	A	2.1	141	A	2.1	141	A	1.6	141	A	1.5	141	A	1.8	141	A	1.9	127	A	1.7	127	A	1.6	127	A	1.4	127	A
56	A	0.2	48	A	0.2	48	A	0.2	48	A	0.4	58	A	0.4	58	A	0.6	65	A	0.3	58	A	0.3	58	A	0.3	58	A	0.3	58	A
57	C	0.1	51	C	0.1	51	C	0.1	51	A	0.5	105	A	0.5	105	A	0.6	105	A	0.6	105	A	0.6	105	A	0.5	105	A	0.5	105	A
58	C	0.2	53	C	0.2	53	C	0.2	53	A	0.7	159	A	0.6	159	A	1.	159	A	0.8	159	A	0.8	159	A	0.6	159	A	0.5	159	A
59	A	0.7	126	A	0.8	126	A	0.8	126	A	0.6	126	A	0.6	126	A	0.8	126	A	0.8	126	A	0.8	126	A	0.7	126	A	0.6	126	A
60	A	0.4	31	A	0.4	31	A	0.4	31	A	0.2	31	A	0.2	31	A	0.3	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A
61	A	0.5	73	A	0.5	73	A	0.5	73	A	1.6	113	A	1.5	113	A	1.9	113	A	1.3	113	A	1.4	113	A	1.3	113	A	1.2	113	A
62	A	0.1	29	A	0.1	29	A	0.1	29	B	0.4	73	B	0.4	73	B	0.6	73	B	0.3	73	B	0.3	73	B	0.3	73	B	0.2	73	B
63	A	0.6	46	A	0.6	46	A	0.6	46	A	0.3	46	A	0.3	46	A	0.5	46	A	0.3	46	A	0.3	46	A	0.3	46	A	0.2	46	A
64	A	0.4	63	A	0.4	63	A	0.4	63	A	1.1	97	A	1.1	97	A	1.6	97	A	0.7	97	A	0.7	97	A	0.6	97	A	0.6	97	A

Table 92 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			grade
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	
65	A	0.2	51	A	0.2	51	A	0.2	51	A	0.8	85	A	0.8	85	A	1.2	85	A	0.6	85	A	0.7	85	A	0.6	85	A	0.6	85	A
66	A	0.8	59	A	0.9	59	A	0.8	59	A	0.5	59	A	0.5	59	A	0.6	59	A	0.5	59	A	0.6	59	A	0.5	59	A	0.4	59	A
67	A	5.6	194	A	5.8	194	A	5.8	194	A	7.2	194	A	7.2	194	A	7.8	575	A	6.5	194	A	6.4	194	A	1.7	214	A	1.7	214	A
68	A	0.3	73	A	0.3	73	A	0.3	73	A	0.7	95	A	0.7	95	A	0.8	95	A	0.5	95	A	0.5	95	A	0.4	95	A	0.4	95	A
69	A	0.2	63	A	0.2	63	A	0.2	63	A	0.4	77	A	0.4	77	A	0.6	77	A	0.3	77	A	0.3	77	A	0.3	77	A	0.2	77	A
70	A	0.1	49	A	0.1	49	A	0.1	49	A	0.3	65	A	0.3	65	A	0.4	65	A	0.2	65	A	0.2	65	A	0.2	65	A	0.1	65	A
71	A	0.1	27	A	0.1	27	A	0.1	27	A	0.2	32	A	0.2	32	A	0.3	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A
72	C	0.1	51	C	0.1	51	C	0.1	51	A	0.7	126	A	0.7	126	A	0.8	126	A	1.	126	A	0.9	126	A	0.8	126	A	0.6	126	A
73	C	0.3	53	C	0.4	53	C	0.3	53	A	1.2	178	A	1.1	178	A	1.4	178	A	1.3	178	A	1.3	178	A	1.1	178	A	0.9	178	A
74	A	0.6	65	A	0.6	65	A	0.6	65	A	0.4	65	A	0.3	65	A	0.5	65	A	0.2	65	A	0.2	65	A	0.2	65	A	0.2	65	A
75	A	0.4	40	A	0.4	40	A	0.4	40	A	0.2	40	A	0.2	40	A	0.3	40	A	0.1	40	A	0.1	40	A	0.1	40	A	0.1	40	A
76	A	0.4	70	A	0.4	70	A	0.4	70	A	0.4	70	A	0.4	70	A	0.5	70	A	0.5	70	A	0.5	70	A	0.4	70	A	0.4	70	A
77	A	0.2	59	A	0.2	59	A	0.2	59	A	0.4	92	A	0.4	92	A	0.6	92	A	0.4	92	A	0.4	92	A	0.4	92	A	0.4	92	A
78	C	0.3	53	C	0.3	53	C	0.3	53	A	1.3	168	A	1.2	168	A	1.7	168	A	1.8	168	A	1.7	168	A	1.5	168	A	2.	168	A
79	A	0.3	73	A	0.3	73	A	0.3	73	A	0.8	108	A	0.8	108	A	1.	108	A	0.8	108	A	0.9	108	A	0.8	108	A	0.7	108	A
80	A	1.9	112	A	1.9	112	A	1.8	112	A	1.2	112	A	1.1	112	A	1.5	112	A	0.9	112	A	0.9	112	A	0.7	112	A	0.5	112	A
81	A	1.4	149	A	1.6	149	A	1.6	149	A	1.4	149	A	1.3	149	A	1.7	149	A	1.8	149	A	1.8	149	A	1.7	149	A	1.6	149	A
82	A	1.	121	A	1.	121	A	0.9	121	A	1.	121	A	0.9	121	A	1.5	121	A	1.7	121	A	1.7	121	A	1.5	121	A	1.2	121	A
83	A	2.1	130	A	2.1	130	A	2.1	130	A	1.8	130	A	1.7	130	A	2.	130	A	2.5	130	A	2.4	130	A	2.2	130	A	2.1	130	A
84	A	1.8	120	A	1.9	120	A	1.8	120	A	1.1	120	A	1.	120	A	1.5	120	A	2.1	120	A	2.	120	A	1.8	120	A	1.4	120	A
85	A	2.1	141	A	2.2	141	A	2.1	141	A	2.3	141	A	2.2	141	A	3.1	141	A	3.8	141	A	3.9	141	A	3.5	141	A	2.9	141	A
86	A	3.3	375	A	3.5	375	A	3.5	375	B	54.1	11319	A	25.2	395	B	40.8	2178	B	42.3	5894	B	40.3	5894	B	40.3	5894	B	61.9	22112	B
87	A	0.9	38	A	0.9	38	A	0.8	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.2	47	A
88	A	3.5	343	A	3.7	343	A	3.6	343	A	3.9	343	A	2.7	355	A	3.5	355	B	13.6	1571	B	13.5	1571	B	13.4	1571	B	13.4	1571	B
89	A	1.6	121	A	1.6	121	A	1.6	121	A	0.8	121	A	0.8	121	A	0.9	121	A	1.1	121	A	1.2	121	A	1.1	121	A	1.	121	A
90	A	0.8	48	A	0.8	48	A	0.7	48	A	0.2	48	A	0.2	48	A	0.2	48	A	0.2	48	A	0.2	48	A	0.2	48	A	0.2	48	A
91	A	3.9	357	A	4.1	357	A	4.	357	B	29.3	11295	A	15.5	422	B	22.8	2185	B	39.9	5895	B	40.3	5895	B	39.2	5895	B	60.5	22094	B
92	A	1.2	63	A	1.2	63	A	1.2	63	A	0.4	63	A	0.4	63	A	0.3	63	A	0.5	63	A	0.6	63	A	0.5	63	A	0.3	63	A
93	A	1.5	107	A	1.5	107	A	1.5	107	A	0.7	107	A	0.6	107	A	0.9	107	A	1.	107	A	1.	107	A	0.9	107	A	0.9	107	A
94	A	1.5	118	A	1.6	118	A	1.5	118	A	0.8	118	A	0.7	118	A	0.8	118	A	1.	118	A	0.8	118	A	0.8	118	A	0.7	118	A
95	A	0.9	116	A	0.9	116	A	0.9	116	A	0.5	116	A	0.5	116	A	0.7	116	A	0.7	116	A	0.6	116	A	0.6	116	A	0.5	116	A
96	A	1.9	116	A	2.	116	A	2.	116	A	1.3	116	A	1.3	116	A	1.4	116	A	1.5	116	A	1.5	116	A	1.4	116	A	1.3	116	A
97	A	1.5	156	A	1.5	156	A	1.5	156	A	21.9	154	A	20.5	154	A	24.4	154	B	19.7	279	B	20.2	279	B	18.3	279	B	19.5	279	F
98	A	6.	165	A	6.3	165	A	6.5	165	A	9.2	159	A	9.2	159	A	2.6	159	A	3.2	165	A	3.2	165	A	2.9	165	A	2.7	165	F



Table 92 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			grade
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	
99	A	0.2	60	A	0.2	60	A	0.2	60	B	13.6	143	B	13.6	143	B	4.6	143	B	5.7	143	B	5.7	143	B	5.2	143	B	5.	143	B
100	A	11.4	146	A	12.	146	A	12.4	146	A	12.9	136	A	12.9	136	A	6.7	136	B	10.3	195	B	10.3	195	B	9.4	195	B	9.1	195	F
101	A	14.2	149	A	14.4	149	A	14.3	149	A	6.7	149	A	6.5	149	A	5.7	149	F	0	0	F	0	0	F	0	0	F	0	0	F
102	A	7.9	157	A	8.1	157	A	8.4	157	A	11.2	147	A	10.9	147	A	3.9	147	A	4.7	157	A	4.6	157	A	4.2	157	A	4.2	157	F
103	A	13.6	116	A	14.3	116	A	14.2	116	A	15.2	116	A	14.6	116	A	6.5	122	A	7.7	158	A	7.5	158	A	7.1	191	A	6.7	191	F
104	A	9.3	166	A	9.7	166	A	9.9	166	A	12.6	166	A	12.4	166	A	4.5	166	A	5.7	166	A	5.7	166	A	5.2	166	A	5.2	166	A
105	A	0.	46	A	0.	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A
106	A	0.5	104	A	0.5	104	A	0.5	104	A	0.7	104	A	0.7	104	A	0.8	104	A	0.5	105	A	0.5	105	A	0.4	105	A	0.5	105	A
107	B	0.	46	B	0.	46	B	0.	46	B	0.	46	B	0.	46	B	0.1	46	B	1.1	56	B	1.1	56	B	1.	56	B	0.	46	B
108	A	0.	120	A	0.	120	A	0.	120	A	0.1	120	A	0.1	120	A	0.1	120	B	6.1	851	B	6.1	851	B	6.1	851	B	6.1	851	B
109	A	0.	67	A	0.	67	A	0.	67	A	0.1	67	A	0.	67	A	0.	67	B	2.	181	B	2.1	181	B	1.9	181	B	1.4	181	B
110	A	0.2	92	A	0.2	92	A	0.2	92	A	0.5	154	A	0.5	154	A	0.6	154	A	0.6	154	A	0.7	154	A	0.6	154	A	0.6	154	A
111	A	0.4	115	A	0.4	115	A	0.4	115	A	0.8	115	A	0.7	115	A	0.8	115	A	0.7	129	A	0.7	129	A	0.6	129	A	0.6	129	A
112	B	0.5	401	B	0.5	401	B	0.5	401	B	0.9	401	B	0.8	401	B	1.1	401	A	0.6	75	A	0.6	75	A	0.6	77	A	0.5	77	A
113	A	0.8	99	A	0.8	99	A	0.8	99	A	1.3	99	A	1.3	99	A	1.4	99	A	4.7	119	A	4.8	119	A	4.4	119	A	1.9	119	A
114	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.2	52	A	0.4	71	A	0.5	71	A	0.4	71	A	0.4	71	A
115	A	0.8	225	A	0.8	225	A	0.8	225	A	0.4	218	A	0.4	218	A	0.5	218	A	0.7	218	A	0.7	218	A	0.7	218	A	0.6	218	A
116	A	4.	122	A	4.1	122	A	2.	122	A	3.1	122	A	3.	122	A	6.1	140	A	2.5	207	A	2.5	207	A	2.3	207	A	2.4	207	A
117	A	1.2	249	A	1.3	249	A	1.3	249	A	1.3	249	A	1.3	249	A	1.6	249	A	2.2	249	A	2.5	249	A	2.1	249	A	1.8	249	A
118	A	2.7	140	A	2.8	140	A	2.5	140	A	3.8	140	A	3.5	140	A	6.1	143	A	3.8	191	A	3.9	191	A	3.5	191	A	3.6	191	A
119	C	0.3	132	C	0.3	132	C	0.3	132	C	0.3	132	C	0.3	132	C	0.4	132	C	0.5	132	C	0.6	132	C	0.5	132	C	0.4	132	C
120	A	1.7	64	A	1.8	64	A	1.8	64	A	1.	64	A	1.	64	A	1.2	64	A	1.5	64	A	1.6	64	A	1.4	64	A	1.3	63	A
121	A	4.	150	A	4.2	150	A	4.1	150	A	2.7	150	A	2.8	150	A	4.2	150	A	6.	150	A	6.4	248	A	5.5	150	A	3.7	150	A
122	C	30.1	351	C	27.9	351	C	27.8	351	C	28.2	11962	C	28.1	11962	C	29.1	11962	C	32.9	11962	C	28.6	11962	C	30.9	11655	C	33.2	18972	C
123	C	10.5	352	C	6.5	352	C	6.3	352	C	26.6	4498	C	26.4	4504	C	28.	4504	C	36.4	21475	C	31.1	40339	C	31.	40339	C	32.8	22036	C
124	C	64.4	7905	C	64.7	14364	C	64.4	14364	C	30.	14364	C	29.9	14396	C	38.1	14396	C	39.8	31542	C	32.5	52072	C	31.9	52072	C	33.2	31575	C
125	C	51.9	15481	C	52.2	15481	C	51.8	15481	C	30.1	15481	C	30.1	15513	C	45.6	32448	C	45.9	34358	C	34.5	54932	C	33.2	54932	C	34.2	34391	C
126	A	0.7	107	A	0.7	107	A	0.7	107	A	4.1	209	A	4.1	209	A	5.5	209	B	22.1	4052	B	22.1	4052	B	22.	4052	B	23.3	4052	B
127	A	0.2	65	A	0.2	65	A	0.2	65	C	17.	3302	C	16.8	3302	C	25.4	6181	C	26.	7252	C	11.3	538	C	10.7	538	C	10.5	538	C
128	C	15.1	2453	C	16.4	2453	C	16.2	2453	C	18.9	2453	C	3.5	356	C	4.7	356	C	4.1	356	C	4.2	356	C	3.9	356	C	5.6	356	C
129	C	9.5	699	C	5.4	699	C	5.2	699	C	6.8	699	C	6.3	699	C	14.2	1527	C	14.8	1527	C	14.9	1527	C	14.7	1527	C	15.1	1527	C
130	C	17.2	306	C	13.	306	C	12.8	306	C	4.2	306	C	4.	306	C	4.6	306	C	6.	306	C	6.	306	C	5.6	306	C	7.3	306	C
131	C	4.2	464	C	4.4	464	C	4.2	464	C	13.3	471	C	13.3	471	C	14.1	471	C	17.	471	C	16.3	471	B	28.7	863	B	55.8	111725	B
132	A	1.1	158	A	1.2	158	A	1.1	158	A	0.7	158	A	0.7	158	A	0.8	158	A	0.9	158	A	0.9	158	A	0.8	158	A	0.8	158	A

Table 92 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9				
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	
133	A	1.6	80	A	1.7	80	A	1.6	80	A	0.6	80	A	0.6	80	A	0.8	80	A	0.3	80	A	0.3	80	A	0.3	80	A	0.3	80	A	
134	A	0.6	36	A	0.7	36	A	0.7	36	A	0.2	36	A	0.2	36	A	0.3	36	A	0.1	36	A	0.1	36	A	0.1	36	A	0.	36	A	
135	A	2.2	227	A	2.3	227	A	2.2	227	A	2.5	227	A	2.5	227	A	4.8	221	C	2.6	186	C	2.4	186	C	2.	275	B	13.4	1449	A	
136	A	1.5	80	A	1.5	80	A	1.4	80	A	0.6	80	A	0.6	80	A	0.9	80	A	0.4	80	A	0.4	80	A	0.4	80	A	0.3	80	A	
137	A	1.4	209	A	1.4	209	A	1.4	209	A	10.6	209	A	10.2	209	A	11.7	209	C	20.	100	C	19.5	100	C	19.	100	B	13.5	1697	B	
138	A	4.2	212	A	4.4	212	A	4.5	212	A	3.4	212	A	59.3	215	A	59.6	215	A	61.	215	A	61.	215	C	28.4	19962	C	28.	19962	C	
139	C	19.4	2502	C	15.7	2502	C	15.7	2502	C	18.1	2502	C	3.5	361	C	4.9	361	C	3.9	361	C	4.	361	C	3.7	361	C	3.7	361	C	
140	C	20.2	698	C	16.2	698	C	16.3	698	C	22.4	365	C	23.7	698	C	15.5	365	C	20.2	365	C	20.4	365	C	19.1	365	C	16.8	365	C	

## 2.91 4\_Trig\_functions\4.2aTangent\4.2.1.3(dsin)^m(a+btan)^n

Table 93: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62
2	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51
3	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
4	A 0. 56	A 0. 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0. 59
5	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	B 0. 93	B 0. 93	B 0. 93	B 0. 93	B 0. 93	B 0. 93	B 0. 93
6	A 0. 26	A 0. 26	A 0. 52	A 0. 52	A 0. 52	A 0. 52	B 0. 109	B 0. 109	B 0. 109	B 0. 109	B 0. 109	B 0. 109	B 0. 113
7	C 0.1 107	C 0.1 107	C 0.1 107	C 0. 107	C 0. 107	C 0. 107	B 0. 172	B 0. 172	B 0. 172	B 0. 172	B 0. 172	B 0. 172	B 0. 172
8	A 0.6 111	A 0.6 111	A 0.6 111	A 0.5 111	A 0.5 111	A 0.6 111	A 0.7 111	A 0.7 111	A 0.6 111	A 0.7 111	A 0.6 111	A 0.5 111	A 0.5 111
9	A 2.5 212	A 2.8 212	A 2.7 212	A 2.4 212	A 2.4 212	A 2.7 212	A 3.8 212	A 3.9 212	A 3.4 212	A 3.3 212	A 2.6 211	A 2.4 211	A 2.4 211
10	B 2.1 515	B 2.4 515	B 2.2 515	B 2. 515	B 2. 515	B 2.8 515	B 5.1 515	B 5.2 515	B 4.8 515	B 2.4 515	B 2. 515	B 1.9 515	B 1.9 515
11	B 3.8 383	B 4.2 383	B 4.1 383	B 5.5 383	B 5.9 383	B 5.8 383	B 6.2 383	B 6.2 875	B 6. 383	B 6.2 875	B 5.7 383	B 5.7 383	B 5.7 383
12	B 4.4 352	B 4.8 352	B 4.5 352	B 5. 352	B 5.6 352	B 6.2 870	B 6.2 870	B 6.2 870	B 6.2 870	B 6.1 870	B 6.1 870	B 5.6 356	B 5.6 356
13	A 3.6 150	A 3.8 150	A 3.8 150	A 2.2 150	A 2.3 150	A 4.2 150	A 5.3 150	A 6.2 150	A 3.4 150	A 3.3 150	C 6.2 480	C 6.1 480	C 6.1 480
14	B 2.5 241	B 2.7 241	B 2.3 241	B 3. 241	B 3. 241	B 5.7 241	C 6.2 333	C 6.2 333	C 6.2 333	B 4.6 243	C 6.1 333	B 6.1 315	B 6.1 315
15	A 4.2 494	A 4.6 494	A 4.4 494	A 5. 494	A 4.9 494	A 5.6 494	B 6.4 670	B 6.3 670	B 6.3 670	B 6.3 670	C 6.3 2113	A 2.5 514	A 2.5 514
16	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
17	A 1. 270	A 1.1 270	A 1. 270	A 1.5 270	A 1.5 270	A 1.7 270	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
18	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
19	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

## 2.92 4\_Trig\_functions\4.2aTangent\4.2.2.1(a+btan)<sup>m</sup>(c+dtan)<sup>n</sup>

Table 94: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	
1	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0.1 19	A 0. 19	A 0.1 19	A 0.1	
2	A 0. 19	A 0. 19	A 0. 31	A 0. 27	A 0. 27	A 0. 27	A 0.1 19	A 0.1 19	A 0. 19	A 0.1 19	A 0.	
3	C 0. 62	C 0. 62	C 0.1 68	C 0.2 68	C 0.2 68	C 0.2 68	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0.	
4	A 0. 121	A 0. 121	A 0.2 108	A 0.3 108	A 0.3 108	A 0.4 108	A 0.1 126	A 0.1 126	A 0.1 126	A 0.1 126	A 0.1	
5	A 0.1 34	A 0.2 34	A 0.2 34	B 0.9 100	B 0.9 100	B 1.1 100	B 0.7 100	B 0.6 100	B 0.6 100	B 0.6 100	A 0.4 75	A 0.3
6	A 0. 37	A 0. 37	A 0. 38	A 0. 30	A 0. 30	A 0.1 30	A 0.1 37	A 0.1 37	A 0.1 37	A 0.1 37	A 0.1 37	A 0.1
7	C 0. 128	C 0. 128	C 0. 145	C 0.9 124	C 0.9 124	C 1. 124	A 0.1 126	A 0.1 126	A 0.1 126	A 0.1 126	A 0.1 126	A 0.1
8	A 0.3 57	A 0.3 57	A 0.3 57	B 1.4 178	B 1.3 178	B 1.5 178	B 1.1 178	B 1.1 178	B 1. 178	B 1.1 178	B 1.1 178	B 0.9
9	A 0.2 50	A 0.2 50	A 0.2 50	A 1.4 95	A 1.4 95	A 1.6 95	A 1. 95	A 1. 95	A 0.9 95	A 1. 95	A 1. 95	A 0.9
10	A 0.2 80	A 0.2 80	A 0.2 80	B 1.5 251	B 1.4 251	B 1.6 251	B 1.2 251	B 1.2 251	B 1.1 251	A 1.1 175	A 1.	
11	A 0.3 89	A 0.3 89	A 0.2 89	B 1.5 254	B 1.4 254	B 1.7 254	B 1. 254	B 1.1 254	B 1. 254	B 1.1 254	B 0.9	
12	A 0.2 67	A 0.2 67	A 0.2 67	B 1.5 231	B 1.4 231	B 1.6 231	B 1.3 231	B 1.3 231	B 1.2 231	B 1.2 231	B 1.	
13	A 0.3 123	A 0.3 123	A 0.3 123	B 2.2 363	B 2.2 363	B 2.7 363	B 1.7 363	B 1.7 363	B 1.6 363	B 1.7 363	B 1.5	
14	A 0.4 106	A 0.4 106	A 0.4 106	B 3.7 235	B 3.7 235	B 6.4 235	B 6.2 775	B 6.2 775	B 6.2 775	A 6.1 173	A 5.2	
15	A 0.2 85	A 0.2 85	A 0.2 85	B 1.2 174	B 1.2 174	B 1.4 174	B 1.6 174	B 1.6 174	B 1.7 153	B 0.6 245	B 0.5	
16	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1	
17	A 0. 35	A 0. 35	A 0. 35	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1	
18	A 0.2 71	A 0.2 71	A 0.2 71	A 0.4 87	A 0.3 87	A 0.5 87	A 0.4 87	A 0.4 87	A 0.3 87	A 0.2 65	A 0.2	
19	A 0.3 95	A 0.3 95	A 0.3 95	A 0.5 135	A 0.4 135	A 0.5 135	A 0.4 135	A 0.5 135	A 0.4 135	A 0.3 86	A 0.3	
20	A 0.6 186	A 0.6 186	A 0.4 187	A 2.7 239	A 2.6 239	A 5.4 239	A 5.3 239	A 5.4 239	B 6.2 836	A 3.5 239	A 2.4	
21	A 0.3 130	A 0.3 130	A 0.3 130	A 0.5 118	A 0.5 118	A 0.7 118	A 0.5 118	A 0.5 118	A 0.4 118	A 0.4 118	A 0.3	
22	A 0.4 91	A 0.4 91	A 0.4 91	A 0.5 91	A 0.5 91	A 0.6 91	A 0.5 91	A 0.5 91	A 0.4 91	A 0.4 91	A 0.5	
23	A 0.3 91	A 0.3 91	A 0.4 91	A 0.4 91	A 0.5 91	A 0.6 91	A 0.5 91	A 0.5 91	A 0.4 91	A 0.4 91	A 0.3	
24	A 0.6 265	A 0.6 265	A 0.5 265	B 0.9 429	B 0.9 429	B 1. 429	B 0.9 429	B 0.9 429	B 0.8 429	B 0.8 429	B 0.7	
25	A 0.2 108	A 0.2 108	A 0.2 108	A 0.3 98	A 0.3 98	A 0.4 98	A 0.3 98	A 0.3 98	A 0.2 98	A 0.2 98	A 0.2	
26	A 0.4 95	A 0.4 95	A 0.4 95	A 0.6 95	A 0.6 95	A 0.7 95	A 0.5 95	A 0.5 95	A 0.4 95	A 0.4 95	A 0.3	
27	A 0.8 115	A 0.8 115	A 0.8 115	A 0.5 123	A 0.5 123	A 0.6 123	A 0.5 123	A 0.5 123	A 0.5 123	A 0.4 123	A 0.3	
28	A 0.5 104	A 0.5 104	A 0.5 104	A 2.4 105	A 2.3 105	A 1.7 126	A 3.7 105	A 3.2 105	A 2.2 103	A 2.2 103	A 1.9	
29	A 0.2 73	A 0.2 73	A 0.2 73	A 0.8 97	A 0.8 97	A 1.1 89	A 0.8 97	A 0.8 97	A 0.7 97	A 0.5 97	A 0.4	
30	A 0.1 67	A 0.1 67	A 0.1 67	A 0.4 77	A 0.4 77	A 0.7 77	A 0.6 77	A 0.6 77	A 0.5 77	A 0.3 77	A 0.3	

Table 94 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8	
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu
31	A	0.6	116	A	0.6	116	A	0.6	116	A	2.1	144	A	2.1	144	A	4.	144	B	7.2	319	A	6.6	221	A	5.9	221	A	4.9	221	A	18.7
32	A	0.8	116	A	0.8	116	A	0.8	116	A	2.3	176	A	2.2	176	A	2.8	176	A	2.5	176	A	2.3	176	A	2.	176	A	2.	176	A	0.7
33	A	0.5	107	A	0.6	107	A	0.5	107	A	2.8	170	A	2.9	170	A	2.8	172	A	4.1	170	A	3.8	170	A	3.4	170	A	3.1	170	A	0.6
34	A	0.3	109	A	0.3	109	A	0.3	109	A	1.6	170	A	1.5	170	A	1.7	170	B	2.5	251	B	2.4	251	B	2.1	251	B	2.	251	B	16.5
35	A	0.4	90	A	0.4	90	A	0.4	90	A	1.2	129	A	1.2	129	A	1.5	129	A	1.4	129	A	1.2	129	A	1.1	129	A	1.	129	A	0.7
36	A	0.8	121	A	0.8	121	A	0.8	121	A	2.1	196	A	2.1	196	A	2.6	196	A	2.9	258	A	2.7	258	A	2.5	258	A	2.4	258	F	0
37	A	1.4	146	A	1.4	146	A	1.4	146	A	1.9	214	A	1.9	214	A	2.3	214	A	3.5	269	A	3.2	269	A	2.9	269	A	3.	269	F	0
38	A	1.5	158	A	1.5	158	A	1.5	158	A	4.	263	A	4.	263	A	5.2	263	A	4.8	305	A	4.5	305	A	4.1	305	A	5.6	305	F	0
39	C	0.4	50	C	0.4	50	C	0.3	50	A	2.2	150	A	2.3	150	A	2.8	150	A	3.1	150	A	3.2	150	A	2.9	150	A	4.1	150	A	2.1
40	A	0.2	58	A	0.2	58	A	0.2	58	A	1.	85	A	1.	85	A	1.1	85	A	1.	65	A	0.9	65	A	0.8	65	A	0.8	65	B	37.6
41	C	0.1	39	C	0.1	39	C	0.1	39	C	0.1	39	C	0.1	39	C	0.2	39	A	0.2	56	A	0.2	56	A	0.2	56	A	0.2	56	A	0.2
42	A	0.9	75	A	0.9	75	A	0.9	75	A	3.6	154	A	3.5	154	A	4.3	154	A	3.7	70	A	3.1	70	A	2.8	70	A	2.4	70	B	34.8
43	A	0.7	71	A	0.7	71	A	0.7	71	A	3.	156	A	2.9	156	A	3.7	156	A	2.5	85	A	2.2	85	A	1.9	87	A	1.5	87	B	24.2
44	A	1.5	85	A	1.5	85	A	1.5	85	B	9.1	377	B	9.1	377	B	9.9	377	A	5.1	117	A	4.5	117	A	4.1	117	A	3.9	117	B	24.3
45	A	2.	98	A	2.	98	A	2.	98	B	9.6	416	B	9.7	416	B	10.8	416	A	5.9	135	A	5.2	135	A	4.4	135	A	4.1	135	B	6.4
46	A	1.7	135	A	1.7	135	A	1.8	135	A	1.9	275	A	2.	275	A	2.2	275	A	3.	275	A	3.2	275	A	3.	275	A	2.5	277	A	1.9
47	A	1.4	123	A	1.4	123	A	1.4	123	A	1.9	164	A	1.9	164	A	2.4	164	A	2.9	164	A	3.	164	A	2.7	164	A	1.3	210	A	1.4
48	A	0.5	111	A	0.5	111	A	0.5	111	A	1.	150	A	1.	150	A	1.2	150	A	1.1	150	A	1.1	150	A	1.	150	A	1.	150	A	1.
49	A	0.2	88	A	0.2	88	A	0.2	88	A	1.1	129	A	1.1	129	A	1.3	129	A	1.6	90	A	1.5	90	A	1.3	90	A	1.3	90	B	23.4
50	A	2.8	346	A	2.9	346	A	2.7	203	A	2.4	346	A	2.4	346	A	2.8	346	A	2.5	346	A	2.5	346	A	2.2	346	A	2.3	346	A	1.8
51	A	2.2	233	A	2.3	233	A	0.7	185	A	1.4	233	A	1.4	233	A	1.9	233	A	1.6	233	A	1.7	233	A	1.4	233	A	0.9	233	A	1.3
52	A	2.	123	A	2.	123	A	1.9	123	A	1.	228	A	1.	228	A	1.4	228	A	1.3	228	A	1.4	228	A	1.1	228	A	0.9	228	A	1.1
53	C	0.4	151	C	0.4	151	C	0.4	151	A	1.1	231	A	1.1	231	A	1.5	231	A	1.2	231	A	1.2	231	A	1.1	231	A	0.9	231	A	1.2
54	A	5.7	279	A	5.9	279	A	5.6	279	A	3.5	234	A	3.5	234	A	3.9	234	A	5.9	356	A	5.1	356	A	4.6	356	A	4.2	356	A	5.3
55	B	3.2	217	B	3.3	217	B	3.3	217	A	1.8	160	A	1.8	160	A	2.	160	B	2.1	168	B	2.	168	B	1.8	168	B	2.	167	B	23.1
56	A	6.4	334	A	6.4	334	A	6.4	334	A	2.9	166	A	2.9	166	A	3.4	166	A	3.1	174	A	3.	174	A	2.7	174	A	1.8	151	B	21.8
57	A	4.7	307	A	4.5	307	A	4.6	307	A	4.3	232	A	4.4	232	A	5.5	232	A	7.2	302	A	6.6	302	A	6.	302	A	8.	480	A	4.9
58	A	0.9	216	A	0.9	216	A	0.9	216	A	2.7	267	A	2.6	267	A	3.1	267	B	6.7	360	B	6.1	360	B	5.5	360	B	4.9	360	B	3.9
59	A	3.5	304	A	3.7	304	A	3.8	304	A	3.8	187	A	3.8	187	A	4.4	187	A	4.7	195	A	4.4	195	A	4.	195	A	4.6	222	B	20.4
60	A	1.	122	A	1.	122	A	1.	122	A	2.	159	A	2.1	159	A	2.5	159	A	2.3	159	A	2.2	159	A	2.	159	A	2.	159	F	0
61	A	1.8	236	A	1.9	236	A	1.6	236	A	3.3	241	A	3.4	241	A	3.8	241	A	4.2	343	A	4.	343	A	3.6	343	A	3.7	343	F	0
62	A	1.2	147	A	1.2	147	A	1.2	147	A	2.5	203	A	2.5	203	A	3.	203	A	3.4	203	A	3.3	203	A	3.	203	A	3.4	203	F	0
63	A	3.4	338	A	3.6	338	A	3.7	338	C	1.3	163	C	1.3	163	C	1.4	163	A	7.3	286	A	7.4	286	A	6.7	286	A	7.2	286	C	39.1
64	A	2.4	285	A	2.5	285	A	2.5	285	C	1.1	161	C	1.	161	C	1.3	161	A	5.7	275	A	5.9	275	A	5.3	275	A	5.3	275	C	35.4

Table 94 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
65	C	2.5	192	C	2.6	192	A	6.4	677	C	1.9	192	C	1.8	192	C	2.1	192	A	45.1	286	A	42.	286	A	37.6	286	A	36.2	286	A	46	
66	A	2.9	355	A	3.1	355	A	3.	355	C	1.6	194	C	1.5	194	C	1.9	194	A	43.5	282	A	38.2	282	A	35.	282	A	40.6	282	C	45.	
67	A	6.2	431	A	6.3	515	A	6.3	515	C	2.	281	C	2.	281	C	2.4	281	A	39.1	328	A	38.6	328	A	34.6	328	A	33.6	328	C	42.6	
68	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	B	23.4	
69	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
70	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	B	12.4	
71	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
72	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
73	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	B	7.	
74	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	B	4.2	
75	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
76	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	B	7.3	
77	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	B	7.2	
78	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
79	A	1.2	224	A	1.2	224	A	1.2	224	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
80	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
81	C	0.3	62	C	0.3	62	C	0.2	62	C	0.8	82	C	0.8	82	C	1.	82	C	0.8	108	C	0.9	108	C	0.8	108	C	0.8	108	C	0.6	
82	C	0.1	50	C	0.1	50	C	0.1	50	C	0.6	141	C	0.6	141	C	0.8	141	C	1.	141	C	0.9	141	C	0.7	109	C	0.5	109	C	0.5	
83	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
84	C	0.4	119	C	0.5	119	C	0.4	119	C	1.2	130	C	1.1	130	C	1.3	130	C	1.3	126	C	1.2	126	C	1.1	126	C	1.1	126	C	0.9	
85	C	0.2	88	C	0.3	88	C	0.2	88	C	0.8	128	C	0.7	128	C	1.	128	C	1.	123	C	0.9	123	C	0.8	123	C	0.7	123	C	0.6	
86	A	0.5	75	A	0.5	75	A	0.5	75	B	9.4	900	A	3.6	214	A	4.3	214	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
87	A	3.3	231	A	3.4	231	A	3.4	231	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
88	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
89	A	0.3	73	A	0.3	73	A	0.3	73	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
90	A	0.1	49	A	0.1	49	A	0.1	49	A	5.	134	A	4.8	134	A	5.4	134	B	7.2	153	B	7.2	153	B	6.6	153	B	6.5	153	F	0	
91	A	0.	49	A	0.1	49	A	0.1	49	B	1.7	128	B	1.6	128	B	1.8	128	B	1.7	130	B	1.7	130	B	1.6	130	B	1.4	130	F	0	
92	C	0.1	92	C	0.1	92	C	0.1	92	C	0.1	92	C	0.1	92	C	0.1	92	A	0.4	103	A	0.4	103	A	0.4	103	A	0.4	103	A	0.3	
93	A	0.8	187	A	0.9	187	A	0.9	187	A	1.3	187	A	1.3	187	A	1.4	187	A	6.4	179	A	3.6	179	A	3.3	179	A	3.5	179	A	2.3	
94	B	6.2	625	B	6.2	625	B	6.2	625	C	1.	175	C	0.9	175	C	1.	175	A	19.	113	A	9.2	113	A	8.4	116	A	9.5	116	A	10.1	
95	A	2.4	181	A	2.5	181	A	2.5	181	A	1.5	173	A	1.4	173	A	1.8	173	A	2.4	173	A	2.5	173	A	4.9	173	A	3.2	173	C	6.7	
96	C	0.1	78	C	0.1	78	C	0.1	78	C	0.1	78	C	0.1	78	C	0.1	78	C	21.6	4921	C	21.5	4921	C	21.5	4921	C	21.4	4921	C	20.4	
97	C	0.3	124	C	0.3	124	C	0.3	124	C	0.5	124	C	0.5	124	C	0.5	124	C	22.7	4049	C	22.7	4049	C	22.5	4049	C	23.2	4049	C	16.8	
98	C	0.1	86	C	0.1	86	C	0.1	86	C	0.2	86	C	0.2	86	C	0.2	86	C	0.4	86	C	0.4	86	C	0.3	86	C	0.3	86	C	1.1	

Table 94 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
99	C	0.	67	C	0.	67	C	0.	67	C	0.	67	C	0.	67	C	0.	67	C	0.1	67	C	0.1	67	C	0.1	67	C	0.1	67	C	0.	
100	C	0.2	90	C	0.2	90	C	0.2	90	C	0.2	90	C	0.2	90	C	0.2	90	C	0.7	145	C	0.7	145	C	0.6	145	C	0.7	145	C	1.3	
101	C	0.	79	C	0.1	79	C	0.	79	C	0.1	79	C	0.1	79	C	0.1	79	C	0.3	130	C	0.3	130	C	0.3	130	C	0.1	79	C	0.1	
102	C	0.	67	C	0.	67	C	0.	67	C	0.	67	C	0.	67	C	0.1	67	C	0.1	64	C	0.1	64	C	0.1	64	C	0.1	67	C	14.7	
103	C	0.2	125	C	0.2	125	C	0.2	125	C	0.3	125	C	0.3	125	C	0.4	125	C	22.3	4029	C	22.3	4029	C	22.2	4029	C	22.6	4029	C	10.4	
104	C	0.9	169	C	1.	169	C	0.9	169	C	1.4	169	C	1.4	169	C	1.9	169	C	22.6	4059	C	22.6	4059	C	22.5	4059	C	22.9	4059	C	13.9	
105	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
106	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	44	A	0.1	44	A	0.	44	A	0.	44	A	0.	
107	C	0.	64	C	0.	64	C	0.3	70	C	0.4	70	C	0.4	70	C	0.5	70	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.	
108	C	0.	76	C	0.	76	C	0.	91	C	0.5	82	C	0.4	82	C	0.5	82	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	
109	C	0.7	97	C	0.8	97	C	0.7	97	C	1.1	97	C	1.1	97	C	1.2	97	A	3.4	106	A	3.4	106	B	6.1	336	A	2.6	107	A	1.4	
110	C	1.	118	C	1.1	118	C	1.1	118	C	1.7	118	C	1.7	118	C	1.8	118	B	6.2	336	B	6.2	336	B	6.2	336	A	4.	109	B	6.1	
111	C	0.6	152	C	0.7	152	C	0.7	152	C	1.	152	C	0.9	152	C	1.4	152	B	6.2	409	B	6.2	409	B	6.2	409	A	5.1	135	A	1.9	
112	C	1.4	147	C	1.5	147	C	1.5	147	C	2.2	147	C	2.3	147	C	2.5	147	A	3.	162	A	3.	162	A	2.9	162	A	2.5	162	A	5.7	
113	C	0.4	178	C	0.4	178	C	0.4	178	C	0.5	178	C	0.5	178	C	0.5	178	B	6.3	481	B	6.3	481	B	6.3	481	B	6.2	481	A	3.	
114	C	0.1	76	C	0.1	76	C	0.1	76	C	0.1	76	C	0.1	76	C	0.1	76	A	0.1	53	A	0.1	53	A	0.1	53	A	0.1	53	A	0.1	
115	C	2.6	243	C	2.7	243	C	2.6	243	C	3.7	243	C	3.3	243	C	4.2	243	C	6.5	748	C	6.4	748	C	6.4	748	A	4.4	316	A	3.8	
116	C	2.8	209	C	2.9	209	C	2.8	209	C	4.3	209	C	3.8	209	C	5.4	209	C	6.	358	C	6.1	358	C	5.7	358	A	2.2	257	A	1.9	
117	C	2.3	176	C	2.3	176	C	2.3	176	C	3.5	176	C	3.1	176	C	3.6	176	C	6.3	633	C	6.3	633	C	6.2	633	C	4.4	198	C	3.9	
118	C	1.3	243	C	1.3	243	C	1.4	243	C	2.1	243	C	1.9	243	C	2.1	243	C	6.4	790	C	6.5	790	C	6.5	790	A	5.6	319	A	3.6	
119	C	0.4	84	C	0.5	84	C	0.5	84	C	0.6	84	C	0.6	84	C	0.8	84	A	0.8	107	A	0.8	107	A	0.7	110	A	1.3	71	A	1.2	
120	C	0.2	67	C	0.2	67	C	0.2	67	C	0.3	67	C	0.3	67	C	0.3	67	A	0.2	84	A	0.2	84	A	0.2	87	A	0.4	57	A	0.4	
121	A	3.8	338	A	4.2	338	A	4.	338	A	1.7	268	A	1.6	268	A	10.9	338	B	6.5	425	B	6.5	425	B	6.5	425	B	6.4	425	A	21.7	
122	C	0.2	108	C	0.2	108	C	0.2	108	C	0.3	108	C	0.3	108	C	0.3	108	C	1.4	108	C	1.4	108	C	1.3	108	C	1.1	108	C	2.3	
123	C	0.	87	C	0.	87	C	0.	87	C	0.	87	C	0.	87	C	0.1	87	C	16.6	87	C	16.9	87	C	16.4	87	C	0.	87	C	0.	
124	A	4.	293	A	4.2	293	A	4.2	293	A	6.5	311	A	6.4	311	A	6.5	311	A	6.5	496	A	6.5	496	A	6.5	496	A	6.3	280	A	23.1	
125	C	0.2	100	C	0.2	100	C	0.2	100	C	0.3	100	C	0.3	100	C	0.3	100	A	2.2	110	A	2.3	110	A	1.	172	A	0.8	172	A	0.7	
126	A	0.8	165	A	0.8	165	A	0.8	165	A	1.2	165	A	1.1	165	A	1.3	165	C	29.3	17416	C	29.4	17416	C	29.6	17416	C	29.7	17416	C	56.7	
127	C	0.5	120	C	0.5	120	C	0.5	120	C	0.8	120	C	0.7	120	C	1.1	120	A	2.4	201	A	2.5	201	A	2.3	206	A	2.2	228	A	1.7	
128	C	0.2	99	C	0.2	99	C	0.2	99	C	0.3	99	C	0.3	99	C	0.3	99	A	2.4	274	A	2.4	274	A	2.2	274	A	1.	207	A	0.8	
129	C	0.	61	C	0.	61	C	0.	61	C	0.	61	C	0.	61	C	0.1	61	A	0.4	123	A	0.4	123	A	0.3	123	A	0.1	123	A	0.1	
130	C	0.1	82	C	0.1	82	C	0.1	82	C	0.1	82	C	0.1	82	C	0.2	82	A	0.5	144	A	0.4	144	A	0.4	144	A	0.4	144	A	0.3	
131	A	1.4	243	A	1.5	243	A	1.3	243	A	1.9	243	A	1.8	243	A	2.2	243	A	3.4	351	A	3.4	351	A	6.5	463	A	2.9	276	A	2.3	
132	C	0.1	155	C	0.1	155	C	0.1	155	C	0.2	155	C	0.2	155	C	0.2	155	A	1.	307	A	1.	307	A	0.9	307	A	0.3	298	A	0.3	

Table 94 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
133	C	0.9	151	C	0.9	151	C	0.9	151	C	1.3	151	C	1.3	151	C	1.4	151	A	5.5	479	A	5.4	479	C	2.8	479	A	1.2	261	A	0.9	
134	C	0.4	166	C	0.4	166	C	0.4	166	C	0.7	166	C	0.6	166	C	0.7	166	C	6.6	760	C	6.7	760	C	6.	469	A	1.4	266	A	1.1	
135	C	3.	230	C	3.	230	C	3.1	230	C	4.6	230	C	4.2	230	C	4.9	230	C	7.	820	C	7.	820	C	6.9	827	A	5.8	338	A	3.5	
136	A	10.5	640	A	10.8	640	C	3.7	403	C	5.6	403	C	5.2	403	C	5.7	403	C	7.1	869	C	7.2	869	C	7.1	875	A	4.6	406	A	4.	
137	C	1.8	235	C	1.9	235	C	1.9	235	C	2.9	235	C	2.7	235	C	3.1	235	C	6.8	862	C	6.9	862	C	6.9	872	A	4.4	352	A	3.4	
138	A	0.1	123	A	0.1	123	A	0.1	123	A	0.2	123	A	0.2	123	A	0.2	123	C	24.6	6022	C	37.8	238250	C	37.8	238250	A	0.2	122	A	0.2	
139	A	0.4	161	A	0.4	161	A	0.4	161	A	0.6	161	A	0.6	161	A	0.7	161	C	13.1	511	C	31.7	238344	C	31.6	238344	A	0.7	176	A	0.5	
140	A	0.6	221	A	0.6	221	A	0.6	221	A	0.9	221	A	0.9	221	A	1.	221	C	33.2	65421	C	41.1	627359	C	40.9	627359	A	0.4	195	A	0.4	
141	A	1.1	172	A	1.2	172	A	1.3	172	A	1.7	172	A	1.6	172	A	2.4	172	C	23.3	6033	C	38.6	277221	C	38.4	277221	A	2.2	165	A	1.9	
142	A	1.	182	A	1.	182	A	1.1	182	A	1.5	182	A	1.3	164	A	1.7	164	C	23.8	4626	C	38.5	234490	C	38.3	234490	A	0.8	159	A	0.6	
143	C	4.4	260	C	4.5	260	C	5.1	260	C	6.2	407	C	6.2	407	C	6.2	407	C	34.2	81109	C	42.4	748633	C	42.1	748633	A	6.2	360	A	6.2	
144	A	2.4	194	A	2.5	194	A	2.5	194	A	4.2	194	A	3.9	194	A	5.8	194	C	24.8	4829	C	39.4	349358	C	39.2	349358	A	6.1	230	A	3.5	
145	A	0.1	89	A	0.1	89	A	0.1	89	A	0.2	89	A	0.2	89	A	0.3	89	C	10.1	320	C	37.8	184003	C	37.7	184003	A	0.2	111	A	0.2	
146	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.2	89	C	18.7	2739	C	37.5	138173	C	37.4	138173	A	0.2	111	A	0.2	
147	A	0.1	89	A	0.1	89	A	0.1	89	A	0.2	89	A	0.2	89	A	0.2	89	C	9.7	317	C	37.8	189800	C	37.8	189800	A	0.2	111	A	0.2	
148	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.2	95	C	5.	257	C	36.9	73578	C	36.7	33617	A	0.2	109	A	0.2	
149	A	0.1	103	A	0.1	103	A	0.1	103	A	0.2	103	A	0.2	103	A	0.2	104	C	0.5	257	C	30.8	73578	C	6.2	33617	A	0.2	109	A	0.2	
150	C	0.2	104	C	0.2	104	C	0.2	104	C	0.3	104	C	0.3	104	C	0.3	104	A	2.4	552	A	2.4	552	A	2.1	552	A	3.	422	A	2.6	
151	A	0.9	442	A	1.	442	A	1.	442	A	1.5	442	A	1.4	442	A	1.6	442	A	16.8	690	A	17.	690	A	15.9	690	A	19.1	690	A	15.5	
152	C	0.5	313	C	0.5	313	C	0.6	313	C	0.8	313	C	0.8	313	C	1.6	313	C	10.1	355	C	10.3	355	C	10.1	355	C	8.1	355	C	5.4	
153	A	0.6	744	A	0.6	744	A	0.6	744	A	0.8	744	A	0.8	744	A	1.7	744	A	10.9	450	A	11.1	450	A	10.7	450	A	10.7	450	A	8.4	
154	A	0.7	300	A	0.7	300	A	0.7	300	A	1.1	300	A	1.	300	A	1.4	300	B	18.	935	B	18.2	935	B	16.9	935	B	1.2	895	B	1.	
155	A	0.4	116	A	0.4	116	A	0.4	116	A	0.4	116	A	0.4	116	A	0.5	116	A	3.2	239	A	3.2	239	A	2.6	239	A	0.7	116	A	0.6	
156	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
157	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
158	A	0.5	54	A	0.5	54	A	0.5	54	C	2.2	70	C	2.1	70	C	2.5	70	C	1.4	47	C	1.4	47	C	1.3	47	C	1.2	47	C	55.8	
159	A	0.2	63	A	0.3	63	A	0.3	63	C	2.	83	C	1.8	83	C	2.4	83	C	1.7	61	C	1.6	61	C	1.4	61	C	1.3	61	C	23.9	
160	C	1.3	178	C	1.4	178	C	1.4	178	A	1.2	174	A	1.1	174	A	1.5	174	A	1.4	174	A	1.4	174	A	1.2	174	A	1.1	174	A	1.2	
161	C	1.7	205	C	1.9	205	C	1.8	205	A	1.1	213	A	1.1	213	A	1.4	213	A	1.3	213	A	1.4	213	A	1.3	213	A	1.	213	A	1.3	
162	C	0.4	145	C	0.5	145	C	0.4	145	A	1.	232	A	1.	232	A	1.3	232	A	1.2	234	A	1.3	234	A	1.1	234	A	0.9	234	A	1.2	
163	C	0.5	87	C	0.5	87	C	0.5	87	A	0.9	224	A	0.9	224	A	1.2	224	A	0.9	224	A	0.9	224	A	0.8	224	A	0.7	224	A	1.1	
164	A	5.8	283	A	6.1	283	A	6.3	283	A	1.9	161	A	1.8	161	A	2.6	151	A	2.1	161	A	1.9	161	A	1.7	161	A	2.1	207	B	23.1	
165	B	2.9	258	B	3.	258	B	2.5	258	A	1.3	105	A	1.2	105	A	1.8	105	A	1.6	105	A	1.4	105	A	1.2	105	A	1.3	161	B	21.7	
166	A	3.9	274	A	4.1	274	A	4.1	274	A	1.8	142	A	1.7	142	A	2.3	142	A	2.	142	A	1.8	142	A	1.6	142	A	2.1	187	B	20.3	



Table 94 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
167	A	1.4	136	A	1.4	136	A	1.5	136	A	1.6	156	A	1.5	156	A	2.1	156	A	1.7	156	A	1.7	156	A	1.5	156	A	1.2	156	B	21.3	
168	A	1.2	124	A	1.2	124	A	1.2	124	A	1.3	158	A	1.3	158	A	1.9	158	A	1.6	158	A	1.6	158	A	1.3	158	A	1.	158	B	20.8	
169	A	2.9	226	A	3.1	226	A	0.9	210	A	2.6	226	A	2.5	226	A	3.2	226	A	3.6	328	A	3.5	328	A	3.1	328	A	2.7	328	F	0	
170	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
171	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
172	C	0.2	66	C	0.1	66	C	0.1	66	C	0.2	66	C	0.2	66	C	0.3	66	A	1.3	244	A	1.3	244	A	1.2	244	A	1.3	244	C	2.	
173	C	0.4	199	C	0.4	199	C	0.4	199	C	0.6	199	C	0.5	199	C	0.7	199	A	2.2	266	A	2.3	266	A	2.1	266	A	1.3	207	C	2.4	
174	C	0.2	77	C	0.2	77	C	0.2	77	C	0.3	77	C	0.3	77	C	0.3	77	A	2.8	172	A	2.9	172	A	2.7	172	A	2.6	207	C	2.1	
175	C	0.2	100	C	0.3	100	C	0.3	100	C	0.4	100	C	0.3	100	C	0.4	100	A	5.1	342	A	5.3	342	A	4.9	342	A	4.1	342	C	4.	
176	C	0.2	227	C	0.2	227	C	0.2	227	C	0.3	227	C	0.3	227	C	0.4	227	A	13.8	174	A	4.2	174	A	4.	174	A	0.3	274	C	13.8	
177	C	1.1	368	C	1.2	368	C	1.2	368	C	1.8	368	C	1.7	368	C	2.1	368	A	3.3	480	A	3.3	480	A	3.3	480	A	1.5	265	C	21.3	
178	C	4.2	325	C	4.3	325	C	4.5	325	C	6.1	380	C	6.1	380	C	6.1	380	A	3.2	502	A	3.2	502	A	3.	502	A	1.2	260	C	21.5	
179	C	5.8	420	C	6.1	490	C	6.1	490	C	6.2	462	C	6.2	462	C	6.2	462	C	6.9	841	C	6.9	841	C	6.8	841	A	4.5	348	C	22.2	
180	C	1.6	398	C	1.7	398	C	1.7	398	C	2.7	398	C	2.5	398	C	3.	398	C	6.9	835	C	6.9	835	C	6.8	835	A	4.	344	C	21.8	
181	C	3.4	336	C	3.6	336	C	3.7	336	C	6.1	387	C	6.1	387	C	6.2	387	C	7.	860	C	7.	860	C	6.9	860	A	4.4	353	C	22.2	
182	A	0.7	209	A	0.7	209	A	0.7	209	A	1.	209	A	1.4	213	A	1.9	213	C	26.2	6287	C	38.7	375797	C	38.5	375797	C	25.9	6287	C	24.2	
183	A	2.2	274	A	2.4	274	A	2.4	274	A	3.7	274	A	3.6	274	A	4.7	274	C	23.7	4744	C	39.9	466610	C	39.6	466610	C	23.1	4744	C	12.3	
184	A	1.2	214	A	1.2	214	A	1.2	214	A	1.8	214	A	1.7	214	A	2.1	214	C	23.6	4666	C	39.8	466562	C	39.6	466562	C	22.8	4666	C	11.7	
185	A	1.4	192	A	1.5	192	A	1.4	192	A	3.5	193	A	3.3	193	A	4.4	193	C	12.1	490	C	38.3	264223	C	38.2	264223	C	22.8	4314	C	7.9	
186	A	0.4	177	A	0.4	177	A	0.4	177	A	0.7	177	A	0.6	177	A	0.8	177	C	21.3	2695	C	37.2	104026	C	37.2	104026	C	22.	2695	C	18.5	
187	A	1.8	241	A	1.6	241	A	1.7	241	A	2.5	243	A	3.7	241	A	5.4	241	C	27.1	6016	C	38.5	236141	C	38.3	236141	C	27.9	6016	C	24.1	
188	A	1.1	203	A	1.1	203	A	1.1	203	A	1.6	203	A	1.5	203	A	1.9	203	C	11.3	479	C	31.9	234237	C	31.8	234237	C	23.5	4550	C	7.8	
189	A	1.3	183	A	1.3	183	A	1.4	183	A	2.1	183	A	2.2	184	A	3.	184	C	11.4	466	C	38.2	234229	C	38.1	234229	C	23.2	4533	C	5.4	
190	C	2.6	290	C	2.7	290	C	2.7	290	C	6.2	319	C	6.	248	C	6.2	319	C	33.1	47128	C	40.3	470970	C	40.1	470970	C	32.6	47128	C	30.7	
191	C	16.8	711	C	9.3	3646	A	5.6	306	A	6.3	504	A	6.3	504	A	6.3	504	C	24.2	4884	C	39.5	352058	C	39.2	352058	C	23.7	4866	C	11.6	
192	A	1.4	255	A	1.5	255	A	1.4	255	A	2.1	255	A	2.	255	A	2.3	255	C	23.8	4859	C	39.1	352033	C	38.9	352033	C	23.	4841	C	7.3	
193	A	0.6	192	A	0.7	192	A	0.7	192	A	1.	192	A	0.9	192	A	1.	192	A	2.6	202	A	2.6	202	A	2.6	202	A	3.8	202	F	0	
194	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
195	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.2	35	A	0.2	35	A	0.1	35	A	0.1	35	A	0.1	
196	A	5.1	37	A	5.1	37	A	5.1	37	A	2.1	58	A	2.1	58	A	2.6	58	A	0.4	58	A	0.4	58	A	0.4	58	A	0.3	58	A	0.3	
197	A	2.	66	A	2.2	66	A	2.1	66	A	4.9	93	A	4.8	93	A	6.1	93	A	0.6	93	A	0.6	93	A	0.6	93	A	0.5	93	A	2.2	
198	A	3.4	47	A	3.6	47	A	3.5	47	A	2.9	58	A	2.8	58	A	3.7	58	A	0.5	58	A	0.5	58	A	0.4	58	A	0.3	58	A	0.4	
199	A	5.1	49	A	5.1	49	A	5.1	49	A	2.	53	A	1.9	53	A	2.5	53	A	0.4	53	A	0.4	53	A	0.4	53	A	0.3	53	A	0.3	
200	A	0.8	100	A	0.9	100	A	0.9	100	A	1.2	101	A	1.2	101	A	1.6	101	A	0.5	101	A	0.5	101	A	0.5	101	A	0.4	101	A	0.4	

Table 94 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8	
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu
201	A	3.	87	A	3.8	87	A	3.8	87	B	6.5	569	B	6.3	569	B	11.	569	B	6.5	971	B	6.5	971	B	6.5	971	B	3.9	569	B	3.
202	A	1.6	67	A	1.8	67	A	1.8	67	A	2.7	143	A	2.6	143	A	3.7	143	A	0.9	143	A	1.	143	A	0.9	143	A	0.7	143	A	0.7
203	A	1.2	39	A	1.3	39	A	1.2	39	A	1.5	53	A	1.5	53	A	2.3	53	A	0.3	53	A	0.3	53	A	0.3	53	A	0.2	53	A	0.2
204	A	0.	49	A	0.	49	A	0.	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1
205	A	0.2	34	A	0.3	34	A	0.3	34	A	0.4	34	A	0.4	34	A	0.5	34	A	0.5	34	A	0.5	34	A	0.4	34	A	0.3	34	A	0.3
206	A	1.1	49	A	1.2	49	A	1.2	49	A	2.3	53	A	2.2	53	A	3.2	53	A	0.4	53	A	0.4	53	A	0.4	53	A	0.3	53	A	0.3
207	A	1.	51	A	1.	51	A	1.	51	A	3.2	61	A	3.	61	A	4.6	61	A	0.9	61	A	1.	61	A	0.9	61	A	0.8	61	A	0.6
208	C	0.8	53	C	0.8	53	C	0.8	53	A	2.7	136	A	2.5	136	A	3.4	136	A	1.1	136	A	1.1	136	A	1.	136	A	0.9	136	A	0.8
209	A	1.2	49	A	1.3	49	A	1.2	49	A	3.	94	A	3.	94	A	4.2	94	A	0.8	94	A	0.9	94	A	0.8	94	A	0.7	94	A	0.6
210	A	3.4	54	A	3.7	54	A	3.7	54	A	7.2	95	A	7.1	95	A	9.8	95	A	1.3	95	A	1.4	95	A	1.3	95	A	1.1	95	A	1.
211	A	1.1	176	A	1.2	176	A	1.2	176	A	3.	129	A	2.9	129	A	3.5	129	A	2.3	129	A	1.9	129	A	1.9	129	A	1.7	129	A	1.2
212	A	0.6	68	A	0.7	68	A	0.6	68	A	1.7	68	A	1.7	68	A	2.3	68	A	0.5	68	A	0.5	68	A	0.5	68	A	0.4	68	A	0.4
213	A	0.8	112	A	0.9	112	A	0.8	112	A	2.4	100	A	2.3	100	A	3.2	100	A	1.4	100	A	1.2	100	A	1.2	100	A	0.9	100	A	0.7
214	A	2.	103	A	2.1	103	A	2.1	103	A	5.6	115	A	5.5	115	A	7.2	115	A	1.4	115	A	1.4	115	A	1.3	115	A	1.2	115	A	1.
215	A	1.5	133	A	1.5	133	A	1.5	133	A	4.9	169	A	4.7	169	A	5.8	169	A	3.7	169	A	3.5	169	A	3.1	169	A	2.8	169	A	1.2
216	A	1.4	43	A	1.5	43	A	1.5	43	B	4.6	90	B	4.3	90	B	6.	90	B	0.8	90	B	0.9	90	B	0.8	90	B	0.7	90	B	0.5
217	A	3.8	105	A	4.1	105	A	4.	105	A	11.2	128	A	11.2	128	A	11.3	128	A	1.9	128	A	2.	128	A	1.8	128	A	1.6	128	A	1.2
218	A	0.7	44	A	0.7	44	A	0.7	44	A	1.7	64	A	1.6	64	A	2.2	64	A	0.4	64	A	0.4	64	A	0.4	64	A	0.3	64	A	0.2
219	A	0.7	78	A	0.7	78	A	0.7	78	A	1.9	73	A	1.8	73	A	2.7	73	A	0.6	73	A	0.6	73	A	0.6	73	A	0.4	73	A	0.5
220	A	1.	66	A	1.1	66	A	1.1	66	A	2.8	89	A	2.7	89	A	3.8	89	A	0.7	89	A	0.7	89	A	0.7	89	A	0.6	89	A	0.4
221	A	2.4	127	A	2.6	127	A	2.5	127	A	7.1	151	A	6.9	151	A	9.3	151	A	1.9	151	A	1.9	151	A	1.8	151	A	1.6	151	A	1.3
222	A	2.	90	A	2.1	90	A	2.	90	A	5.1	106	A	5.	106	A	6.7	106	A	1.2	106	A	1.2	106	A	1.1	106	A	0.9	106	A	0.7
223	A	0.8	52	A	0.8	52	A	0.8	52	B	17.4	133	B	16.7	133	B	11.1	133	B	14.5	177	B	14.5	177	B	13.2	177	B	12.7	177	F	0
224	A	0.4	66	A	0.4	66	A	0.4	66	B	2.1	175	B	1.9	175	B	2.2	175	B	1.9	175	B	1.9	175	B	1.9	184	B	1.4	269	B	1.3
225	A	2.8	111	A	3.	111	A	3.	111	B	8.5	733	B	8.1	733	B	10.8	1225	B	6.7	1225	B	6.7	1225	B	6.7	1225	B	6.7	1145	B	3.6
226	A	0.6	107	A	0.7	107	A	0.7	107	B	4.2	219	B	4.	219	B	4.4	219	B	4.2	219	B	4.2	219	B	2.9	230	A	2.4	192	A	3.1
227	A	0.5	122	A	0.5	122	A	0.5	122	A	1.4	206	A	1.3	206	A	1.6	206	A	1.5	206	A	1.5	206	A	1.4	206	A	0.8	163	A	1.
228	A	5.5	418	A	5.6	418	A	5.4	418	B	8.6	5726	B	8.3	5726	B	8.9	5726	B	7.6	5726	B	7.6	5726	B	7.5	5726	B	7.4	5747	B	7.4
229	A	3.9	238	A	4.2	238	A	4.	238	A	3.3	329	A	3.	329	A	3.9	329	A	4.5	329	A	4.6	329	A	4.3	329	A	4.	329	A	4.3
230	A	0.7	135	A	0.7	135	A	0.7	135	B	4.5	376	B	4.3	376	B	5.	376	B	6.4	376	B	6.3	376	B	6.6	482	A	1.8	238	A	2.1
231	A	1.2	248	A	1.3	248	A	1.3	248	A	1.9	272	A	1.8	272	A	2.2	272	A	2.4	272	A	2.5	272	A	2.3	272	A	2.	272	A	2.6
232	A	1.5	92	A	1.5	92	A	1.4	92	A	5.8	168	A	5.4	168	A	6.3	179	A	5.3	246	A	5.	246	B	8.8	450	B	8.6	450	B	6.2
233	A	0.3	46	A	0.3	46	A	0.2	46	A	1.4	71	A	1.4	71	A	1.8	71	B	2.2	129	B	2.4	129	B	2.4	223	B	2.2	223	B	2.
234	A	1.1	203	A	1.1	203	A	1.1	203	A	2.2	275	A	2.1	275	A	2.6	275	A	2.9	275	A	3.1	275	A	2.8	275	A	2.7	275	A	2.8

Table 94 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
235	A	2.2	266	A	2.4	266	A	2.3	266	A	3.3	324	A	3.	324	A	4.3	324	A	4.6	324	A	5.1	324	A	4.4	324	A	4.	324	A	4.3	
236	A	1.	98	A	1.	98	A	1.	98	B	4.4	189	B	4.2	189	B	4.9	189	B	7.5	240	B	7.	240	B	8.5	499	B	8.3	499	B	7.8	
237	C	0.9	143	C	1.1	143	C	1.	143	A	6.9	371	A	6.5	371	A	7.1	371	B	9.6	863	B	9.7	863	B	9.5	863	B	9.4	863	A	8.9	
238	A	3.3	236	A	3.2	236	A	3.3	236	B	6.5	559	B	6.2	559	B	7.9	559	B	10.7	559	B	10.6	559	B	13.3	839	B	11.5	739	B	6.8	
239	A	2.1	235	A	2.2	235	A	2.3	235	A	4.9	240	A	4.6	240	A	5.2	240	A	6.4	240	A	6.2	240	A	7.7	331	A	6.5	329	A	5.	
240	B	7.1	1609	B	7.2	1609	B	7.2	1609	B	13.	849	B	12.5	849	B	14.9	900	B	16.3	849	B	16.6	849	B	17.6	1010	B	14.	887	B	12.7	
241	A	3.5	335	A	3.7	335	A	3.7	335	B	7.9	549	B	7.6	549	B	9.4	549	B	12.4	549	B	11.8	549	B	11.5	554	B	9.7	554	B	6.2	
242	A	0.9	198	A	1.	198	A	0.9	198	A	4.1	249	A	3.8	249	A	4.6	249	A	6.2	249	A	5.9	249	A	5.9	331	A	6.2	331	A	5.1	
243	B	6.7	1047	B	6.7	1047	B	6.7	1047	A	6.6	278	A	6.5	278	A	7.1	278	A	8.3	278	A	7.7	278	B	9.1	567	B	7.1	360	B	4.2	
244	A	5.3	436	A	5.6	436	A	5.6	436	B	9.9	928	B	9.9	928	B	11.2	920	B	10.	928	B	10.	928	B	10.3	1014	B	8.9	1012	B	8.7	
245	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
246	A	1.1	111	A	1.2	111	A	1.1	111	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
247	A	0.7	78	A	0.8	78	A	0.7	78	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
248	A	2.2	215	A	2.3	215	A	2.3	215	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
249	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
250	A	0.	59	A	0.	59	A	0.	59	A	0.1	59	A	0.	59	A	0.1	59	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	
251	C	3.4	243	C	3.5	243	C	3.4	243	C	5.	243	C	4.5	243	C	5.4	243	C	6.4	854	C	6.4	854	C	6.4	854	C	6.1	262	C	5.4	
252	C	0.5	126	C	0.5	126	C	0.5	126	C	0.8	126	C	0.7	126	C	0.9	126	A	3.1	250	A	3.2	250	A	3.	250	A	0.7	229	A	0.6	
253	A	6.9	840	A	6.9	840	A	6.9	840	A	7.3	840	A	7.2	840	A	8.1	840	C	7.6	6824	C	7.7	6824	C	7.6	6824	C	6.8	435	C	6.8	
254	C	3.8	327	C	3.8	327	C	3.5	327	C	5.5	327	C	4.9	327	C	6.4	327	C	6.6	2013	C	6.6	2013	C	6.6	2013	C	3.4	292	C	2.8	
255	A	1.5	194	A	1.6	194	A	1.5	194	A	2.3	194	A	2.1	194	A	3.1	194	A	5.4	352	A	5.7	352	A	5.3	352	A	2.2	193	A	1.9	
256	A	2.2	247	A	2.3	247	A	2.3	247	A	3.4	247	A	3.2	247	A	4.2	247	B	7.4	666	B	7.4	666	B	7.4	666	A	5.	260	A	4.	
257	A	0.3	168	A	0.3	168	A	0.3	168	A	0.5	168	A	0.5	168	A	0.6	168	C	32.6	302346	C	32.7	302346	C	32.5	302346	A	0.3	168	A	0.3	
258	A	3.3	333	A	3.5	333	A	3.5	333	A	5.2	333	A	5.	333	A	6.6	333	C	38.5	576860	C	38.8	576860	C	38.4	576860	A	4.9	234	A	4.2	
259	A	0.1	101	A	0.1	101	A	0.1	101	A	0.2	101	A	0.1	101	A	0.2	101	A	0.5	158	A	0.5	158	A	0.5	158	A	0.2	101	A	0.2	
260	C	0.2	115	C	0.2	115	C	0.2	115	C	0.3	115	C	0.3	115	C	0.3	115	B	6.8	640	B	6.8	640	B	6.7	640	A	2.3	182	A	1.7	
261	A	0.2	167	A	0.3	167	A	0.2	167	A	0.4	167	A	0.4	167	A	0.5	167	C	31.	79064	C	31.	79064	C	30.9	79064	A	2.8	313	A	2.6	
262	A	7.3	773	A	7.6	773	A	7.5	773	A	8.3	773	A	8.2	773	A	9.5	773	C	38.	677340	C	38.3	677340	C	38.	677340	A	5.	538	A	3.9	
263	A	1.3	189	A	1.5	189	A	1.4	189	A	2.1	189	A	1.9	189	A	2.2	189	A	6.1	307	A	6.2	307	A	5.8	307	A	0.9	235	A	0.9	
264	A	0.2	135	A	0.2	135	A	0.2	135	A	0.2	135	A	0.2	135	A	0.3	135	A	5.3	207	A	5.4	207	A	5.8	301	A	1.7	300	A	1.5	
265	A	5.2	387	A	5.5	387	A	5.2	387	A	6.3	670	A	6.3	670	A	6.3	670	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
266	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
267	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	
268	A	0.7	163	A	0.7	163	A	0.7	163	A	0.9	163	A	0.9	163	A	1.1	163	B	6.5	519	B	6.5	519	B	6.5	519	A	3.2	207	A	2.9	

Table 94 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
269	A 1.3 231	A 1.4 231	A 1.4 231	A 2. 231	A 1.8 231	A 2. 231	A 3.2 219	A 3.4 219	A 3.1 219	A 1.3 219	F 0

## 2.93 4\_Trig\_functions\4.2aTangent\4.2.3.1(a+btan)^m(c+dtan)^n(A+Btan)

Table 95: Breakdown of results for each integral

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	
1	A	0.6	97	A	0.7	97	A	0.7	86	A	0.9	86	A	0.8	86	A	1.2	86	A	0.1	132	A	0.1	132	A	0.1	132	A	0.1	132	A
2	C	0.	68	C	0.	68	C	0.	97	C	0.2	84	C	0.2	84	C	0.3	84	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A
3	A	0.5	54	A	0.5	54	A	0.5	54	B	3.8	202	B	3.4	202	B	4.8	202	B	3.7	202	B	3.7	202	B	3.5	202	B	1.7	176	A
4	A	0.7	75	A	0.8	75	A	0.7	75	B	9.5	1010	B	9.2	1010	B	10.4	1010	B	6.5	1010	B	6.5	1010	B	6.5	1010	B	6.5	901	A
5	A	1.2	120	A	1.1	120	A	1.1	120	B	9.4	542	B	9.2	937	B	10.	937	B	6.6	937	B	6.6	937	B	6.6	937	B	4.1	613	E
6	A	2.2	150	A	2.5	150	A	2.3	150	B	10.3	1009	B	10.	1009	B	11.5	1009	B	6.8	1009	B	6.9	1009	B	6.8	1009	B	6.8	944	E
7	A	1.3	137	A	1.4	137	A	1.3	137	B	7.4	898	B	7.3	898	B	7.5	898	B	6.4	898	B	6.4	898	B	6.4	898	A	5.3	217	A
8	C	0.8	98	C	0.9	98	C	0.9	98	B	3.3	225	B	3.	225	B	4.4	225	B	4.2	225	B	4.4	225	B	5.	235	B	6.	374	E
9	C	1.2	114	C	1.3	114	C	1.2	114	B	7.6	1062	B	7.5	1062	B	8.	1062	B	6.5	1062	B	6.5	1062	B	6.5	1062	B	6.4	894	E
10	A	1.1	270	A	1.2	270	A	1.2	270	B	7.3	1251	B	7.2	1251	B	7.5	1251	B	6.3	1251	B	6.3	1251	B	6.3	1251	B	6.3	1251	E
11	A	0.7	147	A	0.7	147	A	0.7	147	A	1.2	147	A	1.1	147	A	2.	147	A	1.4	147	A	1.5	147	A	1.3	147	A	0.9	147	A
12	A	0.5	92	A	0.5	92	A	0.5	92	A	1.7	132	A	1.6	132	A	2.3	176	A	1.2	132	A	1.2	132	A	1.	132	A	1.	132	A
13	A	0.2	75	A	0.2	75	A	0.2	75	A	1.3	87	A	1.2	87	A	1.9	87	A	1.3	87	A	1.2	87	A	1.	87	A	1.5	133	A
14	A	1.9	138	A	2.	138	A	2.	138	A	3.7	230	A	3.4	230	A	4.8	230	B	5.6	388	B	5.1	388	B	4.3	388	B	4.1	388	E
15	A	0.7	114	A	0.7	114	A	0.7	114	A	4.3	204	A	4.	204	A	5.2	204	A	5.1	204	A	4.3	204	A	3.9	204	A	3.6	204	A
16	A	2.1	151	A	2.3	151	A	2.2	151	A	6.1	284	A	5.8	284	A	8.3	284	A	6.9	428	A	6.9	428	A	5.9	284	A	5.3	284	A
17	A	0.6	116	A	0.6	116	A	0.5	116	A	3.6	236	A	3.3	236	A	4.7	236	A	4.7	236	A	4.5	236	A	4.	236	A	3.5	236	A
18	C	0.4	76	C	0.5	76	C	0.4	76	A	2.6	143	A	2.5	143	A	3.2	143	A	3.1	143	A	3.	143	A	2.4	154	A	2.6	154	A
19	A	2.2	168	A	2.4	168	A	2.3	168	A	5.2	259	A	5.	259	A	6.1	259	A	8.4	417	A	8.	417	A	7.3	417	A	7.8	417	F
20	C	1.9	162	C	2.	162	C	1.9	162	A	6.	191	A	5.6	191	A	6.9	218	A	6.1	191	A	6.1	191	A	5.6	191	A	7.4	499	A
21	A	5.3	298	A	5.6	298	A	5.5	298	A	10.	317	A	9.3	317	A	11.8	317	B	9.8	839	B	9.8	839	B	9.5	839	B	9.1	839	F
22	A	0.5	55	A	0.5	55	A	0.5	55	A	2.	92	A	1.9	92	A	2.3	92	A	1.4	69	A	1.3	69	A	1.2	69	A	1.2	69	E
23	A	2.6	130	A	3.	130	A	3.	130	A	6.9	315	A	6.4	315	A	8.4	315	B	7.7	434	B	7.7	434	B	7.6	434	B	7.4	434	E
24	A	0.9	93	A	1.	93	A	0.9	93	B	5.7	272	B	5.3	272	B	7.	272	A	5.3	155	A	4.9	155	A	4.6	155	A	4.4	155	E
25	A	1.1	86	A	1.2	86	A	1.1	86	A	4.7	96	A	4.3	96	A	5.8	96	A	3.6	75	A	3.4	75	A	3.2	75	A	3.	75	E
26	A	1.3	94	A	1.4	94	A	1.4	94	A	7.5	151	A	7.	151	A	9.1	151	B	7.8	341	B	7.8	341	B	7.6	341	B	7.5	341	E
27	A	1.5	138	A	1.6	138	A	1.6	138	A	3.	248	A	2.8	248	A	3.4	248	A	2.7	248	A	2.7	248	A	2.2	244	A	2.2	244	A
28	A	1.8	176	A	1.9	176	A	1.8	176	A	2.4	241	A	2.1	241	A	2.8	241	A	1.8	241	A	1.8	241	A	1.7	252	A	1.6	252	A
29	A	4.8	254	A	5.1	254	A	2.6	197	A	2.9	254	A	2.8	254	A	3.7	254	A	2.2	254	A	2.4	254	A	2.5	253	A	2.2	253	A
30	A	2.7	183	A	2.9	183	A	2.8	183	A	4.1	274	A	3.8	274	A	5.2	274	A	4.3	241	A	4.1	241	A	3.8	241	A	3.5	241	E

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#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			gra
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	
31	C	1.8	194	C	1.9	194	C	1.9	194	A	3.7	278	A	3.4	278	A	4.8	278	A	3.6	278	A	3.8	278	A	4.	278	A	3.	278	A
32	A	4.9	173	A	5.2	173	A	5.2	173	A	12.1	239	A	11.3	239	A	15.2	239	A	14.1	239	A	14.4	239	A	13.1	239	A	3.6	289	E
33	A	2.3	257	A	2.5	257	A	2.4	257	A	3.9	221	A	3.7	221	A	4.8	221	B	3.9	481	B	3.8	481	B	3.4	481	B	6.9	401	E
34	A	1.9	148	A	2.	148	A	1.9	148	A	5.5	228	A	5.2	228	A	6.3	228	A	5.9	228	A	5.8	228	A	5.3	228	A	5.8	228	F
35	A	2.2	224	A	2.4	224	A	2.3	224	A	8.3	214	A	7.8	214	A	9.3	214	B	9.4	527	B	9.5	527	B	9.2	527	B	9.	527	F
36	A	0.5	186	A	0.5	186	A	0.5	186	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
37	A	3.1	196	A	3.3	196	A	3.	196	C	3.	104	C	2.8	104	C	3.7	124	C	2.7	109	C	2.4	109	C	2.	213	C	1.9	213	C
38	A	0.8	165	A	0.8	165	A	0.8	165	C	1.7	115	C	1.6	115	C	2.1	200	C	1.8	120	C	1.6	120	C	1.4	120	C	1.2	120	C
39	A	0.5	150	A	0.5	150	A	0.6	150	C	1.3	137	C	1.2	137	C	1.5	137	C	1.1	142	C	1.1	142	C	1.	142	C	0.9	142	C
40	A	0.5	198	A	0.5	198	A	0.4	198	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
41	A	0.4	52	A	0.4	52	A	0.4	52	B	2.7	190	B	2.4	190	B	3.1	190	F	0	0	F	0	0	F	0	0	F	0	0	F
42	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
43	A	2.5	189	A	2.7	189	A	2.7	189	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
44	A	0.5	87	A	0.6	87	A	0.6	87	B	33.9	270	B	31.6	270	B	18.1	268	B	25.2	295	B	25.5	295	B	23.3	295	B	22.	295	F
45	A	2.	221	A	2.1	221	A	2.1	221	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
46	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
47	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
48	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
49	C	1.2	172	C	1.3	172	C	1.3	172	C	2.	172	C	1.8	172	C	2.6	172	A	1.8	190	A	2.1	190	A	1.8	190	A	1.3	190	A
50	C	0.3	123	C	0.3	123	C	0.3	123	C	0.4	123	C	0.4	123	C	0.4	123	A	1.8	157	A	1.9	157	A	1.7	157	A	0.8	92	A
51	C	0.3	126	C	0.3	126	C	0.3	126	C	0.5	126	C	0.4	126	C	0.5	126	A	4.4	182	A	4.5	182	A	4.4	182	A	3.8	182	A
52	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.2	66	A	0.2	66	A	0.2	66	A	0.1	66	A
53	C	0.3	113	C	0.3	113	C	0.2	113	C	0.4	113	C	0.3	113	C	0.4	113	A	0.6	70	A	0.6	70	A	0.6	70	A	0.4	70	A
54	C	1.5	140	C	1.5	140	C	1.5	140	C	2.2	140	C	2.	140	C	2.2	140	C	2.1	252	C	2.2	252	C	2.1	252	C	1.3	184	C
55	C	3.2	220	C	3.1	220	C	3.1	220	C	4.7	220	C	4.3	220	C	6.1	220	C	6.7	977	C	6.8	977	C	6.7	977	C	6.7	631	C
56	C	5.4	222	C	5.3	222	C	5.1	222	C	5.	462	C	4.5	462	C	5.	462	C	6.7	998	C	6.7	998	C	6.7	998	C	3.8	335	A
57	C	2.6	188	C	2.6	188	C	2.5	188	C	4.1	188	C	3.6	188	C	4.1	188	C	16.3	587	C	16.7	587	C	16.3	600	C	11.7	600	C
58	C	6.2	465	C	6.3	465	C	6.2	465	C	6.4	465	C	6.3	465	C	6.4	465	C	6.6	1586	C	6.7	1586	C	6.6	1586	C	6.6	1166	C
59	C	0.	30	C	0.	30	C	0.	30	C	0.	30	C	0.	30	C	0.	30	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A
60	C	0.3	108	C	0.3	108	C	0.3	108	C	0.5	108	C	0.4	108	C	0.5	108	A	1.3	102	A	1.4	102	A	0.9	111	A	0.9	111	C
61	C	0.1	67	C	0.2	67	C	0.1	67	C	0.1	67	C	0.1	67	C	0.1	67	C	0.1	67	C	0.1	67	C	0.1	67	C	0.1	43	A
62	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.1	65	A	0.2	65	A	0.2	65	A	0.2	65	A	0.2	65	A
63	A	0.1	120	A	0.1	120	A	0.1	120	A	0.2	120	A	0.2	120	A	0.2	120	A	0.9	155	A	1.	155	A	0.9	155	A	0.3	120	A
64	A	0.4	219	A	0.4	219	A	0.4	219	A	0.6	219	A	0.6	219	A	0.7	219	C	28.3	21769	C	28.4	21769	C	27.6	21769	C	27.1	21769	A

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#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			gra
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	
65	A	0.4	140	A	0.4	140	A	0.4	140	A	0.6	140	A	0.5	140	A	0.6	140	B	6.6	442	B	6.6	442	B	6.6	442	A	0.7	139	A
66	A	3.1	296	A	3.3	296	A	3.3	296	A	4.9	296	A	4.5	296	A	5.2	296	B	7.3	622	B	7.4	622	B	7.3	622	B	7.3	622	B
67	A	1.1	258	A	1.2	258	A	1.2	258	A	1.7	258	A	1.6	258	A	2.	258	B	7.	558	B	7.	558	B	7.	558	B	6.9	558	B
68	A	0.7	233	A	0.8	233	A	0.8	233	A	1.1	233	A	1.1	233	A	1.5	233	B	7.	506	B	7.	506	B	7.	506	A	1.8	170	A
69	A	0.8	177	A	0.8	177	A	0.8	177	A	1.2	177	A	1.1	177	A	1.5	177	C	33.1	36102	C	33.3	36102	C	33.2	36102	C	31.9	36102	C
70	B	0.7	400	B	0.7	400	B	0.7	400	B	1.1	400	B	1.	400	B	1.5	400	C	34.2	205129	C	34.4	205129	C	34.1	205129	C	32.2	37767	C
71	B	1.6	448	B	1.7	448	B	1.6	448	B	2.5	448	B	2.4	448	B	2.8	448	C	33.3	39536	C	34.3	222720	C	34.	222720	C	32.6	39536	C
72	C	44.8	42279	C	43.4	42279	A	6.4	622	A	6.5	622	A	6.5	622	A	6.5	622	C	35.2	258206	C	35.4	258206	C	35.	258206	C	34.	43365	C
73	C	0.2	157	C	0.2	157	C	0.2	157	C	0.3	157	C	0.3	157	C	0.3	157	C	1.5	120	C	1.6	120	C	1.5	155	C	23.4	4642	C
74	A	2.7	170	A	2.8	170	A	2.8	170	A	4.4	170	A	4.1	170	A	5.3	170	A	6.6	383	A	6.6	383	A	6.6	383	A	6.6	383	A
75	A	1.1	139	A	1.1	139	A	1.1	139	A	1.7	139	A	1.5	139	A	1.9	139	A	5.2	254	A	5.4	254	A	5.	254	A	5.	254	A
76	A	2.1	201	A	2.1	201	A	2.1	201	A	3.1	201	A	2.8	201	A	3.2	201	C	29.7	17098	C	29.7	17098	C	29.8	17098	C	29.6	15989	C
77	A	0.9	229	A	1.	229	A	1.	229	A	1.5	229	A	1.4	229	A	1.5	229	A	5.8	197	A	6.1	197	A	5.4	218	A	5.4	218	A
78	A	3.5	306	A	3.6	306	A	3.6	306	A	5.4	306	A	5.	306	A	5.6	306	C	35.5	234114	C	35.7	234114	C	35.3	234114	C	34.2	38520	C
79	A	0.8	166	A	0.8	166	A	0.5	166	A	1.3	166	A	1.2	166	A	1.4	166	C	6.5	17418	C	29.5	17418	C	28.7	17418	C	6.5	17418	C
80	A	0.	45	A	0.	45	A	0.	45	A	0.1	45	A	0.	45	A	0.1	45	A	0.2	45	A	0.2	45	A	0.2	45	A	0.1	45	A
81	C	0.4	61	C	0.5	61	C	0.5	61	C	0.2	69	C	0.2	69	C	0.2	69	C	0.2	69	C	0.2	69	C	0.2	69	C	0.2	69	C
82	C	0.4	119	C	0.4	119	C	0.4	119	C	0.6	119	C	0.5	119	C	0.6	119	A	2.3	226	A	2.5	226	A	2.3	226	A	2.2	265	A
83	C	0.5	119	C	0.5	119	C	0.5	119	C	0.8	119	C	0.7	119	C	0.9	119	A	2.1	240	A	2.2	240	A	2.3	232	A	4.4	265	A
84	C	2.3	221	C	2.4	221	C	2.4	221	C	3.7	221	C	3.5	221	C	4.3	221	A	7.1	615	A	7.2	615	A	7.1	615	A	10.9	418	A
85	A	0.3	194	A	0.3	194	A	0.3	194	A	0.5	194	A	0.4	194	A	0.5	194	A	3.8	286	A	3.9	286	A	3.7	286	A	0.4	228	A
86	C	1.7	275	C	1.6	275	C	1.6	275	C	2.4	275	C	2.2	275	C	2.4	275	C	7.2	882	C	7.3	882	C	7.2	892	A	3.4	396	A
87	C	4.6	372	C	4.7	372	C	4.8	372	C	6.3	690	C	6.3	690	C	6.4	690	C	7.3	1007	C	7.4	1007	C	7.3	1017	A	7.8	601	A
88	C	5.7	341	C	6.	341	C	5.9	341	C	6.3	585	C	6.3	585	C	6.3	585	C	7.7	1043	C	8.	1043	C	7.7	1053	A	7.6	623	A
89	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.2	110	A	0.2	110	A	0.2	110	A	0.1	110	A
90	A	1.1	194	A	1.2	194	A	1.1	194	A	1.7	194	A	1.5	194	A	2.4	194	C	24.	4932	C	40.2	466453	C	40.	466453	A	2.6	187	A
91	A	2.6	265	A	2.7	265	A	2.8	265	A	4.1	265	A	3.8	265	A	4.3	265	C	23.5	5051	C	33.9	466576	C	33.7	466576	A	6.2	305	A
92	A	0.8	243	A	0.7	243	A	0.7	243	A	1.1	243	A	1.	243	A	1.2	243	C	34.3	96488	C	43.6	996999	C	43.1	996999	A	0.5	215	A
93	A	2.8	416	A	2.8	416	A	2.8	416	C	39.3	121803	C	39.1	121803	C	39.1	121803	C	33.9	86483	C	42.8	876245	C	42.4	876245	A	0.9	208	A
94	A	2.	286	A	2.1	286	A	2.2	286	A	3.2	286	A	2.4	286	A	2.8	286	C	25.6	5302	C	42.1	699239	C	41.7	699239	A	2.9	220	A
95	C	31.9	5725	C	32.5	5725	A	6.7	543	A	7.	543	A	7.	543	A	7.1	543	C	27.5	5725	C	44.7	932120	C	44.1	932120	A	6.7	437	A
96	A	0.4	172	A	0.4	172	A	0.4	172	A	0.6	172	A	0.5	172	A	0.7	172	C	23.6	4442	C	38.9	234262	C	38.7	234262	A	1.2	168	A
97	A	2.1	308	A	2.2	308	A	2.2	308	A	3.2	308	A	3.	308	A	3.3	308	C	25.9	5635	C	42.	699566	C	41.7	699566	A	3.2	228	A
98	A	1.7	273	A	1.8	273	A	1.8	273	A	2.7	273	A	2.6	273	A	2.9	273	C	24.7	5654	C	35.5	699589	C	35.2	699589	A	3.4	233	A

Table 95 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			gra
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	
99	A	0.8	347	A	0.8	347	A	0.8	347	A	1.1	347	A	1.1	347	A	1.4	347	A	20.6	634	A	20.9	634	A	19.9	634	B	1.4	1121	E
100	A	0.2	305	A	0.2	305	A	0.2	305	A	0.2	305	A	0.2	305	A	0.4	305	A	13.4	639	A	13.5	639	A	13.	639	A	0.3	604	A
101	A	0.3	108	A	0.4	108	A	0.4	108	A	0.5	108	A	0.5	108	A	0.5	108	A	0.9	112	A	0.9	112	A	0.9	112	A	0.8	112	A
102	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
103	A	3.7	384	A	4.	384	A	4.	384	A	6.	384	A	5.9	384	A	5.8	384	F	0	0	F	0	0	F	0	0	F	0	0	F
104	C	2.2	113	C	2.4	113	C	2.3	113	A	8.7	132	A	8.2	132	A	10.7	132	A	4.9	140	A	4.6	140	A	4.2	140	A	4.1	140	E
105	A	3.8	132	A	4.2	132	A	4.1	132	A	15.6	298	A	14.8	298	B	16.8	494	B	7.3	433	B	7.3	433	B	7.2	433	B	7.1	433	E
106	A	1.6	159	A	1.7	159	A	1.7	159	A	2.7	223	A	2.5	223	A	2.9	223	A	1.7	223	A	1.7	223	A	1.6	223	A	1.7	223	A
107	A	2.6	198	A	2.8	198	A	2.7	198	A	2.5	243	A	2.2	243	A	2.9	243	A	1.8	243	A	1.8	243	A	1.7	255	A	1.6	255	A
108	A	3.6	248	A	3.9	248	A	3.9	248	A	4.1	284	A	3.8	284	A	5.4	284	A	3.9	284	A	4.8	284	A	3.9	284	A	3.2	284	A
109	A	3.5	196	A	3.7	196	A	3.8	196	A	4.4	272	A	4.	272	A	5.9	272	A	4.1	260	A	4.	260	A	3.7	260	A	3.4	260	E
110	A	4.4	242	A	4.8	242	A	4.6	242	A	5.2	280	A	4.9	280	A	6.5	280	A	3.1	280	A	3.3	280	A	4.	279	A	3.2	279	A
111	A	5.7	301	A	6.3	301	A	6.1	301	A	5.1	286	A	4.7	286	A	6.	286	A	4.4	286	A	4.	286	A	3.6	286	A	5.3	297	A
112	A	5.3	280	A	5.8	280	A	5.6	280	A	8.	360	A	7.5	360	A	9.2	360	B	8.9	485	B	9.	485	A	8.3	360	A	6.9	360	E
113	A	10.4	332	A	11.3	332	B	8.8	524	A	11.3	332	A	10.6	332	A	14.1	491	A	7.4	463	A	7.5	463	A	7.3	463	A	7.1	463	E
114	A	2.9	121	A	3.	121	A	2.9	121	A	3.8	165	A	3.6	165	A	4.5	165	A	2.7	165	A	2.6	165	A	2.3	165	A	2.	135	E
115	A	4.6	224	A	4.9	224	A	4.7	224	A	8.3	169	A	7.9	169	A	9.9	169	A	8.	219	B	8.2	529	A	7.4	219	A	6.3	214	E
116	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
117	A	0.6	198	A	0.6	198	A	0.6	198	A	1.	198	A	0.9	198	A	1.1	198	A	1.1	211	A	1.1	211	A	1.	211	A	1.3	211	C
118	A	2.2	326	A	2.5	326	A	2.4	326	A	3.7	326	A	3.5	326	A	4.4	326	A	7.	562	A	7.1	562	A	7.	562	A	9.7	381	C
119	A	1.6	342	A	1.7	342	A	1.7	342	A	2.6	342	A	2.5	342	A	2.9	342	C	7.1	810	C	7.1	810	C	7.1	810	A	3.6	338	C
120	A	6.4	617	A	6.4	617	A	6.4	617	A	6.5	602	A	6.5	602	A	6.6	602	C	8.1	1038	C	8.2	1038	C	8.	1038	A	7.9	623	C
121	A	1.4	216	A	1.4	216	A	1.3	216	A	2.	216	A	1.7	216	A	2.	216	C	22.6	4756	C	33.2	466160	C	33.	466160	C	23.1	4756	C
122	A	0.3	189	A	0.3	189	A	0.3	189	A	0.5	189	A	0.7	188	A	1.	188	C	23.5	4716	C	39.7	466138	C	39.4	466138	C	22.7	4716	C
123	A	3.2	356	A	3.3	356	A	3.3	356	A	5.	356	A	4.7	356	A	5.7	356	C	33.7	73529	C	42.4	819248	C	42.	819248	C	33.1	73529	C
124	A	1.6	266	A	1.6	266	A	1.6	266	C	32.	114092	C	31.9	114092	C	31.9	114092	C	32.5	74118	C	35.6	825845	C	35.3	825845	C	33.2	74118	C
125	A	1.1	193	A	1.1	193	A	1.1	193	A	1.6	193	A	1.5	193	A	2.2	193	C	22.2	4447	C	32.2	234075	C	32.1	234075	C	23.4	4429	C
126	A	1.2	225	A	1.	225	A	1.	225	A	1.5	225	A	1.6	228	A	2.2	228	C	26.9	6452	C	39.2	312252	C	39.	312252	C	27.9	6452	C
127	A	2.7	301	A	2.9	301	A	2.9	301	A	4.2	301	A	4.	301	A	4.6	301	C	24.7	4988	C	40.4	466478	C	40.2	466478	C	24.	4988	C
128	A	1.4	259	A	1.5	259	A	1.6	259	A	2.2	259	A	2.1	259	A	2.5	259	C	24.3	4928	C	39.9	466415	C	39.7	466415	C	23.3	4928	C
129	A	0.1	145	A	0.2	145	A	0.1	145	A	0.2	145	A	0.2	145	A	0.3	145	C	6.5	431	C	31.8	263756	C	31.7	263756	C	21.9	4115	C
130	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
131	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
132	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F



Table 95 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			gra
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	
133	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
134	A	1.4	44	A	1.8	44	A	1.8	44	A	2.1	62	A	1.9	62	A	2.6	62	A	0.6	62	A	0.6	62	A	0.6	62	A	0.5	62	A
135	A	1.	41	A	1.1	41	A	1.1	41	B	3.3	124	B	3.	124	B	4.4	124	B	1.9	124	B	2.	124	B	1.8	124	B	1.5	124	B
136	A	1.4	89	A	1.4	89	A	1.4	89	A	7.4	146	A	6.8	146	A	9.5	146	A	5.1	146	A	5.	146	A	4.8	146	A	4.5	146	A
137	A	3.6	84	A	5.4	84	A	5.3	84	B	5.6	418	B	5.3	418	B	8.	418	B	6.2	418	B	6.2	418	B	5.8	418	B	1.6	443	B
138	A	2.3	56	A	2.9	56	A	2.9	56	B	3.7	184	B	3.3	184	B	5.2	184	B	1.2	184	B	1.2	184	B	1.1	184	A	0.8	128	A
139	A	5.2	62	A	5.3	62	A	5.2	62	A	4.3	116	A	4.	116	A	6.5	116	A	1.5	116	A	1.5	116	A	1.4	116	A	1.2	116	A
140	A	2.6	74	A	3.2	74	A	3.2	74	A	4.9	167	A	4.5	167	A	6.6	167	A	1.7	167	A	1.7	167	A	1.6	167	A	1.4	167	A
141	A	4.4	84	A	4.6	84	A	4.4	84	A	11.1	182	A	10.5	182	A	12.7	182	A	5.1	182	A	5.2	182	A	4.9	182	A	4.4	182	A
142	A	2.7	83	A	2.9	83	A	2.8	83	A	3.9	184	A	3.7	184	A	4.9	184	A	2.9	184	A	3.	184	A	2.8	184	B	3.1	193	B
143	A	0.2	56	A	0.2	56	A	0.2	56	B	0.6	102	B	0.5	102	B	0.7	102	B	0.5	102	B	0.5	102	B	0.5	102	B	0.3	102	A
144	A	3.3	149	A	4.	149	A	4.	149	A	2.6	203	A	2.4	203	A	3.3	203	A	1.3	203	A	1.3	203	A	1.3	203	A	1.	203	A
145	A	5.4	92	A	5.4	92	A	5.4	92	B	7.5	413	B	7.	413	B	11.3	1023	B	6.4	1023	B	6.4	1023	B	6.3	1023	B	3.3	411	B
146	A	4.2	172	A	5.7	172	A	5.7	172	A	2.8	217	A	2.6	217	A	3.6	217	A	1.	217	A	1.2	217	A	1.	217	A	0.8	217	A
147	A	5.5	77	A	5.5	77	A	5.5	77	A	12.	118	A	11.9	118	A	12.3	118	A	3.3	118	A	3.4	118	A	3.2	118	A	2.9	118	A
148	A	5.6	79	A	5.7	79	A	5.7	79	A	13.3	122	A	13.1	122	A	13.7	122	A	5.2	122	A	5.4	122	A	5.	122	A	4.7	122	A
149	A	2.9	128	A	3.2	128	A	3.	128	A	9.4	130	A	8.9	130	A	13.5	130	A	5.5	130	A	5.7	130	A	4.9	139	A	4.	139	A
150	A	5.5	148	A	6.	148	A	5.9	148	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
151	A	3.7	134	A	3.9	134	A	3.9	134	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
152	A	2.3	108	A	2.4	108	A	2.4	108	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
153	C	6.6	161	C	6.7	161	A	6.1	193	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
154	A	6.1	174	A	6.1	174	A	6.	174	A	8.3	227	A	7.7	227	A	11.	227	A	2.2	227	A	2.3	227	A	2.1	227	A	2.	227	A
155	A	5.9	174	A	5.9	174	A	5.9	174	A	6.3	224	A	6.	224	A	8.6	224	A	2.1	224	A	2.2	224	A	2.	224	A	1.8	224	A
156	A	3.2	211	A	3.3	211	A	3.2	211	A	6.2	181	A	5.7	181	A	8.1	181	A	4.9	181	A	4.5	181	A	4.1	181	A	3.5	181	A
157	C	4.3	191	C	4.7	191	C	4.6	191	A	8.7	206	A	8.3	206	A	12.5	206	A	6.	206	A	5.8	206	A	5.2	206	A	3.8	206	A
158	A	5.2	171	A	5.9	171	A	5.3	171	A	10.5	257	A	10.	257	A	12.6	257	A	3.8	257	A	3.5	257	A	3.2	257	A	2.9	257	A
159	A	2.3	110	A	2.6	110	A	2.4	110	A	4.6	127	A	4.4	127	A	6.3	127	A	1.9	127	A	1.8	127	A	1.7	127	A	1.3	127	A
160	A	2.9	81	A	3.1	81	A	3.	81	A	6.1	101	A	5.8	101	A	8.5	101	A	1.3	101	A	1.3	101	A	1.2	101	A	0.9	101	A
161	A	13.3	121	A	13.4	121	A	6.2	113	A	12.1	121	A	12.1	121	A	12.4	121	A	3.4	121	A	3.5	121	A	3.2	121	A	3.1	121	A
162	B	18.6	572	B	19.2	572	A	9.7	241	B	17.5	572	B	17.3	572	B	17.5	572	B	8.3	572	B	8.3	572	B	8.1	572	B	7.9	572	A
163	B	19.2	570	B	19.2	570	A	8.2	249	B	17.8	570	B	17.7	570	B	18.1	570	B	8.6	570	B	8.7	570	B	8.5	570	B	7.8	570	A
164	A	15.2	135	A	15.4	135	A	6.6	130	B	16.8	417	B	16.8	417	B	16.9	417	B	7.4	417	B	7.4	417	B	7.3	417	B	7.1	417	B
165	B	18.8	577	B	18.9	577	A	7.3	178	B	17.4	577	B	17.3	577	B	17.4	577	B	8.1	577	B	8.2	577	B	8.1	577	B	7.9	577	B
166	A	3.1	136	A	3.3	136	A	3.2	136	A	7.1	161	A	6.5	161	A	9.1	161	A	3.8	161	A	3.9	161	A	3.6	161	A	3.2	161	A

Table 95 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	gra
167	A	3.	97	A	3.3	97	A	3.1	97	A	7.3	103	A	6.9	103	A	10.	103	A	1.5	103	A	1.6	103	A	1.5	103	A	1.2	103	A
168	A	3.3	137	A	3.6	137	A	3.5	137	A	7.8	114	A	7.3	114	A	10.3	114	A	3.5	114	A	3.2	114	A	2.9	114	A	2.9	114	A
169	A	6.7	152	A	6.8	152	A	6.1	152	A	12.	170	A	12.	170	A	12.3	170	A	3.2	170	A	3.2	170	A	3.	170	A	2.5	170	A
170	A	6.	152	A	6.6	152	A	5.8	152	A	12.	133	A	11.8	133	A	12.6	133	A	3.6	133	A	3.7	133	A	3.4	133	A	2.8	133	A
171	A	1.2	93	A	1.3	93	A	1.3	93	A	1.9	201	A	1.8	201	A	2.3	201	A	2.3	201	A	2.3	201	A	2.1	201	A	1.3	201	A
172	A	1.5	141	A	1.6	141	A	1.6	141	A	5.6	206	A	5.4	206	A	6.1	206	B	7.2	480	B	7.2	480	B	7.1	480	B	7.	480	A

## 2.94 4\_Trig\_functions\4.2aTangent\4.2.4.2(a+btan)^m(c+dtan)^n(A+Btan+Ctan^2)

Table 96: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.4 110	A 0.4 110	A 0.4 110	A 0.4 110	A 0.4 110	A 0.5 110	A 1.6 142	A 1.6 142	A 1.5 142	A 1.4 142
2	A 0.3 115	A 0.3 115	A 0.3 115	A 0.4 115	A 0.4 115	A 0.4 115	A 0.8 121	A 0.8 121	A 0.8 121	A 0.7 121
3	C 1.1 161	C 1.1 161	C 1.1 161	C 1.7 161	C 1.6 161	C 1.7 161	A 3.2 210	A 3.2 210	A 3.1 210	A 2.8 151
4	C 5.3 352	C 5.8 352	C 5.9 352	C 6.6 383	C 6.5 383	C 6.6 383	B 6.7 1158	B 6.7 1158	B 6.6 1158	A 6.3 589
5	C 0.7 176	C 0.8 176	C 0.8 176	C 1.1 176	C 1.1 176	C 1.3 176	A 2.3 168	A 2.3 168	A 2.2 168	A 2.1 138
6	C 4.1 277	C 4.1 277	C 4.2 277	C 8. 2640	C 7.8 2640	A 9.4 579	C 8.1 2640	C 8.2 2640	C 8. 2640	A 5.4 380
7	C 4.4 457	C 4.7 457	C 4.7 457	A 16.1 1451	A 15.2 1451	A 16.7 1451	A 17.4 1451	A 17.8 1451	A 17.3 1451	A 6.5 1295
8	A 7.9 984	A 7.9 984	A 7.9 984	A 9.1 984	A 8.8 984	B 20.6 1071	C 9.1 8527	C 9.2 8527	C 9. 8527	A 6.4 613
9	A 7.9 912	A 7.9 912	A 7.9 912	A 9.1 912	A 8.9 912	B 21.6 1267	C 9. 7733	C 9.1 7733	C 8.9 7733	A 6.4 683
10	A 6.4 564	A 6.4 564	A 6.4 564	A 6.5 564	A 6.5 564	A 6.5 564	B 14.6 1480	B 14.9 1480	B 14.5 1480	B 6.6 1455
11	A 0.3 194	A 0.4 194	A 0.3 194	A 0.5 194	A 0.4 194	A 0.5 194	C 35.9 262487	C 36.1 262487	C 35.9 262487	A 0.5 204
12	C 6.5 920	C 6.5 920	C 6.5 920	C 6.8 920	C 6.8 920	C 6.9 920	B 11.5 1173	B 11.6 1173	B 11.4 1173	A 6.8 455
13	C 4.9 414	C 5. 414	C 5. 414	C 6.6 502	C 6.6 502	C 6.7 502	B 10. 1262	B 10.1 1262	B 9.9 1262	A 6.6 398
14	A 8.2 1304	A 8.3 1304	A 8.3 1304	A 9.3 1304	A 8.2 1316	C 50.3 1731183	C 50.7 1731183	C 51.2 1731183	C 49.8 1731183	A 8.5 965
15	B 6.9 1664	B 6.9 1664	B 6.9 1664	C 40. 1073629	C 39.2 1073629	C 40.9 1073629	C 44.5 1073629	C 44.4 1073629	C 43.8 1073629	B 7.9 830
16	A 8.4 1261	A 8.5 1261	A 8.4 1261	A 9.9 1261	A 9.4 1261	C 48.9 1631616	C 48.9 1631616	C 49.7 1631616	C 48.4 1631616	A 8.3 975
17	A 7.8 780	A 7.9 780	A 7.8 780	A 9. 780	A 8.7 780	A 10.6 780	C 44.2 933453	C 44.6 933453	C 43.3 933453	A 7.5 756
18	C 7. 802	C 7. 802	C 7. 802	C 47.5 2018669	C 46.3 2018669	C 48.9 2018669	C 55.7 2018669	C 59.8 2018669	C 54.6 2018669	B 9.7 1123
19	C 6.7 641	C 6.8 641	C 6.7 641	C 49.6 2345519	C 48.3 2345519	C 53.2 2345519	C 59. 2345519	C 71.4 4231011	C 70.8 4231011	B 11.2 1371
20	A 7.6 785	A 7.7 785	A 7.6 785	A 8.6 785	A 8.3 785	A 9.4 785	C 43.8 933387	C 43.9 933387	C 43.6 933387	A 7.5 756
21	B 7. 2141	B 7.1 2141	B 7.1 2141	C 39.8 1073499	C 39.2 1073499	C 40.3 1073499	C 44.3 1073499	C 44.7 1073499	C 44. 1073499	B 7.9 830
22	A 3.6 403	A 3.7 403	A 3.5 403	C 35.8 621084	C 35.5 621084	C 35.8 621084	C 38. 621084	C 38.2 621084	C 38.1 621084	A 4.6 489
23	A 3.7 403	A 3.9 403	A 3.9 403	A 6. 403	A 5.7 403	A 6.5 403	C 36.2 415768	C 36. 415768	C 35.8 415768	B 7.5 809
24	A 6.7 903	A 6.8 903	A 6.8 903	A 7. 903	A 6.9 903	A 7.3 903	C 41.1 816231	C 40.9 816231	C 40.7 816231	A 8.6 1124
25	A 5. 308	A 5.2 308	A 5.3 308	A 6.4 505	A 6.4 505	A 6.4 505	F 0 0	F 0 0	F 0 0	A 1.2 256
26	B 6.2 2238	B 6.2 2238	B 6.2 2238	B 6.3 2238	B 6.2 2238	B 6.3 2238	F 0 0	F 0 0	F 0 0	F 0 0

## 2.95 4\_Trig\_functions\4.2aTangent\4.2.7(dtrig)^m(a+b(ctan)^n)^p

Table 97: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.3 53	A 0.3 53	A 0.3 53	A 0.3 53	A 0.2 47
2	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32
3	A 0.1 47	A 0.1 47	A 0.3 56	A 0.4 56	A 0.4 56	A 0.4 56	A 0.2 47	A 0.2 47	A 0.2 47	A 0.2 47	A 0.2 47
4	A 0.5 115	A 0.5 115	A 0.5 115	C 0.1 54	C 0.1 54	C 0.1 54	A 1.9 174	A 1.9 174	A 1.9 174	A 1.8 174	A 1.4 174
5	A 0.2 98	A 0.2 98	A 0.2 98	C 0.1 45	C 0.1 45	C 0.1 45	A 2.5 197	A 2.7 197	A 2.6 197	A 4.7 174	A 0.9 174
6	A 0.1 51	A 0.1 51	A 0.1 51	A 0. 49	A 0. 49	A 0. 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49
7	A 0.1 57	A 0.1 57	A 0.1 57	A 0. 55	A 0. 55	A 0. 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55
8	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32
9	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0. 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0. 46	A 0. 46
10	A 5.5 131	A 5.8 131	A 5.9 131	B 6.1 276	B 6.1 276	B 6.1 276	B 6. 276	B 6.1 276	B 6. 276	B 6. 276	B 6. 276
11	A 0.4 89	A 0.5 89	A 0.4 89	A 0.4 89	A 0.3 89	A 0.4 89	A 0.5 89	A 0.5 89	A 0.5 89	A 0.5 89	A 0.4 89
12	A 0.9 97	A 1. 97	A 1. 97	A 0.7 97	A 0.7 97	A 0.8 97	A 1.1 97	A 1.1 97	A 1.1 97	A 1.1 97	A 1. 97
13	B 6.8 447	B 6.9 447	B 6.9 447	B 6.2 447	B 6.2 447	B 6.2 447	B 6.1 447	B 6.2 447	B 6.2 447	B 6.1 447	B 6.1 447
14	A 2.3 177	A 2.4 177	A 2.4 177	A 3.2 177	A 3. 177	B 6.3 247	B 6.4 247	B 6.4 247	A 2. 141	A 1.9 141	A 1.4 141
15	B 6.5 326	B 6.5 326	B 6.5 326	B 6.3 326	B 6.2 326	B 6.3 326	B 6.4 326	B 6.4 326	A 3. 207	A 2.9 207	A 6.3 207
16	A 0.5 99	A 0.5 99	A 0.5 99	A 0.3 99	A 0.3 99	A 0.3 99	A 0.4 99	A 0.4 99	A 0.4 99	A 0.3 99	A 0.3 99
17	A 0. 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0. 49	A 0. 49
18	A 1. 112	A 1. 112	A 1. 112	A 1. 112	A 0.8 112	A 1.1 112	A 1.5 112	A 1.6 112	A 1.4 112	A 1.1 112	A 1. 112
19	A 3.9 278	A 4.1 278	A 4.1 278	A 5.9 278	A 5.5 278	A 6.5 396	A 6.5 396	A 6.6 396	A 6.8 277	A 6.4 221	A 5. 277
20	A 4. 230	A 4.2 230	A 4.3 230	A 5.9 230	A 5.3 230	A 6.4 336	A 6.5 336	A 6.5 336	A 6.7 225	A 6.1 180	A 5.3 225
21	A 1. 194	A 1. 194	A 1. 194	A 1. 194	A 0.8 194	A 1.3 194	A 1.6 194	A 1.5 194	A 1.4 194	A 1.4 194	A 1. 194
22	C 2.7 330	C 2.7 330	C 2.8 330	C 3.8 330	C 3.7 330	C 4.5 330	C 6.3 771	C 6.3 771	C 6. 330	C 5.8 330	C 4.9 330
23	B 7.7 1012	B 7.7 1012	B 7.8 1012	B 6.9 1022	B 6.8 1022	B 7.1 1022	B 8. 1124	C 35.3 1977	C 35.1 1977	B 7.3 1124	B 23. 1124
24	C 2.3 220	C 2.2 220	C 2.3 220	C 2.8 220	C 2.6 220	C 3.8 220	C 5.9 220	C 5.9 220	C 5.7 220	C 3.6 220	A 3. 220
25	C 1.6 177	C 1.6 177	C 1.7 177	C 1.9 177	C 1.8 177	C 2.2 177	C 3.1 177	C 3.1 177	C 2.9 177	C 2.9 177	C 6.3 177
26	B 2.9 367	B 2.8 367	B 2.8 367	B 3.7 303	B 3.5 303	B 5. 303	B 8. 1101	B 21.4 314	B 21.1 314	B 6.7 1101	B 6.1 314
27	C 3. 282	C 3.1 282	C 3.2 282	C 3. 282	C 2.9 282	C 3.4 282	C 4.9 282	C 5. 282	C 4.7 282	C 3.9 282	C 3.3 282
28	A 1.7 135	A 1.8 135	A 1.7 135	A 1.4 135	A 1.3 135	A 1.6 135	A 2.2 135	A 2.2 135	A 2.1 135	A 1.9 135	A 1.7 135
29	A 3.8 124	A 4.2 124	A 4.2 124	A 2.5 124	A 2.3 124	A 12.8 124	A 5.9 124	A 5.9 124	A 5.7 124	A 5.6 124	A 2.7 124
30	C 3.9 378	C 4.2 378	C 4.2 378	C 5.9 378	C 5.4 378	C 6.5 875	C 6.6 875	C 6.6 875	C 6.6 875	C 6.6 875	C 6.4 875

Table 97 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	C	6.5	292	C	2.1	292	C	2.	292	C	2.3	292	C	2.1	292	C	14.7	2363	C	16.1	2363	C	3.9	292	C	2.2	318	C	2.2	318	A	0.3	
32	B	7.1	275	B	2.6	275	B	2.5	275	B	2.6	275	B	2.4	275	B	19.2	2810	B	19.9	2810	B	4.1	275	B	3.8	275	B	3.5	275	B	2.9	
33	A	3.1	184	A	3.1	184	A	3.1	184	A	4.3	184	A	4.	184	A	5.1	184	A	2.2	122	A	2.3	122	A	2.2	122	A	3.5	122	A	1.5	
34	A	0.8	80	A	0.8	80	A	0.8	80	A	0.9	80	A	0.8	80	A	1.	80	A	1.1	80	A	1.1	80	A	1.1	80	A	0.8	80	A	0.6	
35	C	23.8	3698	C	15.3	3698	C	15.3	3698	C	19.2	3698	C	19.2	3698	C	21.1	3698	C	21.2	3698	B	3.3	353	B	3.2	353	B	3.5	353	B	2.2	
36	C	6.6	295	C	2.1	295	C	2.	295	C	2.1	295	C	2.	295	C	14.7	2372	C	16.1	2372	C	3.4	295	C	3.	295	C	2.9	295	A	0.3	
37	A	0.3	77	A	0.3	77	A	0.3	77	A	0.2	77	A	0.2	77	A	0.2	77	A	0.3	77	A	0.4	77	A	0.3	77	A	0.3	77	A	0.1	
38	A	0.	46	A	0.	46	A	0.	46	A	0.1	46	A	0.	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	
39	A	0.2	47	A	0.2	47	A	0.1	65	A	0.2	65	A	0.2	65	A	0.2	65	A	0.1	72	A	0.1	72	A	0.1	72	A	0.	72	A	0.	
40	C	0.	34	C	0.	34	C	0.	34	C	0.	34	C	0.	34	C	0.	34	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	
41	A	0.2	52	A	0.2	52	A	0.2	54	A	0.2	54	A	0.2	54	A	0.3	54	A	0.1	93	A	0.1	93	A	0.1	93	A	0.1	93	A	0.1	
42	A	0.1	137	A	0.1	137	A	0.	137	A	0.1	137	A	0.1	137	A	0.1	137	A	0.1	133	A	0.1	133	A	0.1	133	A	0.1	133	A	0.1	
43	C	0.1	104	C	0.1	104	C	0.1	104	C	0.1	104	C	0.1	104	C	0.1	104	A	0.2	134	A	0.2	134	A	0.2	134	A	0.1	134	A	0.1	
44	A	0.	41	A	0.	41	A	0.	41	A	0.1	41	A	0.1	41	A	0.1	41	A	0.1	53	A	0.1	53	A	0.1	53	A	0.1	53	A	0.1	
45	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	
46	A	0.3	83	A	0.3	83	A	0.3	83	A	0.4	83	A	0.4	83	A	0.4	83	A	0.9	107	A	0.9	107	A	0.9	107	A	0.8	107	A	0.6	
47	A	0.2	70	A	0.2	70	A	0.2	70	A	0.3	70	A	0.3	70	A	0.3	70	A	0.4	70	A	0.4	70	A	0.4	70	A	0.4	70	A	0.3	
48	A	0.2	68	A	0.2	68	A	0.2	68	A	0.3	68	A	0.2	68	A	0.3	68	A	0.4	68	A	0.4	68	A	0.4	68	A	0.3	68	A	0.3	
49	A	0.4	61	A	0.4	61	A	0.4	61	A	0.7	61	A	0.6	61	A	0.8	61	A	0.3	55	A	0.3	55	A	0.3	55	A	0.2	55	A	0.2	
50	A	0.4	57	A	0.4	57	A	0.4	57	A	0.7	57	A	0.6	57	A	0.7	57	A	0.3	55	A	0.4	55	A	0.3	55	A	0.3	55	A	0.2	
51	A	1.2	90	A	1.3	90	A	1.3	90	A	2.2	90	A	2.	90	A	2.3	90	A	0.9	86	A	1.	86	A	0.9	86	A	0.8	86	A	0.7	
52	A	1.9	117	A	2.1	117	A	2.	117	A	3.4	117	A	2.9	117	A	4.3	117	A	6.3	139	A	6.3	139	A	6.3	139	A	4.	117	A	3.7	
53	A	2.2	137	A	2.3	137	A	2.2	137	A	3.7	137	A	3.	137	A	6.	137	A	6.8	183	A	6.8	183	A	6.7	183	A	4.2	137	A	3.5	
54	A	0.4	79	A	0.7	102	A	0.7	102	A	1.	102	A	1.	102	A	1.	102	A	1.	79	A	1.1	79	A	1.	79	A	1.	79	A	0.9	
55	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	
56	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.1	27	A	0.1	27	A	0.1	27	A	0.1	27	A	0.1	
57	C	0.	24	C	0.1	24	C	0.	24	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.1	34	A	0.	34	A	0.	34	A	0.	
58	A	0.	36	A	0.1	36	A	0.1	36	A	0.	32	A	0.	32	A	0.	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	
59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	47	A	0.1	47	A	0.1	47	A	0.1	47	A	0.1	47	A	0.1	46	A	0.1	46	A	0.1	
60	A	0.	31	A	0.	31	A	0.	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1	33	A	0.1	
61	A	0.	24	A	0.1	24	A	0.1	24	A	0.1	24	A	0.1	24	A	0.1	24	A	0.1	24	A	0.1	24	A	0.1	24	A	0.1	24	A	0.1	
62	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.1	52	A	0.3	59	A	0.3	59	A	0.3	59	A	0.3	59	A	0.3	
63	A	0.	23	A	0.	23	A	0.	23	B	0.1	72	B	0.1	72	B	0.1	72	B	0.1	72	B	0.1	72	B	0.1	72	B	0.1	72	B	0.1	
64	A	0.	16	A	0.	16	A	0.	16	B	0.	46	B	0.	46	B	0.	46	B	0.	46	B	0.	46	B	0.	46	B	0.	46	B	0.	

Table 97 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
65	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	B	23.6	364	C	11.4	191	C	11.2	191	B	22.1	364	B	10.	
66	C	5.9	420	C	6.	420	C	5.9	420	C	6.3	823	C	6.3	823	C	6.3	823	C	6.5	823	C	6.5	823	C	6.4	823	C	6.4	823	C	6.3	
67	C	0.2	64	C	0.2	64	C	0.2	64	C	0.3	64	C	0.3	64	C	0.3	64	C	6.2	705	C	6.2	705	C	6.2	705	C	6.2	705	C	6.2	
68	C	6.3	908	C	6.3	908	C	6.3	908	C	6.6	908	C	6.5	908	C	6.5	908	C	6.8	908	C	6.8	908	C	6.8	908	C	6.7	908	C	6.6	
69	C	4.3	256	C	4.3	256	C	4.3	256	C	6.2	724	C	6.2	256	C	6.3	724	C	6.3	724	C	6.3	724	C	6.3	724	C	6.3	724	C	6.2	
70	A	0.3	62	A	0.2	62	A	0.2	62	A	0.3	62	A	0.4	62	A	0.4	62	B	5.7	202	B	5.8	202	B	5.5	202	B	3.9	202	B	4.5	
71	A	1.3	162	A	1.3	162	A	1.4	162	A	2.1	162	A	1.9	162	A	2.1	162	B	7.7	1260	B	7.6	1244	B	7.5	1244	B	7.1	1260	B	23.	
72	C	0.2	84	C	0.3	84	C	0.2	84	C	0.3	84	C	0.3	84	C	0.4	84	B	6.8	456	B	6.8	456	B	6.8	456	B	6.5	456	B	7.8	
73	C	0.1	58	C	0.1	58	C	0.1	58	C	0.2	58	C	0.2	58	C	0.2	58	B	6.6	480	B	6.6	480	B	6.6	480	B	6.3	480	B	5.5	
74	C	0.4	138	C	0.5	138	C	0.4	138	C	0.7	138	C	0.6	138	C	0.7	138	B	8.1	1371	B	8.1	1355	B	8.	1355	B	7.2	1371	B	22.	
75	C	1.2	165	C	1.3	165	C	1.3	165	C	2.	165	C	2.	165	C	2.2	165	B	8.4	1409	B	8.3	1393	B	8.2	1393	B	7.5	1409	B	7.4	
76	A	6.	260	A	6.	260	A	6.	260	A	6.	260	A	6.	260	A	6.	260	C	6.3	791	C	6.4	791	C	6.3	791	C	6.3	791	C	11.	
77	C	4.2	415	C	14.5	1890	C	12.3	1890	C	16.3	415	C	16.	415	C	16.4	831	C	6.6	831	C	6.6	831	C	6.6	831	C	6.5	831	C	8.6	
78	A	0.1	73	A	0.1	73	A	0.1	73	A	0.2	73	A	0.2	73	A	0.2	73	A	1.4	73	A	1.5	73	A	1.4	73	A	2.	73	A	0.9	
79	A	0.1	98	A	0.1	98	A	0.1	98	A	0.2	98	A	0.2	98	A	0.2	98	C	16.2	1625	C	12.7	382	C	12.	383	C	10.9	383	C	6.7	
80	A	1.8	172	A	1.8	172	A	1.9	172	A	2.8	172	A	2.6	172	A	3.	172	C	19.	2624	C	16.4	774	C	16.2	774	C	16.8	774	C	15.	
81	C	0.	57	C	0.	57	C	0.	57	C	0.	57	C	0.	57	C	0.	57	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	
82	A	0.4	228	A	0.4	228	A	0.4	228	A	0.6	228	A	0.6	228	A	0.7	228	A	0.9	228	A	1.	228	A	0.9	228	A	0.8	228	A	0.8	
83	C	1.3	122	C	1.1	122	C	1.2	122	C	2.3	122	C	2.2	122	C	2.7	122	C	3.	122	C	29.6	4955	C	28.	5006	C	3.8	122	C	2.2	
84	A	0.6	113	A	0.6	113	A	0.6	113	A	0.9	113	A	0.9	113	A	0.9	113	C	34.	38453	C	34.1	38453	C	33.9	38453	C	33.4	38453	C	33.	
85	C	1.2	149	C	1.2	149	C	1.2	149	C	1.6	149	C	1.5	149	C	2.2	149	C	35.6	179174	C	35.7	179174	C	35.5	179174	C	35.2	179174	A	6.1	
86	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	76	A	0.1	76	A	0.1	76	A	0.2	76	A	0.2	76	A	0.2	76	A	0.2	76	A	0.1	
87	A	0.1	61	A	0.1	61	A	0.1	61	A	0.	59	A	0.	59	A	0.	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	
88	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.2	77	C	19.8	3282	C	6.2	628	C	5.8	588	C	5.4	588	C	4.5	
89	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.2	46	A	0.2	46	A	0.2	46	A	0.2	48	A	0.2	48	A	0.2	
90	A	4.3	164	C	7.6	875	C	9.6	875	C	8.3	875	C	8.3	875	C	9.7	875	A	6.	164	A	6.	164	A	5.9	164	A	6.1	164	A	5.7	
91	A	1.5	125	C	5.7	347	C	5.7	347	C	8.4	347	C	8.	347	C	9.6	420	A	4.	125	A	4.1	125	A	3.8	125	A	3.5	125	A	3.5	
92	A	0.4	116	A	0.4	116	A	0.4	116	A	0.6	116	A	0.6	116	A	0.6	116	A	0.9	116	A	0.9	116	A	0.9	116	A	0.8	117	A	0.8	
93	A	0.9	106	A	0.9	106	A	1.	106	A	0.4	106	A	0.3	106	A	0.4	106	A	0.5	106	A	0.5	106	A	0.5	106	A	0.4	106	A	0.4	
94	A	1.	65	A	1.	65	A	1.	65	A	0.3	65	A	0.3	65	A	0.4	65	A	0.3	65	A	0.3	65	A	0.3	65	A	0.2	65	A	0.2	
95	A	0.4	115	A	0.4	115	A	0.4	115	A	0.5	115	A	0.5	115	A	0.8	115	A	1.2	115	A	1.2	115	A	0.8	98	A	0.8	98	B	2.6	
96	A	0.4	52	A	0.4	52	A	0.4	52	A	0.2	52	A	0.1	52	A	0.2	52	A	0.2	52	A	0.2	52	A	0.2	52	A	0.2	52	A	0.2	
97	A	0.2	114	A	0.2	114	A	0.2	114	A	0.3	92	A	0.3	92	A	0.3	92	A	0.9	121	A	0.9	121	B	2.5	256	B	3.	256	B	1.6	
98	A	0.5	75	A	0.5	75	A	0.5	75	A	0.2	75	A	0.2	75	A	0.2	75	A	0.2	75	A	0.2	75	A	0.2	75	A	0.2	75	A	0.1	

Table 97 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
99	C 6.8 319	C 2.3 319	C 2.4 319	C 2.2 319	C 2.1 319	C 15.4 2597	C 17.5 2597	C 3.6 319	C 3.1 319	C 3. 319	A 0.3
100	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0

## 2.96 4\_Trig\_functions\4.2aTangent\4.2.9trig<sup>m</sup>(a+btan<sup>n</sup>+ctan<sup>(2n)</sup>)<sup>p</sup>

Table 98: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	C 6.2 623	C 6.2 623	C 6.2 623	C 6.2 690	C 6.2 690	C 6.3 690	C 37.7 2599	C 38.4 2599	C 37.7 2593	C 36.7 2593	C 44.3
2	C 1. 261	C 1. 261	C 1. 261	C 1.4 261	C 1.3 261	C 2.1 261	C 60.3 325881	C 61. 325881	C 58.7 293351	C 53.2 293351	C 40.3
3	C 1. 264	C 1. 264	C 1. 264	C 1.5 264	C 1.4 264	C 2.9 264	C 49. 167080	C 50.3 167080	C 48.9 145741	C 42.9 145741	C 32.5
4	C 3.8 315	C 3.9 315	C 4.1 315	C 5.7 315	C 5.4 315	C 6.1 407	C 48.8 281691	C 49.8 281691	C 47.8 248001	C 43.6 248001	C 35.1
5	C 9.8 2476	C 9.3 2476	C 9.3 2476	C 24.7 884	C 23.3 884	C 26.8 884	C 32.8 983	C 33.9 983	C 31. 971	C 40.2 3707	C 35.6
6	C 5.2 506	C 5.3 506	C 5.5 506	C 6.2 583	C 6.2 583	C 6.3 583	C 63.7 536928	C 65.9 536928	C 62.3 478721	C 56.3 478721	C 39.9
7	A 2.1 208	A 2. 208	A 2. 208	A 3. 208	A 2.8 208	A 3.2 208	C 36.9 307606	C 37.1 307606	C 36.7 304336	C 36.3 304336	C 35.9
8	A 0.2 180	A 0.2 180	A 0.2 180	A 0.3 180	A 0.3 180	A 0.8 180	C 35.1 216968	C 35.4 216968	C 35. 214679	C 34.7 214679	C 34.4
9	C 18. 1258	C 18.1 1258	C 18.3 1258	C 27. 1258	C 26.9 1258	C 27.8 1258	C 32.7 1258	C 42. 97676	C 36.3 97676	C 29. 1274	C 23.
10	A 2.9 278	A 2.6 278	A 2.7 278	A 4.1 278	A 3.9 278	A 4.3 278	B 20.7 694	C 40. 33668	C 38. 245450	C 37.5 245450	B 13.4



## 2.97 4\_Trig\_functions\4.2bCotangent\4.2.0(atrg)^m(bcot)^n

Table 99: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 11	A 0. 11	B 0. 23	A 0. 19	A 0. 19	A 0. 19	A 0.1 11	A 0.1 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11
2	C 0. 33	C 0. 33	C 0. 33	C 0. 33	C 0. 33	C 0. 33	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78
3	C 0.2 205	C 0.2 205	C 0.2 205	C 0.1 38	C 0.1 38	C 0.1 38	A 0.5 169	A 0.6 169	A 0.5 169	A 0.4 169	A 0.4 169	A 0.3 169
4	C 0.1 185	C 0.2 185	C 0.1 185	C 0.1 40	C 0. 40	C 0.1 40	A 0.2 157	A 0.2 157	A 0.1 157	A 0.1 157	A 0.1 157	A 0.1 157
5	A 0.2 106	A 0.2 106	A 0.2 106	C 0. 40	C 0. 40	C 0. 40	A 0.2 160	A 0.2 160	A 0.1 160	A 0.1 160	A 0.1 160	A 0.1 160
6	A 0. 27	A 0. 27	A 0.1 31	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 28
7	A 0. 30	A 0. 30	A 0. 27	A 0. 30	A 0. 30	A 0. 30	A 0.1 30	A 0.1 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
8	A 0.2 80	A 0.2 80	A 0.2 80	C 0.1 39	C 0.1 39	C 0.1 39	A 0.4 131	A 0.4 131	A 0.4 131	A 0.4 131	A 0.4 131	A 0.3 131
9	A 0.1 122	A 0.1 122	A 0.1 122	A 0.1 122	A 0.1 122	A 0.1 122	A 0.2 122	A 0.2 122	A 0.1 122	A 0.1 122	A 0.1 122	A 0.1 122
10	C 0. 30	C 0. 30	C 0. 30	A 0.2 39	A 0.1 39	A 0.1 39	A 0.2 39	A 0.2 39	A 0.2 39	A 0.2 39	A 0.2 56	A 0.1 56
11	C 6.4 477	C 2. 477	C 2. 477	C 2.5 477	C 2.4 477	C 19.9 5173	C 21.1 5173	C 4.6 477	C 4.1 477	C 4.2 477	A 0.1 70	A 0.1 70

## 2.98 4\_Trig\_functions\4.2bCotangent\4.2.10(c+dx)^m(a+bcot)^n

Table 100: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
1	A 0.5 184	A 0.5 184	A 0.5 184	A 0.8 184	A 0.7 184	A 0.9 184	A 0.7 98	A 0.8 98	A 0.6 98	A 0.5 98	A 0.4 98	A
2	A 0.2 44	A 0.2 44	A 0.2 44	A 0.3 44	A 0.2 44	A 0.2 44	A 0.3 44	A 0.3 44	A 0.3 44	A 0.3 44	A 0.3 44	A
3	A 0.4 149	A 0.4 149	A 0.4 149	A 0.5 149	A 0.5 149	A 0.5 149	A 0.3 149	A 0.3 149	A 0.4 149	A 0.4 160	A 0.4 160	A
4	A 0.2 107	A 0.2 107	A 0.2 107	A 0.3 107	A 0.2 107	A 0.4 107	A 0.3 107	A 0.3 107	A 0.2 107	A 0.2 107	A 0.2 107	A
5	A 0.2 77	A 0.3 77	A 0.3 77	A 0.3 77	A 0.3 77	A 0.4 77	A 0.3 77	A 0.3 77	A 0.3 77	A 0.2 77	A 0.2 77	A
6	A 0.4 136	A 0.4 136	A 0.4 136	A 0.6 136	A 0.5 136	A 0.8 136	A 0.7 136	A 0.7 136	A 0.7 136	A 0.5 136	A 0.3 207	F
7	A 0.6 369	A 0.6 369	A 0.7 369	A 0.9 369	A 0.8 369	A 1.1 369	A 1. 369	A 1. 369	A 1.3 387	A 1.3 424	A 1.2 424	A
8	A 0.8 244	A 0.9 244	A 0.8 244	A 0.7 244	A 0.6 244	A 0.9 244	A 0.6 244	A 0.6 244	A 0.6 244	A 0.7 204	A 0.8 204	A
9	A 0.4 197	A 0.4 197	A 0.5 197	A 0.6 197	A 0.6 197	A 0.8 197	A 0.7 197	A 0.8 197	A 0.7 197	A 0.6 197	A 0.4 318	F
10	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
11	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
12	B 9.3 1733	B 9.3 1733	B 9.4 1733	B 11.1 1682	B 10.4 1682	B 11.4 1682	B 16.1 2706	B 15.8 2706	B 15.1 2695	B 11.9 3476	F 0 0	F
13	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F

## 2.99 4\_Trig\_functions\4.2bCotangent\4.2.1.2(dcsc)^m(a+bcot)^n

Table 101: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 52	A 0. 52
2	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9
3	B 0.2 99	B 0.2 99	B 0.2 99	B 0.2 99	B 0.1 99	B 0.2 99	B 0.2 99	B 0.2 99	B 0.2 99	B 0.2 99	B 0.2 99	B 0.1 99	B 0.1 99
4	C 0.2 94	C 0.2 94	C 0.3 94	C 0.2 94	C 0.2 94	C 0.2 94	C 0.2 94	C 0.2 94	C 0.2 94	C 0.2 94	A 0.1 69	A 0.1 69	A 0.1 69
5	A 0.1 20	A 0.1 20	A 0.1 20	A 0.2 19	A 0.2 19	A 0.2 19	A 0.2 19	A 0.3 19	A 0.2 19	A 0.2 19	A 0.2 19	A 0.2 19	A 0.1 19

## 2.100 4\_Trig\_functions\4.2bCotangent\4.2.1.3(dcos)^m(a+bcot)^n

Table 102: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.2 60	A 0.2 60	A 0.3 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60
2	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 25	A 0. 25
3	B 0.1 44	B 0.1 44	B 0.1 44	B 0. 44	B 0. 44	B 0. 44	B 0. 44	B 0. 44	B 0. 44	B 0. 44	B 0.1 89	B 0.1 89
4	C 0.6 179	C 0.6 179	C 0.6 179	C 0.7 179	C 0.6 179	C 0.9 179	C 1.1 179	C 1.2 179	C 1.1 179	A 0.7 127	A 0.8 146	A 0.6 127
5	B 0.1 57	B 0.1 57	B 0.1 57	B 0.1 57	B 0.1 57	B 0.1 57	B 0.1 57	B 0.1 57	B 0.1 57	B 0. 57	B 0.1 57	C 135.6 2686

## 2.101 4\_Trig\_functions\4.2bCotangent\4.2.2.1(a+bcot)^m(c+dcot)^n

Table 103: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	B 0.2 117	B 0.2 117	B 0.2 117	B 0.3 117	B 0.3 117	B 0.4 117	B 0.9 112	B 0.9 112	B 0.9 112	B 0.8 112	B 0.7 112	B 0.2 105
2	C 0.1 68	C 0.1 68	C 0.1 68	C 0.2 68	C 0.2 68	C 0.2 68	A 1.3 128	A 1.4 128	A 1.2 128	A 1.3 128	A 1.1 128	A 0.9 128
3	A 0.8 187	A 0.9 187	A 0.9 187	A 1.3 187	A 1.2 187	A 1.3 187	A 4.6 136	A 18.3 136	A 17.9 136	A 4.4 136	A 3. 176	A 1.8 153
4	A 1. 173	A 1. 173	A 1. 173	C 0.5 141	C 0.5 141	C 0.5 141	A 3.9 173	A 17.2 173	A 17. 173	A 3.8 173	A 1.6 164	A 0.8 164
5	B 5. 401	B 5.4 401	B 5.2 401	C 6.1 729	C 6.1 729	C 6.1 729	A 3.7 144	A 6.5 129	A 6.1 129	A 5.8 145	C 5.4 196	C 3.2 196
6	B 3. 380	B 3.2 380	B 3.2 380	C 2.9 332	C 2.8 332	C 3.2 332	A 2.8 169	A 4. 169	A 3.8 169	A 2.9 169	A 2. 114	A 1.6 114
7	B 0.9 342	B 1. 342	B 1. 342	C 5.4 292	C 5.1 292	C 6.1 553	A 1.6 96	A 4.6 96	A 4.2 96	A 1.8 96	A 1.1 96	A 0.9 96
8	B 0.5 283	B 0.5 283	B 0.5 283	A 0.3 98	A 0.2 98	A 0.3 98	A 0.3 98	A 0.3 98	A 0.3 98	A 0.3 98	C 14. 1655	C 2. 166
9	C 2.1 339	C 2.3 339	C 2.2 339	A 1.4 217	A 1.3 217	A 1.5 217	A 1.8 217	A 1.9 217	A 1.7 217	A 1.6 217	C 8.8 236	C 10.2 342
10	C 0.4 75	C 0.4 75	C 0.4 75	C 0.4 96	C 0.3 96	C 0.4 96	C 0.5 96	C 0.5 96	C 0.4 96	C 0.5 96	C 4. 261	C 3.3 261
11	C 0.3 67	C 0.3 67	C 0.3 67	C 0.3 98	C 0.3 98	C 0.3 98	C 0.4 98	C 0.4 98	C 0.3 98	C 0.4 98	C 1.5 98	C 1.2 98
12	C 0.3 82	C 0.3 82	C 0.3 82	C 0.4 82	C 0.3 82	C 0.4 82	A 3.2 177	A 3.3 177	A 3. 177	A 2.9 248	A 2.2 248	A 1.9 248
13	C 0.4 249	C 0.4 249	C 0.4 249	C 0.7 249	C 0.6 249	C 0.7 249	A 14.1 196	A 4.7 196	A 4.3 196	A 0.6 296	A 0.5 296	A 0.4 296
14	C 0.2 245	C 0.2 245	C 0.2 245	C 0.2 248	C 0.2 248	C 0.3 248	A 1.1 296	A 1.1 296	A 15.7 296	A 0.4 296	A 0.4 296	A 0.2 296
15	C 1.7 295	C 1.8 295	C 1.8 295	C 3. 300	C 2.8 300	C 3.9 300	A 3.6 497	A 3.7 497	A 3.5 497	A 1.6 288	A 1.3 288	A 1.1 288
16	C 1.4 144	C 1.4 144	C 1.4 144	C 2.1 144	C 1.8 144	C 2.1 144	C 3.2 352	C 3.4 352	C 3.1 352	C 1.9 186	C 1.7 186	C 1.4 186
17	C 3.3 202	C 3.4 202	C 3.5 202	C 5.4 202	C 4.8 202	C 5.5 202	C 6.4 863	C 6.4 863	C 6.4 700	C 5.4 234	C 4. 234	C 3.9 234
18	A 0.4 212	A 0.4 212	A 0.5 212	A 0.6 212	A 0.6 212	A 7.8 149	A 0.9 149	A 1. 149	A 0.9 149	A 0.4 114	A 0.3 114	A 0.3 114
19	A 0.8 222	A 0.8 222	A 0.8 222	A 4.2 253	A 3.9 253	A 8.2 253	A 6.1 253	A 6.4 253	A 5.9 253	B 6.5 479	B 12.5 479	B 10. 479
20	A 1.3 154	A 1.4 154	A 1.4 154	A 0.7 154	A 0.6 154	A 0.4 145	A 0.5 154	A 0.5 154	A 0.5 154	A 0.2 101	A 0.2 101	A 0.1 101
21	A 1.1 226	A 1.1 226	A 1.2 226	A 1.8 226	A 1.7 226	A 1.9 226	A 5.6 191	A 5.8 191	A 5.1 213	A 1.7 130	A 1.3 130	A 1.1 130
22	A 1.9 253	A 2. 253	A 2. 253	A 6.5 232	A 5.9 232	A 6.6 232	B 6.6 587	B 6.6 587	B 6.6 587	B 6.5 587	A 5.5 263	A 4.2 263

## 2.102 4\_Trig\_functions\4.2bCotangent\4.2.7(dtrig)^m(a+b(ccot)^n)^p

Table 104: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
1	A 0.6 148	A 0.6 148	A 0.6 148	A 0.9 148	A 0.8 148	A 0.9 148	A 4.9 121	A 2.1 121	A 1.9 121	A 2.1 121	A 1.6 101	A
2	B 0.1 51	B 0.1 51	B 0.1 51	B 0.1 51	B 0.1 51	B 0.1 51	B 0.1 51	B 0.1 51	B 0.1 51	B 0.1 51	A 0.1 39	A
3	A 0. 19	A 0. 19	A 0. 19	A 0. 49	A 0. 49	A 0. 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A
4	A 0.1 19	A 0.1 19	A 0.1 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A
5	A 0.1 65	A 0.1 65	A 0.1 65	A 0.2 65	A 0.2 65	A 0.2 65	C 5.9 378	C 18.1 201	C 16.4 189	C 6.8 505	C 9.2 378	C
6	A 0.7 144	C 4.6 174	C 4.3 174	A 6. 144	A 5.9 144	A 6. 144	A 1.4 144	A 1.5 144	A 1.1 168	A 1.1 168	A 0.7 168	A
7	A 0.1 63	A 0.1 63	A 0.1 63	A 0.2 63	A 0.2 63	A 0.2 63	C 6.9 503	C 14. 193	C 13.7 193	C 6.3 503	C 5.7 382	C
8	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	C 9. 230	C 19.8 230	C 19.5 230	C 17.6 331	C 5.4 230	C
9	B 0.5 222	B 0.6 222	B 0.6 222	B 0.8 222	B 0.7 222	B 0.9 222	B 1.3 222	B 1.4 222	B 1.3 222	B 1.1 222	B 0.7 224	B
10	A 0.3 107	A 0.3 107	A 0.3 107	C 1. 202	C 0.9 202	C 1.1 202	C 1.6 202	C 1.7 202	C 1.6 202	C 1.4 202	C 1.2 202	C
11	B 0.1 158	B 0.2 158	B 0.2 158	B 0.2 158	B 0.2 158	B 0.3 158	B 0.4 158	B 0.4 158	B 0.4 158	B 0.3 158	B 0.3 158	B
12	C 0.1 78	C 0.1 78	C 0.1 78	C 0.1 78	C 0.1 78	C 0.1 78	C 23.4 982	C 34.3 982	C 34. 982	C 21. 454	C 7.6 285	C
13	A 0.2 73	A 0.2 73	A 0.3 73	A 0.4 73	A 0.3 73	A 0.4 73	C 34.2 61450	C 34.3 61450	C 34. 61450	C 33.7 61450	C 33.2 61450	C

2.103 4\_Trig\_functions\4.2bCotangent\4.2.9trig<sup>m</sup>(a+bcot<sup>n</sup>+ccot<sup>(2n)</sup>)<sup>p</sup>

Table 105: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
1	C 6.3 458	C 6.5 735	C 6.5 735	C 22. 416	C 21.4 416	C 23.9 416	C 37.4 3681	C 38.3 3681	C 37.4 3698	C 35.4 3685	C
2	C 0.4 256	C 0.4 256	C 0.4 256	C 11.9 253	C 11.5 253	C 13.5 253	C 29.2 2104	C 29.3 2104	C 29.2 2104	C 30.2 2010	C
3	C 2.9 422	C 2.9 422	C 3.1 422	C 40.6 134907	C 39.9 134907	C 45.1 325525	C 49. 325525	C 50.3 325525	C 50. 325525	C 44.4 325525	C
4	C 6.7 2097	C 6.8 2097	C 6.8 2097	C 41.5 5618	C 39.6 5618	C 42.8 5618	C 46.8 5618	C 47.4 5618	C 46.9 5618	C 42.9 5618	C
5	C 6.3 934	C 6.3 934	C 6.3 934	C 51. 558961	C 49.9 558961	C 55.3 558945	C 62.1 558961	C 64.1 558961	C 63.6 558961	C 54. 558961	C
6	A 2.2 254	A 2.2 254	A 1.9 254	A 13.1 253	A 12.7 253	A 13.9 253	B 25.2 1999	C 35.4 116182	C 35.3 116182	B 28.1 1999	B
7	A 12.1 562	A 12.2 562	A 11.3 562	C 37.8 293889	C 36.6 293889	C 37.2 293889	C 40. 293889	C 40.3 293889	C 40.1 293889	C 39.1 293889	C

## 2.104 4\_Trig\_functions\4.3aSecant\4.3.0(asec)^m(btrg)^n

Table 106: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10
2	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	B 0.2 69	B 0.2 69	B 0.2 69	B 0.2 69	B 0.2 69	B 0.2 69
3	A 0.1 43	A 0.1 43	A 0.1 43	A 0.2 43	A 0.2 43	A 0.2 43	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77
4	A 0.1 59	A 0.1 59	A 0.1 59	A 0.2 59	A 0.2 59	A 0.2 59	A 0.2 59	A 0.3 59	A 0.2 59	A 0.1 59	A 1. 59	A 0.8 59
5	A 0. 45	A 0. 45	A 0. 45	A 0.1 45	A 0. 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 36	A 0.6 45	A 0.4 45
6	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 16	A 0.5 36	A 0.4 36
7	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50
8	A 0. 57	A 0. 57	A 0. 57	A 0.1 57	A 0. 57	A 0.1 57	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58
9	A 0. 57	A 0. 57	A 0. 57	A 0.1 57	A 0. 57	A 0.1 57	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58
10	A 0. 57	A 0. 57	A 0. 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.2 76	A 0.2 76	A 0.2 76	A 0.2 76	A 0.2 70	A 0.2 70
11	B 0. 14	B 0. 14	B 0. 14	B 0. 44	B 0. 44	B 0. 44	B 0. 44	B 0. 44	B 0. 44	B 0. 44	B 0. 44	B 0. 44
12	A 0. 28	A 0. 28	A 0. 28	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
13	A 0. 37	A 0. 37	A 0. 37	A 0.2 72	A 0.2 72	A 0.2 72	A 0.3 72	A 0.3 72	A 0.3 72	A 0.3 72	A 0.2 72	A 0.2 72
14	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.2 59	A 0.1 59	A 0.2 60	A 0.7 58	A 0.6 58
15	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.2 59	A 0.2 59	A 0.2 59	A 0.1 57	A 0.3 59	A 0.3 59
16	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.2 42	A 0.2 42	A 0.2 42	A 0.2 42	A 0.1 42	A 0.1 42
17	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
18	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.2 73	A 0.2 73	A 0.2 73	A 0.2 73	A 0.2 73	A 0.1 73
19	A 0.2 69	A 0.2 69	A 0.2 69	A 0.2 69	A 0.2 69	A 0.2 69	A 0.3 69	A 0.3 69	A 0.3 69	A 0.2 70	A 0.1 64	A 0.1 64
20	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.3 51	A 0.2 51
21	A 0.3 64	A 0.3 64	A 0.3 64	A 0.3 64	A 0.3 64	A 0.3 64	A 0.5 64	A 0.5 64	A 0.5 64	A 0.8 69	A 0.4 65	A 0.4 65
22	A 0.2 64	A 0.2 64	A 0.2 64	A 0.2 64	A 0.2 64	A 0.2 64	A 0.2 64	A 0.3 64	A 0.3 64	A 0.2 70	A 0.3 64	A 0.1 63
23	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52
24	A 0.2 66	A 0.3 66	A 0.3 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.2 66	A 0.2 66	A 0.1 66	A 0.3 66	A 0.2 66	A 0.1 66
25	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.2 60	A 0.2 60	A 0.2 60	A 0.1 51	A 0.7 60	A 0.5 60
26	A 0.2 56	A 0.2 56	A 0.2 56	A 0.1 56	A 0.1 56	A 0.2 56	A 0.2 56	A 0.2 56	A 0.2 56	A 0.2 56	A 0.1 56	A 0.1 56
27	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 54	A 0. 60	A 0. 60
28	A 0.3 64	A 0.3 64	A 0.3 64	A 0.3 64	A 0.2 64	A 0.4 64	A 0.4 64	A 0.5 64	A 0.4 64	A 0.3 64	A 0.3 64	A 0.3 64
29	A 0.2 51	A 0.2 51	A 0.2 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.2 51	A 0.2 51	A 0.1 51	A 0.2 51	A 0.1 51	A 0.1 51
30	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.2 66	A 0.2 66	A 0.2 66	A 0.2 64	A 0.1 66	A 0.1 66



Table 106 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			7		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size			
31	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32			
32	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45			
33	A	0.1	64	A	0.1	64	A	0.1	64	A	0.2	64	A	0.2	64	A	1.9	111	A	2.	111	A	1.9	111	A	1.6	111	A	1.4	107	A	1.2	10			
34	A	0.2	57	A	0.1	57	A	0.1	57	A	0.2	57	A	0.2	57	A	0.2	57	A	0.2	57	A	0.3	55	A	0.3	55	A	0.3	55	A	0.2	55			
35	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	B	0.2	75	B	0.2	75	B	0.2	75	B	0.1	75	B	0.1	75			
36	A	0.3	45	A	0.2	45	A	0.2	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.2	45	A	0.2	45	A	0.2	45	A	0.2	45	A	0.1	48			
37	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24			
38	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49			
39	A	0.	60	A	0.	60	A	0.	60	A	0.1	60	A	0.	60	A	0.1	60	A	0.2	77	A	0.2	77	A	0.2	77	A	0.1	77	A	0.2	57			
40	A	0.	58	A	0.	58	A	0.	58	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	59	A	0.1	58			
41	A	0.	58	A	0.	58	A	0.	58	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61			
42	A	0.	57	A	0.	57	A	0.	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.2	76	A	0.2	76	A	0.2	76	A	0.2	76	A	0.2	70			
43	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57			
44	A	0.1	81	A	0.1	81	A	0.1	81	A	0.1	81	A	0.1	81	A	0.1	81	A	0.2	72	A	0.2	72	A	0.2	72	A	0.2	72	A	0.1	73			
45	A	0.1	81	A	0.1	81	A	0.1	81	A	0.2	81	A	0.2	81	A	0.2	81	A	0.2	72	A	0.2	72	A	0.2	72	A	0.2	72	A	0.2	73			
46	A	0.2	20	A	0.2	20	A	0.2	20	A	0.1	20	A	0.	20	A	0.1	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20			
47	A	0.1	18	A	0.1	18	A	0.1	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18			
48	A	0.1	20	A	0.1	20	A	0.1	20	A	0.1	20	A	0.	20	A	0.1	20	A	0.1	20	A	0.1	20	A	0.1	20	A	0.	20	A	0.	20			
49	A	6.	121	A	1.4	121	A	1.4	121	A	1.4	171	A	1.3	171	A	6.1	171	C	0.2	69	C	0.3	69	C	0.2	69	C	0.2	69	C	0.2	67			
50	C	0.8	80	C	0.9	80	C	15.6	80	C	0.7	80	C	0.7	80	C	0.8	80	C	1.1	80	C	1.1	80	C	1.1	80	C	1.	80	A	4.9	97			
51	C	0.7	70	C	0.8	70	C	0.8	70	C	0.5	70	C	0.5	70	C	0.6	70	C	0.9	70	C	0.9	70	C	0.9	70	C	0.7	70	A	1.5	101			
52	C	1.1	104	C	1.2	104	C	11.2	104	C	1.1	104	C	1.	104	C	1.2	104	C	0.9	79	C	1.	79	C	0.9	79	C	0.9	79	C	0.8	119			
53	C	0.4	66	C	0.5	66	C	0.5	66	C	0.2	66	C	0.2	66	C	0.3	66	C	0.5	81	C	0.6	81	C	0.6	81	C	0.5	81	C	0.1	69			
54	C	1.8	101	C	1.9	101	C	1.8	101	C	1.8	101	C	1.7	101	C	1.9	101	C	0.9	82	C	1.	82	C	0.9	82	C	0.9	82	C	0.8	101			
55	A	6.6	152	A	1.9	152	A	1.9	152	C	0.2	70	C	0.2	70	C	0.3	70	C	0.4	87	C	0.4	87	C	0.4	87	C	0.3	87	C	0.3	87			
56	C	6.3	283	C	1.9	283	C	1.8	283	C	2.2	283	C	2.	283	C	16.7	2850	C	19.	2850	C	3.7	283	C	3.6	283	C	3.3	283	A	0.3	90			
57	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.1	51	B	2.1	139	B	2.3	139	B	2.2	139	B	2.8	139	A	0.3	79			
58	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.	51	A	0.8	79	A	0.8	79	A	0.8	79	A	0.8	79	A	0.2	73			
59	A	31.3	95	A	26.8	95	A	27.1	95	C	3.2	326	C	3.	326	A	14.8	130	A	15.4	92	C	5.5	326	C	5.2	326	C	5.8	325	A	17.1	75			
60	A	21.1	115	A	19.9	115	A	20.	115	A	1.	115	A	1.	115	A	1.1	115	A	1.5	115	A	1.5	115	A	1.5	115	A	1.4	115	A	0.2	75			

## 2.105 4\_Trig\_functions\4.3aSecant\4.3.10(c+dx)^m(a+bsec)^n

Table 107: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 218	A 0.1 218	A 0.1 218	A 0.1 218	A 0.1 218	A 0.1 218	A 0.9 445	A 0.9 445	A 0.8 445	A 0.7 445	A 0.5 445	A 0.4 445	
2	A 0.8 123	A 0.8 123	A 0.8 123	B 5.8 330	B 5.4 330	B 6. 330	B 6.4 728	B 6.2 330	B 6.3 728	B 6.3 728	B 5.4 337	B 4.6 337	
3	B 6.7 925	B 6.8 925	B 6.8 925	B 7. 925	B 6.9 925	B 7. 925	B 6.5 925	B 6.5 925	B 6.5 925	B 6.4 925	B 6.4 2291	B 6.3 925	
4	A 1.3 172	A 1.3 172	A 1.3 172	A 1.6 172	A 1.5 172	A 1.8 172	A 2. 172	A 2.1 172	A 2. 172	A 2. 172	A 1.8 172	A 1.5 172	
5	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
6	A 0.2 203	A 0.2 203	A 0.2 203	A 0.3 203	A 0.3 203	A 0.3 203	A 0.6 281	A 0.5 281	A 0.5 281	A 0.4 281	A 0.4 281	A 0.3 281	
7	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
8	A 1. 356	A 1. 356	A 1. 356	A 1.6 356	A 1.5 356	A 1.7 356	B 10.4 703	B 10.4 703	B 10. 703	A 8.3 507	A 7.3 507	B 4.5 851	
9	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
10	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	

2.106 4\_Trig\_functions\4.3aSecant\4.3.11(ex)^m(a+bsec(c+dx^n))^p

Table 108: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 146	A 0. 146	A 0. 146	A 0.1 146	A 0. 146	A 0. 146	A 0.3 161	A 0.3 161	A 0.3 161	A 0.3 161	A 0.2 161	A 0.2 161
2	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
3	A 0.4 229	A 0.4 229	A 0.4 229	A 0.6 229	A 0.6 229	A 0.5 229	A 2.3 280	A 2.3 280	A 2. 280	A 1.8 280	A 1.5 280	A 1.3 280
4	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
5	A 0. 90	A 0.1 90	A 0.1 90	A 0.2 62	A 0.2 62	A 0.2 62	A 4.2 115	A 4.3 115	A 4.2 115	A 3.8 115	A 3.8 115	A 3.3 115
6	A 0.6 305	A 0.7 305	A 0.7 305	A 1.1 472	A 1.1 472	A 1. 472	A 1.5 472	A 1.5 472	A 1.4 472	A 1.1 472	A 1.4 441	A 1.1 441
7	B 1. 845	B 1. 845	B 1. 845	B 1.4 845	B 1.3 845	B 1.2 845	B 6.1 902	B 6.1 902	B 6.1 902	B 1.6 845	B 1.8 845	B 1.4 845
8	A 9.9 1118	A 9.7 1118	A 9.6 1118	A 9.5 1069	A 9.2 1069	A 9.1 1069	A 10.7 892	A 10.1 807	A 10.3 892	A 8.9 722	A 6.2 722	A 4.1 722
9	A 0.5 347	A 0.6 347	A 0.6 347	A 0.8 347	A 0.8 347	A 0.8 347	A 11.2 507	A 10. 507	A 9.5 520	A 9.8 520	F 0 0	F 0 0
10	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
11	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
12	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
13	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	B 0.1 89	B 0.1 89	B 0.1 89	B 0.1 89	B 0.2 89	B 0.1 89
14	A 0.5 188	A 0.6 188	A 0.6 188	A 0.6 188	A 0.5 188	A 0.5 188	A 0.8 188	A 0.7 188	A 0.6 188	A 0.5 188	A 0.8 188	A 0.5 188
15	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
16	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
17	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

2.107 4\_Trig\_functions\4.3aSecant\4.3.1.2(dsec)^n(a+bsec)^m

Table 109: Breakdown of results for each integral

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
1	A	0.1	56	A	0.1	56	A	0.1	56	A	0.2	76	A	0.2	76	A	0.2	76	B	6.	227	B	6.	227	B	6.	227	A	5.6	111	A	4	
2	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	B	0.	73	B	0.	73	B	0.	73	B	0.	73	B	0.	73
3	A	0.1	54	A	0.2	54	A	0.1	54	B	0.7	219	B	0.6	219	B	0.6	219	B	1.3	219	B	1.3	219	B	1.1	219	B	0.9	219	B	0.	219
4	A	0.2	86	A	0.3	86	A	0.2	72	B	5.9	154	B	5.6	154	B	5.6	154	B	6.4	733	B	6.4	733	B	6.4	733	B	6.4	733	B	6.4	733
5	B	2.8	272	B	3.6	272	B	3.5	272	B	1.4	272	B	1.3	272	B	1.5	272	B	2.8	272	B	2.9	272	B	2.8	272	B	1.9	272	B	1.	272
6	B	2.8	241	B	3.4	241	B	3.3	241	B	1.8	241	B	1.7	241	B	1.7	241	B	3.1	241	B	3.1	241	B	3.	241	B	2.6	241	B	2.	241
7	A	0.3	91	A	0.4	91	A	0.3	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.1	91	A	0.2	91	A	0.1	91	A	0.1	91	A	0.	91
8	A	5.	170	A	5.	170	A	5.	170	A	1.4	229	A	1.3	229	A	1.3	229	A	2.2	229	A	2.4	229	A	2.2	229	A	1.9	229	B	2.	229
9	A	0.2	72	A	0.2	72	A	0.2	72	B	1.4	250	B	1.3	250	B	1.2	250	B	2.6	250	B	2.6	250	B	2.4	250	B	2.	250	B	1.	250
10	A	0.6	173	A	0.8	173	A	0.8	173	A	0.3	173	A	0.3	173	A	0.3	173	A	0.5	173	A	0.5	173	A	0.5	173	A	0.5	173	A	0.	173
11	A	0.3	104	A	0.3	104	A	0.3	104	B	1.3	247	B	1.1	247	B	1.1	247	B	1.9	247	B	2.	247	B	1.9	247	B	1.6	247	B	1.	247
12	A	1.6	181	A	1.7	181	A	1.7	181	A	0.6	181	A	0.6	181	A	0.6	181	A	1.1	181	A	1.	181	A	0.9	181	A	0.9	181	A	0.	181
13	B	1.9	403	B	2.3	403	A	1.	121	B	1.5	403	B	1.5	403	B	1.9	403	B	6.4	471	B	6.5	471	B	6.4	471	B	2.1	403	C	6.	403
14	A	0.1	69	A	0.1	69	A	0.1	69	A	0.2	69	A	0.2	69	A	0.2	69	A	0.2	65	A	0.2	65	A	0.2	65	A	0.1	65	A	0.	65
15	A	1.2	112	A	1.6	112	A	1.5	112	A	0.3	112	A	0.2	112	A	0.3	112	A	0.4	112	A	0.4	112	A	0.4	112	A	0.4	112	A	0.	112
16	A	0.1	97	A	0.1	97	A	0.1	97	A	0.2	97	A	0.2	97	A	0.2	97	A	0.2	64	A	0.2	64	A	0.2	64	A	0.2	64	A	0.	64
17	A	3.1	110	A	3.6	110	A	2.4	64	A	0.3	110	A	0.2	110	A	0.2	110	A	0.4	110	A	0.4	110	A	0.4	110	A	0.3	110	C	6.	110
18	A	0.1	60	A	0.1	60	A	0.1	60	A	0.2	60	A	0.2	60	A	0.2	60	A	0.2	60	A	0.3	70	A	0.3	70	A	0.3	70	A	0.3	70
19	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.2	48	A	0.2	48	A	0.2	48	A	0.2	48
20	A	0.1	82	A	0.2	82	A	0.2	82	A	0.2	89	A	0.2	89	A	0.2	89	A	0.2	89	C	11.2	393	C	25.5	7715	C	25.4	7715	C	11.9	393
21	A	0.6	122	C	6.3	360	C	9.	360	C	6.4	360	C	6.3	360	C	9.9	360	C	10.9	407	C	25.5	7725	C	25.4	7725	C	10.4	407	C	8.	407
22	C	0.5	92	C	0.6	92	C	0.5	161	C	0.8	161	C	0.8	161	C	0.8	161	C	0.8	161	C	11.1	443	C	25.5	7761	C	25.5	7761	C	11.9	443
23	A	0.1	106	A	0.1	106	A	0.1	106	A	0.2	106	A	0.2	106	A	0.2	106	A	0.2	106	A	3.	122	C	25.5	7762	C	25.4	7762	A	2.1	116
24	A	0.1	83	A	0.1	83	A	0.1	83	A	0.1	83	A	0.1	83	A	0.1	83	A	0.1	83	A	0.5	111	C	6.1	7716	C	6.1	7716	A	0.3	93
25	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	105	A	0.1	105	A	2.6	181	C	22.3	6927	C	22.1	6927	A	0.3	109
26	A	0.1	93	A	0.1	93	A	0.1	93	A	0.2	93	A	0.2	93	A	0.2	93	A	0.2	93	A	1.6	105	C	25.5	7765	C	25.4	7765	A	1.1	97
27	A	0.8	135	A	0.9	135	A	0.9	135	A	1.3	135	A	1.2	135	A	1.3	135	A	1.3	135	A	4.6	150	C	25.9	7817	C	25.8	7817	A	2.2	134
28	C	0.4	127	C	0.5	127	C	0.5	127	C	0.6	127	C	0.6	127	C	0.6	127	C	0.6	127	C	1.1	157	C	1.	157	C	0.9	157	C	1.	157
29	C	0.2	96	C	0.2	96	C	0.2	96	C	0.3	96	C	0.3	96	C	0.3	96	C	0.3	96	C	3.8	116	C	3.7	116	C	3.4	119	C	3.	119
30	C	0.3	106	C	0.3	106	C	0.3	106	C	0.4	106	C	0.4	106	C	0.4	106	C	0.4	106	C	1.8	104	C	1.8	104	C	1.6	107	C	1.9	107

Table 109 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	B	22.7	2700	B	14.6	2700	B	14.5	2700	B	16.2	2700	B	16.1	2700	B	18.9	4011	B	19.6	4011	B	5.1	479	B	4.2	482	B	6.3	482	B	4	4
32	C	0.2	98	C	0.2	98	C	0.2	98	C	0.3	98	C	0.3	98	C	0.3	98	C	1.6	135	C	1.6	135	C	1.5	135	C	1.5	135	C	1	1
33	B	22.8	3007	B	14.8	3007	B	14.8	3007	B	16.4	3007	B	16.3	3007	B	19.	4638	B	19.2	4638	B	14.2	1761	B	14.1	1761	B	14.5	1761	B	1	1
34	C	2.9	180	C	2.7	180	C	3.1	180	C	1.3	180	C	1.3	180	C	1.9	180	C	3.	180	C	3.6	180	C	2.5	180	C	2.1	256	C	1	1
35	C	1.1	201	C	1.3	201	C	1.3	201	C	2.	290	C	1.6	206	C	26.3	201	C	34.4	201	C	30.3	201	C	25.	201	C	22.4	201	C	40	40
36	C	0.8	202	C	1.	202	C	0.9	202	C	6.7	290	C	6.	207	C	6.2	202	C	35.2	202	C	30.8	202	C	25.1	202	C	21.5	202	C	40	40
37	C	2.1	252	C	2.	252	C	2.	252	C	1.4	252	C	1.3	252	C	1.7	252	C	2.2	259	C	2.1	259	C	2.	259	C	6.9	413	C	2	2
38	C	1.7	242	C	2.	242	C	1.9	242	C	1.3	242	C	1.2	242	C	1.2	242	C	2.1	249	C	2.	249	C	1.9	249	C	6.5	412	C	1	1
39	C	2.2	257	C	2.3	257	C	2.3	257	C	1.8	257	C	1.7	257	C	1.8	257	C	4.6	278	C	4.2	278	C	4.8	281	C	2.	328	C	2	2
40	C	3.	297	C	3.3	297	C	3.3	297	C	2.7	297	C	2.6	297	C	2.9	297	C	6.8	555	C	6.9	555	C	6.8	555	C	6.8	555	C	5	5
41	A	0.1	75	A	0.2	75	A	0.2	75	A	0.3	75	A	0.2	75	A	0.3	75	C	1.3	306	C	1.3	306	C	1.2	306	C	1.1	306	C	1	1
42	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0	0
43	A	0.3	136	A	0.3	136	A	0.3	136	A	0.5	112	A	0.5	112	A	0.5	112	C	6.5	944	C	6.4	944	C	6.4	944	C	3.8	456	C	2	2
44	A	0.3	110	A	0.3	110	A	0.3	110	A	0.4	99	A	0.4	99	A	0.4	99	C	3.5	432	C	3.5	432	C	3.2	432	C	2.5	432	C	1	1
45	A	0.1	75	A	0.2	75	A	0.2	75	A	0.3	75	A	0.2	75	A	0.3	75	C	1.2	307	C	1.1	307	C	1.	307	C	0.8	307	C	0	0
46	A	0.2	86	A	0.2	86	A	0.2	86	A	0.3	86	A	0.3	86	A	0.3	86	C	0.7	301	C	0.8	301	C	0.8	301	C	0.5	301	C	0	0
47	A	1.1	117	A	6.4	117	A	0.3	90	A	0.4	90	A	0.4	90	A	0.4	90	A	0.9	117	A	1.	117	A	0.9	117	A	0.9	117	A	0	0
48	A	0.1	125	A	0.2	125	A	0.1	125	A	0.2	125	A	0.2	125	A	0.2	125	C	1.3	362	C	1.3	362	C	1.2	362	C	0.9	362	C	1	1
49	B	0.3	220	B	0.4	220	B	0.4	220	B	0.6	220	B	0.5	220	B	0.6	220	A	0.4	158	A	0.4	158	A	0.4	158	A	0.6	158	A	0	0
50	A	0.1	118	A	0.2	118	A	0.2	118	A	0.2	118	A	0.2	118	A	0.3	118	A	0.2	104	A	0.2	104	A	0.2	104	A	0.2	104	A	0	0
51	A	0.2	122	A	0.2	122	A	0.2	122	A	0.3	122	A	0.2	122	A	0.3	122	A	0.3	118	A	0.3	118	A	0.3	118	A	0.3	118	A	0	0
52	C	0.1	71	C	0.1	71	C	0.1	71	C	0.2	71	C	0.1	71	C	0.2	71	C	0.7	158	C	0.6	158	C	0.6	158	C	0.6	158	C	0	0
53	B	14.6	761	B	6.9	761	B	6.7	761	B	7.7	749	B	7.4	749	B	7.9	749	B	10.3	749	B	1.5	215	B	1.5	215	B	1.5	215	B	1	1
54	B	8.6	585	B	4.6	585	B	4.5	585	B	7.1	585	B	6.7	585	B	14.8	1050	B	17.7	2819	B	11.1	464	B	10.9	464	B	10.2	479	B	8	8
55	C	24.1	1566	C	22.	1566	C	22.6	1566	C	20.	2618	C	19.6	2618	C	20.	2618	C	24.6	3726	C	18.	2169	C	17.8	2169	C	25.1	3720	C	1	1
56	A	0.1	106	A	0.1	106	A	0.1	106	A	0.2	106	A	0.2	106	A	0.2	106	C	21.	3990	C	3.4	351	C	3.3	351	C	4.3	351	C	2	2
57	A	0.3	85	A	0.4	85	A	0.4	85	A	0.5	85	A	0.4	85	A	0.4	85	C	67.3	6381	B	52.5	785	B	11.8	785	C	16.8	1595	B	9	9
58	B	22.6	3003	B	14.6	3003	B	14.6	3003	B	17.	3003	B	16.8	3003	B	17.1	3003	B	18.1	3003	B	3.6	235	B	3.5	235	B	4.5	235	B	2	2
59	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	C	1.1	213	C	1.	213	C	0.9	213	C	0.8	213	C	0	0
60	B	4.6	2030	B	5.6	2030	B	5.7	2030	B	6.3	3005	B	6.2	3005	B	6.2	3005	B	6.3	3005	B	0.8	237	B	0.7	237	B	0.4	237	B	0	0
61	C	1.9	316	C	2.2	316	C	2.2	316	C	14.	346	C	13.4	346	C	13.8	346	C	19.8	377	C	19.5	377	C	19.	382	C	22.	382	F	0	0
62	C	0.7	316	C	0.9	316	C	0.9	316	C	1.2	346	C	1.1	346	C	1.1	346	C	3.7	377	C	3.2	377	C	3.	382	C	2.6	382	F	0	0
63	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
64	B	6.3	257	B	2.	257	B	2.	257	B	2.5	257	B	2.3	257	B	18.6	2753	B	19.4	2753	B	3.9	257	B	3.8	257	B	4.	257	B	3	3

Table 109 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
65	B	11.2	1425	B	13.4	825	B	13.5	825	B	14.4	2250	B	14.3	2250	B	14.3	2250	B	15.6	2250	B	2.	226	B	2.	226	B	2.1	226	B	1	0
66	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
67	B	0.6	1423	B	1.4	823	B	1.5	823	B	6.2	2248	B	6.2	2248	B	6.2	2248	B	6.3	2248	B	0.3	224	B	0.3	224	B	0.2	224	B	0	0
68	B	0.7	1425	B	1.7	825	B	1.5	825	B	6.2	2250	B	6.2	2250	B	6.2	2250	B	6.3	2250	B	0.3	226	B	0.3	226	B	0.2	226	B	0	0
69	A	0.4	123	A	0.4	123	A	0.5	123	A	0.7	123	A	0.6	123	A	0.7	123	A	0.8	156	A	0.8	156	A	0.8	156	A	0.8	156	A	0	0
70	A	0.1	95	A	0.1	95	A	0.1	95	A	0.2	95	A	0.2	95	A	0.2	95	A	0.6	133	A	0.6	133	A	0.6	133	A	0.6	133	A	0	0
71	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.4	107	A	0.4	107	A	0.4	107	A	0.4	107	A	0	0
72	B	18.7	782	B	9.2	782	B	9.3	782	B	14.6	2225	B	14.5	2225	B	14.5	2225	B	16.1	2225	B	2.3	226	B	2.2	226	B	2.6	226	B	1	0
73	C	3.7	232	C	4.	232	C	4.	232	C	6.2	458	C	6.	232	C	6.2	458	C	6.2	458	C	6.2	458	C	6.2	458	C	6.2	458	C	6.2	458
74	C	0.2	112	C	0.3	112	C	0.2	112	A	0.2	39	A	0.2	39	A	0.2	39	A	0.3	39	A	0.3	39	A	0.3	39	A	0.3	39	A	0.3	39
75	C	4.4	233	C	4.9	233	C	5.	233	C	5.8	233	C	5.5	233	C	6.	233	C	6.2	484	C	6.2	484	C	6.2	484	C	6.2	484	C	6.2	484
76	C	2.	314	C	2.4	314	C	2.4	314	C	2.5	312	C	2.5	290	C	2.4	314	C	3.9	314	C	3.6	314	C	3.4	314	C	2.1	322	C	2	0
77	C	2.	292	C	2.4	292	C	2.4	292	C	1.6	290	C	1.6	268	C	2.9	292	C	4.4	292	C	4.1	292	C	4.	292	C	1.8	310	C	2	0
78	C	2.6	372	C	2.7	372	C	2.8	372	C	7.2	431	C	2.5	348	C	2.7	372	C	4.3	372	C	3.7	372	C	3.4	372	C	7.7	433	C	2	0
79	C	1.3	166	C	1.5	166	C	1.4	166	C	6.9	467	C	6.9	445	C	3.1	375	C	6.	375	C	5.6	375	C	5.2	375	C	6.6	377	C	2	0
80	C	0.9	146	C	1.1	146	C	1.1	146	C	6.4	721	C	6.3	721	C	6.4	721	C	8.5	721	C	8.4	721	C	6.6	672	C	7.8	672	C	9	0
81	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39
82	A	0.2	128	A	0.3	128	A	0.3	128	A	0.6	100	A	0.5	100	A	0.6	100	C	0.6	145	C	0.5	145	C	0.4	145	C	0.5	145	C	0.5	145
83	A	0.3	117	A	0.4	117	A	0.4	117	A	0.6	112	A	0.5	112	A	0.5	112	C	0.6	176	C	0.5	176	C	0.5	176	C	1.	157	C	0	0
84	A	0.1	93	A	0.2	93	A	0.2	93	A	0.3	93	A	0.2	93	A	0.3	93	C	0.7	155	C	0.6	155	C	0.6	155	C	0.4	142	C	0	0
85	A	0.5	125	A	0.6	125	A	0.6	125	C	5.6	190	C	5.5	190	C	5.6	190	C	0.9	190	C	0.7	190	C	0.6	190	C	2.2	167	C	2	0
86	B	0.5	248	B	0.6	248	B	0.6	248	B	0.9	248	B	0.8	248	B	1.	248	A	1.2	161	A	1.2	161	A	1.1	161	A	0.3	93	A	0	0
87	A	0.4	272	A	0.5	272	A	0.5	272	A	1.	242	A	0.9	242	A	1.	242	A	2.4	192	A	2.4	192	A	2.2	192	A	1.1	183	A	0	0
88	A	0.8	168	A	0.9	168	A	0.9	168	A	1.3	168	A	1.3	168	A	1.4	168	A	1.6	197	A	1.6	197	A	1.6	197	A	0.5	107	A	0	0
89	A	2.2	224	A	2.5	224	A	2.5	224	A	3.8	224	A	3.6	224	A	3.7	224	A	1.4	161	A	1.4	161	A	1.3	161	A	0.3	107	A	0	0
90	A	0.8	328	A	0.9	328	A	0.9	328	A	1.3	328	A	1.2	328	A	1.3	328	A	1.4	200	A	1.4	200	A	1.3	200	A	1.5	189	A	0	0
91	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	B	0.	81	B	0.	81	B	0.	81	B	0.	81	B	0.	81
92	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.1	89	A	0.2	89	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92
93	A	0.2	86	A	0.2	86	A	0.2	86	A	0.2	86	A	0.2	86	A	0.2	86	A	0.2	86	A	0.2	86	A	0.2	86	A	0.2	86	A	0.2	86
94	A	0.6	120	A	0.6	120	A	0.6	120	A	0.9	120	A	0.9	120	A	0.9	120	B	6.1	619	B	6.1	619	B	6.1	619	B	6.1	619	B	6.1	619
95	A	0.4	130	A	0.5	130	A	0.5	130	A	0.3	130	A	0.3	130	A	0.3	130	A	0.4	130	A	0.4	130	A	0.4	130	A	0.3	130	A	0	0
96	A	0.6	154	A	0.6	154	A	0.6	154	A	1.	154	A	0.9	154	A	1.	154	A	1.8	274	A	2.1	274	A	1.8	274	A	1.2	274	A	2	0
97	A	0.4	128	A	0.6	128	A	0.6	128	A	0.2	128	A	0.2	128	A	0.2	128	A	0.2	128	A	0.2	128	A	0.1	128	A	0.1	128	A	0	0
98	A	0.2	102	A	0.2	102	A	0.2	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102	A	0.1	102

Table 109 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
99	A	0.3	97	A	0.3	97	A	0.3	97	A	0.2	97	A	0.2	97	A	0.3	97	A	0.3	97	A	0.3	97	A	0.3	112	A	0.3	112	A	0	0
100	A	6.5	416	A	6.6	416	A	6.6	416	A	6.2	416	A	6.2	416	A	6.2	416	A	6.3	416	A	6.3	416	A	6.3	416	A	6.3	416	A	6	6
101	A	0.9	164	A	1.1	164	A	1.1	164	A	1.3	164	A	1.2	164	A	1.3	164	A	1.7	164	A	1.8	164	A	1.7	164	A	1.5	164	A	1	1
102	A	1.2	268	A	1.3	268	A	1.4	268	A	1.5	268	A	1.4	268	A	1.5	268	A	2.1	268	A	2.2	268	A	2.1	268	A	2.4	268	A	2	2
103	A	0.5	141	A	0.6	141	A	0.6	141	A	0.6	141	A	0.5	141	A	0.6	141	A	0.8	141	A	0.8	141	A	0.6	141	A	0.6	141	A	0	0
104	B	0.5	344	B	0.6	344	B	0.6	344	B	0.6	344	B	0.5	344	B	0.6	344	B	0.9	344	B	0.9	344	B	0.8	344	B	0.7	344	B	6	6
105	A	15.4	293	A	15.6	293	A	15.7	293	A	11.	293	A	10.6	293	A	11.	293	A	17.2	476	A	15.7	476	A	15.4	476	A	12.7	273	F	0	0
106	A	29.6	615	A	29.6	615	A	30.	615	A	17.8	615	A	17.2	615	A	18.1	615	B	25.5	3359	B	25.1	3359	B	24.6	3359	C	6.4	1459	F	0	0
107	A	12.1	552	A	13.1	552	A	13.4	552	A	16.8	552	A	16.4	552	A	16.9	552	B	24.8	3194	B	24.2	3194	B	23.7	3194	C	6.4	1396	F	0	0
108	A	9.8	421	A	10.3	421	A	10.5	421	C	18.	713	C	17.8	713	C	18.	713	C	19.2	713	C	32.2	34079	C	32.1	34079	C	21.5	1239	C	18	18
109	A	8.2	365	A	9.6	365	A	9.6	365	A	14.9	365	A	14.2	365	A	15.1	365	B	23.1	2710	B	22.5	2710	B	22.2	2710	C	23.9	1280	F	0	0
110	A	5.6	249	A	7.5	249	A	7.4	249	A	9.4	249	A	8.2	249	A	9.5	249	B	17.2	534	B	15.8	534	B	15.6	534	A	10.2	212	F	0	0
111	B	11.5	751	B	16.4	972	B	12.6	751	C	18.6	1249	C	18.2	1249	C	18.6	1249	C	19.2	1249	C	31.9	50350	C	31.8	50350	C	8.7	1075	C	17	17
112	A	5.	360	A	5.9	360	A	5.8	360	A	8.8	360	A	7.9	360	A	8.4	360	A	11.3	429	A	11.	429	A	10.7	429	A	12.4	401	F	0	0
113	A	0.3	76	A	0.3	76	A	0.3	76	A	0.2	76	A	0.1	76	A	0.1	76	A	0.2	76	A	0.2	76	A	0.2	76	A	0.1	53	A	1	1
114	A	1.1	132	A	1.4	132	A	1.4	132	A	1.	132	A	0.9	132	A	1.1	132	A	1.7	132	A	1.7	132	A	1.8	133	A	1.1	112	A	1	1
115	A	1.9	256	A	2.7	256	A	2.6	256	A	2.3	256	A	2.2	256	A	3.2	256	A	6.3	323	A	5.	256	A	4.3	256	A	1.5	248	A	2	2
116	A	36.8	351	A	37.3	351	A	37.3	351	A	6.2	351	A	5.8	355	B	6.8	632	B	6.7	632	C	25.2	2145	C	26.7	2097	A	3.5	297	B	1	1
117	A	2.7	251	A	3.	251	A	3.1	251	A	4.5	251	A	4.3	255	A	4.8	255	B	6.6	630	C	22.3	2148	C	23.9	2100	A	2.6	232	A	14	14
118	A	5.3	428	A	6.2	428	A	6.	428	B	6.7	728	B	6.7	733	B	6.8	733	B	6.7	733	C	25.2	2246	C	26.7	2198	A	4.5	327	B	6	6
119	A	0.9	197	A	1.1	197	A	1.1	197	A	1.2	197	A	1.1	197	A	1.2	197	A	1.9	197	A	1.9	197	A	1.8	197	A	1.4	197	A	2	2
120	C	17.7	602	C	18.	602	C	17.9	602	C	6.7	602	C	6.6	602	C	6.7	602	C	6.6	602	C	15.4	2278	C	15.3	2278	C	6.6	602	C	8	8
121	C	4.6	421	C	5.6	421	C	5.7	421	C	6.5	538	C	6.4	538	C	6.6	538	C	6.5	538	C	15.1	2214	C	15.1	2214	C	6.3	538	C	7	7
122	A	1.3	237	A	1.6	237	A	1.6	237	A	2.4	237	A	2.1	237	A	2.	237	A	4.	237	A	4.4	237	A	4.	237	A	2.	237	A	3	3
123	A	0.7	193	A	0.8	193	A	0.8	193	A	0.8	193	A	0.7	193	A	0.8	193	A	1.2	193	A	1.3	193	A	1.2	193	A	1.4	192	A	2	2
124	A	0.3	103	A	0.3	103	A	0.3	103	A	0.3	103	A	0.3	103	A	0.3	103	A	0.4	103	A	0.5	103	A	0.4	103	A	0.3	93	A	1	1
125	C	3.3	487	C	3.7	487	C	3.9	487	C	5.7	487	C	5.3	487	C	5.7	487	C	6.7	661	C	15.6	2337	C	15.5	2337	C	6.4	661	C	6	6
126	A	0.7	169	A	0.9	169	A	0.9	169	A	1.1	169	A	1.	169	A	1.1	169	A	1.8	169	A	1.8	169	A	1.7	169	A	1.6	178	A	1	1
127	A	0.8	178	A	0.9	178	A	0.9	178	A	1.1	178	A	1.	178	A	1.1	178	A	1.7	178	A	1.7	178	A	1.6	178	A	1.8	201	A	1	1
128	A	0.3	81	A	0.3	81	A	0.3	81	A	0.2	81	A	0.1	81	A	0.2	81	A	0.2	81	A	0.2	81	A	0.2	81	A	0.2	81	A	0	0
129	A	0.2	54	A	0.2	54	A	0.2	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0	0
130	A	0.2	61	A	0.2	61	A	0.2	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0	0
131	B	49.3	8052	B	45.	21877	B	45.4	21877	B	26.9	21877	B	26.6	21877	B	27.7	33386	B	29.3	33386	B	24.4	4234	B	23.8	4234	B	25.	4230	B	22	22
132	B	48.8	7783	B	44.3	7783	B	44.5	7783	B	26.6	18991	B	26.4	18991	B	27.4	29862	B	28.7	29862	B	23.9	4069	B	23.4	4069	B	24.3	4065	B	21	21

Table 109 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
133	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
134	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
135	B	47.	8160	B	43.5	8160	B	43.6	8160	B	26.7	21987	B	26.4	21987	B	27.3	33496	B	29.2	33538	B	24.8	4384	B	24.2	4384	B	25.7	4380	B	22.	4380
136	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
137	B	83.6	5199	B	74.5	5199	B	74.7	5199	B	27.9	5301	B	27.3	5301	B	28.	5301	B	26.7	5301	B	16.8	747	B	16.4	747	B	20.1	783	B	14.	783
138	B	42.2	4538	B	36.4	4538	B	36.5	4538	B	21.4	4538	B	21.3	4538	B	21.7	4538	B	23.4	4538	B	4.4	465	B	4.1	465	B	4.1	465	B	3.	465
139	F	0	0	B	36.1	4544	B	36.1	4544	B	21.4	4544	B	21.5	4544	B	21.9	4544	B	24.7	4610	B	5.1	466	B	4.8	466	B	4.7	466	B	3.	466
140	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
141	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
142	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
143	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
144	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
145	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
146	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
147	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
148	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
149	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
150	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
151	A	0.1	107	A	0.1	107	A	0.1	107	A	0.2	107	A	0.2	107	A	0.2	107	A	0.3	101	A	0.3	101	A	0.2	101	A	0.2	101	A	0.	101
152	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
153	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
154	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
155	B	23.1	2828	B	14.4	2828	B	14.4	2828	B	15.	2828	B	14.7	2828	B	14.9	2828	B	16.1	2828	B	2.5	278	B	2.3	278	B	2.6	278	B	2.	278
156	A	0.4	77	A	0.4	77	A	0.4	77	A	0.5	77	A	0.5	77	A	0.6	77	A	0.9	77	A	0.9	77	A	0.8	77	A	0.7	77	A	0.	77
157	A	0.3	65	A	0.3	65	A	0.3	65	A	0.4	65	A	0.4	65	A	0.5	65	A	0.7	65	A	0.7	65	A	0.6	65	A	0.6	65	A	0.	65
158	A	0.6	98	A	0.7	98	A	0.7	98	A	0.6	98	A	0.6	98	A	0.7	98	A	1.	98	A	1.	98	A	0.9	98	A	0.8	98	A	0.	98
159	A	0.7	64	A	0.8	64	A	0.8	64	A	0.2	64	A	0.2	64	A	0.2	64	A	0.2	64	A	0.2	64	A	0.2	64	A	0.2	64	A	0.	64
160	A	0.5	124	A	0.5	124	A	0.5	124	A	0.4	124	A	0.4	124	A	0.4	124	A	0.5	124	A	0.6	124	A	0.5	124	A	0.5	124	A	0.	124
161	A	0.7	84	A	0.8	84	A	0.8	84	A	0.4	84	A	0.4	84	A	0.4	84	A	0.5	84	A	0.6	84	A	0.5	84	A	0.5	84	A	0.	84
162	A	0.7	87	A	0.8	87	A	0.8	87	A	0.6	87	A	0.6	87	A	0.7	87	A	0.9	87	A	0.9	87	A	0.4	108	A	0.4	108	A	0.	108
163	A	11.2	226	A	11.3	226	A	11.3	226	A	1.7	226	A	1.6	228	A	1.7	228	A	2.3	228	C	22.8	1328	C	22.7	1329	A	2.2	228	A	2.	228
164	A	2.2	334	A	2.5	334	A	2.5	334	A	3.6	334	A	3.4	336	A	4.1	336	A	6.	336	C	9.7	1456	C	10.	1457	A	5.	336	A	4.	336
165	C	28.2	14885	C	28.9	14885	C	29.1	14885	C	28.6	14885	C	28.2	14885	C	28.6	14885	F	0	0	C	30.5	26542	C	29.9	14885	A	1.1	96	A	0.	14885
166	C	30.3	24604	C	31.9	35156	C	31.9	35156	C	31.6	34674	C	31.2	24604	C	31.6	34674	F	0	0	C	31.1	34674	C	31.	34674	C	9.	511	C	7.	34674



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	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
167	C	11.1	477	C	11.7	477	C	11.8	477	C	14.3	477	C	13.7	477	C	14.	477	C	17.8	477	C	17.7	477	C	16.7	477	A	2.5	286	A	3	
168	C	8.1	386	C	9.6	386	C	9.	386	C	12.	419	C	11.9	419	C	12.2	419	C	15.	419	C	14.4	419	C	13.8	419	A	2.	237	A	3	
169	C	7.5	358	C	8.3	358	C	8.3	358	C	12.2	391	C	11.7	391	C	12.1	391	C	14.7	391	C	13.9	391	C	13.3	391	A	1.4	200	A	3	
170	C	31.9	53538	C	32.1	53538	C	32.1	53538	C	32.1	52888	C	31.9	52888	C	32.1	52888	F	0	0	C	31.5	52888	C	31.4	52888	C	6.5	560	C	8	
171	C	5.3	265	C	6.3	265	C	6.	265	C	7.7	265	C	7.4	265	C	7.9	265	C	12.2	265	C	12.4	265	C	11.3	265	A	0.8	147	A	1	
172	C	2.8	216	C	3.	216	C	3.	216	C	4.	216	C	3.8	216	C	4.1	216	C	6.3	216	C	6.5	216	C	7.	216	A	7.1	96	A	0	
173	C	29.4	21698	C	30.6	21698	C	31.2	21698	C	30.7	21698	C	30.7	21698	C	31.4	30288	F	0	0	C	30.9	30288	C	30.2	12763	C	9.6	461	C	7	
174	C	5.3	245	C	5.7	245	C	5.8	245	C	8.	245	C	7.5	245	C	8.3	245	C	12.5	317	C	12.4	317	C	11.9	317	A	0.7	146	A	1	
175	C	6.3	311	C	7.2	311	C	6.8	311	C	9.6	311	C	9.1	311	C	9.6	311	C	11.8	381	C	11.8	381	C	11.3	381	A	1.6	178	A	2	
176	B	34.6	5216	B	26.9	5216	B	26.8	5216	B	26.	5216	B	25.7	5216	B	26.5	5216	B	27.4	5216	B	14.6	872	B	14.4	872	B	15.1	872	B	13	
177	F	0	0	B	48.2	13974	B	46.6	13664	B	45.5	14144	B	32.5	10296	B	33.4	10296	B	32.2	10296	B	18.7	2179	B	18.1	2179	B	18.9	2179	B	15	

## 2.108 4\_Trig\_functions\4.3aSecant\4.3.1.3(dsin)^n(a+bsec)^m

Table 110: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 113	A 0.1 113	A 0.1 113	A 0.2 86	A 0.1 86	A 0.2 86	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A
2	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0. 92	A 0. 92	A 0. 92	A 0. 92	A 0. 92	A
3	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0.1 37	A 0.1 37	A 0.1 37	A 0.1 37	A 0. 37	A
4	A 0.1 176	A 0.1 176	A 0.1 176	A 0.4 164	A 0.3 164	A 0.4 164	A 0. 176	A 0. 176	A 0. 176	A 0. 176	A 0. 176	A
5	A 0.1 86	A 0.2 86	A 0.1 86	A 0.2 86	A 0.2 86	A 0.2 86	A 0.3 124	A 0.3 124	A 0.2 124	A 0.3 124	A 0.3 124	A
6	A 0.9 103	A 1. 103	A 1. 103	A 1.6 103	A 1.6 103	A 1.8 103	B 6.7 598	B 6.7 598	A 5.7 103	A 4.2 103	A 2.9 103	A
7	A 0.8 144	A 0.9 144	A 0.9 144	A 0.9 144	A 0.9 144	A 1. 144	A 1.3 176	A 1.3 176	A 1.2 176	A 1.3 176	A 1.3 176	A
8	B 0.9 243	B 1. 243	B 1.1 243	B 1.2 243	B 1.2 243	B 1.4 243	B 2.1 243	B 2.1 243	B 2. 243	B 1.7 243	B 1.6 243	B
9	B 1.1 317	B 1.3 317	B 1.2 317	B 1. 317	B 0.9 317	B 1.3 317	B 2. 317	B 2. 317	B 1.8 317	B 1.4 317	C 6.4 1184	B
10	B 2.3 428	B 2.6 428	B 2.6 428	B 1.3 428	B 1.2 428	B 1.6 428	B 2.5 428	B 2.5 428	B 2.3 428	B 1.8 428	C 6.7 1664	B
11	A 1.6 156	A 1.6 156	A 1.7 156	A 2.1 156	A 2. 156	A 2.7 156	A 12.5 248	A 13.1 248	A 11.8 248	A 11.5 248	A 12.2 248	A
12	B 1.8 353	B 1.9 353	B 1.9 353	B 1.3 353	B 1.2 353	B 1.4 353	B 2.4 353	B 2.7 353	B 2.2 353	B 1.7 353	C 6.4 1116	B
13	B 3.3 430	B 3.5 430	B 3.5 430	B 1.3 430	B 1.3 430	B 1.6 430	B 2.4 430	B 2.9 430	B 2.1 430	B 1.8 430	C 6.7 1664	B
14	A 0.1 32	A 0.1 32	A 0.1 32	A 0.2 32	A 0.2 32	A 0.2 32	A 0.3 37	A 0.3 37	A 0.3 37	A 0.2 37	A 0.2 37	A
15	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.3 78	A 0.3 78	A 0.3 78	A 0.3 78	A 0.3 78	A
16	A 0.3 122	A 0.3 122	A 0.3 122	A 0.5 122	A 0.5 122	A 0.6 122	A 1.9 122	A 1.9 122	A 1.9 122	A 1.9 122	A 1.5 130	A
17	B 2.2 242	B 2.4 242	B 2.4 242	B 1.6 242	B 1.5 242	B 2.4 242	B 2.7 242	B 3.9 242	B 3.6 242	B 2.6 242	C 7.5 1083	B
18	A 2.2 62	A 2.3 62	A 2.3 62	A 3.9 62	A 3.5 62	A 4. 62	A 1.7 99	A 1.8 99	A 1.6 99	A 1.6 99	A 1.6 99	A
19	A 0.1 83	A 0.2 83	A 0.2 83	A 0.2 83	A 0.2 83	A 0.2 83	A 0.5 117	A 0.5 117	A 0.5 117	A 0.4 117	B 0.4 125	B
20	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.3 38	A 0.4 38	A 0.3 38	A 0.3 38	A 0.3 40	A
21	A 0.3 121	A 0.3 121	A 0.3 121	A 0.4 121	A 0.4 121	A 0.5 121	A 0.8 121	A 0.8 121	A 0.7 121	A 0.5 121	A 0.5 121	A
22	A 0.4 138	A 0.4 138	A 0.4 138	A 0.6 138	A 0.6 138	A 1.1 138	A 2.8 138	A 2.8 138	A 2.5 138	A 1.9 138	A 1.1 135	A
23	A 0.8 137	A 0.9 137	A 0.9 137	A 0.6 137	A 0.6 137	A 0.8 137	A 1.2 137	A 1.2 137	A 1.1 137	A 0.9 137	C 6.4 601	A
24	A 0.4 106	A 0.4 106	A 0.4 106	A 0.3 106	A 0.3 106	A 0.3 106	A 0.4 106	A 0.5 106	A 0.4 106	A 0.4 106	A 0.4 106	A
25	A 0.4 120	A 0.4 120	A 0.4 120	A 0.4 120	A 0.4 120	A 0.4 120	A 0.6 120	A 0.6 120	A 0.6 120	A 0.5 120	C 0.8 149	C
26	C 10.7 205	C 16.9 205	C 16.8 205	C 17.8 205	C 16.7 205	C 18.5 266	A 44.7 267	A 43.1 267	A 38. 267	A 36.1 267	A 28.4 248	A
27	A 1.3 122	A 1.4 122	A 1.4 122	A 0.7 122	A 0.6 122	A 0.7 122	A 1.1 122	A 1.1 122	A 1. 122	A 0.6 82	A 0.8 122	A
28	A 1.9 94	A 2.1 94	A 2.1 94	A 22. 94	A 20.6 94	A 22.6 94	A 55.3 94	A 51. 94	A 40.8 94	A 37.4 82	A 25. 94	A
29	C 6.9 446	C 7.1 446	C 7. 446	C 6.6 249	C 6.3 249	C 8.7 249	C 11.9 451	C 11.5 451	C 9.5 451	C 8.5 277	C 5.9 249	C
30	A 0.4 127	A 0.4 127	A 0.4 127	C 5.7 230	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F

Table 110 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	B	6.3	277	B	1.9	277	B	1.8	277	B	2.3	277	B	2.1	277	B	18.6	2679	B	19.1	2679	B	3.2	277	B	3.	277	B	3.8	282	B	4.2	322
32	A	1.	179	A	1.	179	A	1.	179	A	2.3	179	A	1.8	123	A	2.	123	A	7.5	203	A	7.9	203	A	7.7	204	A	9.2	204	A	5.5	188
33	F	0	0	C	20.8	7069	C	20.8	7069	C	23.3	7069	C	23.2	7069	C	24.1	7069	C	25.7	7115	B	3.2	550	B	3.	550	B	3.3	550	B	2.9	550
34	B	13.7	382	B	14.4	382	B	14.8	382	B	3.3	382	B	3.1	382	C	20.6	4151	C	21.8	4151	B	4.6	382	B	4.2	382	B	6.5	382	B	5.	460
35	B	6.8	214	B	2.6	214	B	2.7	214	B	1.4	214	B	1.3	214	B	9.5	753	B	15.2	1758	B	2.	214	B	1.7	216	B	2.4	216	B	1.4	216
36	B	6.9	212	B	3.3	212	B	3.4	212	B	1.2	212	B	1.1	212	B	13.4	1743	B	14.	1743	B	1.8	212	B	1.6	212	B	1.7	212	B	1.4	212
37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37
38	A	0.	39	A	0.	39	B	0.	65	B	0.	63	B	0.	63	B	0.	63	B	0.	65	B	0.	65	B	0.	65	B	0.	65	B	0.	65
39	A	0.9	154	A	1.	154	A	1.	154	A	0.7	154	A	0.6	154	A	0.7	154	A	0.9	154	A	0.9	154	A	0.8	154	A	0.8	154	A	1.	182
40	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.2	56	A	0.2	56	A	0.2	56	A	0.2	56	A	0.3	85
41	B	6.4	696	B	6.5	696	B	6.5	696	B	6.2	696	B	6.2	696	B	6.2	696	B	6.1	696	B	6.1	696	B	6.1	696	B	6.1	696	B	6.1	696
42	A	0.7	123	A	0.7	123	A	0.7	123	A	0.7	123	A	0.6	123	A	0.7	123	A	1.1	123	A	1.1	123	A	1.	123	A	0.9	123	A	1.1	151
43	A	0.4	165	A	0.4	165	A	0.4	165	A	0.3	165	A	0.3	165	A	0.3	165	A	0.4	165	A	0.4	165	A	0.4	165	A	0.4	165	A	0.4	183
44	A	1.1	224	A	1.1	224	A	1.1	224	A	1.3	224	A	1.3	224	A	1.4	224	A	2.2	224	A	2.1	224	A	2.	224	A	2.4	224	A	2.2	224
45	A	2.7	282	A	2.8	282	A	2.9	282	A	3.8	282	A	3.5	282	A	4.	282	A	6.6	282	A	6.2	282	A	5.6	308	A	5.4	308	A	4.8	323
46	A	0.7	128	A	0.8	128	A	0.8	128	A	0.9	128	A	0.8	128	A	0.9	128	A	1.4	128	A	1.4	128	A	1.2	128	A	1.2	128	A	1.1	128
47	A	2.5	388	A	2.8	388	A	2.7	388	A	3.3	388	A	3.2	388	A	4.4	388	A	7.1	388	A	7.1	388	A	6.8	388	A	4.7	388	A	4.7	406
48	C	6.4	332	C	6.4	332	C	6.4	332	C	6.3	332	C	6.3	332	C	6.3	332	C	6.4	332	C	6.4	332	C	6.4	332	A	6.4	230	A	6.3	230
49	C	3.2	496	C	3.5	496	C	3.6	496	C	5.1	496	C	4.6	496	C	5.2	496	C	6.6	780	C	6.6	780	C	6.6	780	C	3.6	368	C	3.	368
50	C	64.1	1959	C	45.6	1959	C	53.5	1959	C	17.8	1959	C	17.3	1959	C	29.2	2159	C	34.1	2159	C	16.3	1421	C	15.5	1459	C	19.1	1459	C	17.2	1411
51	C	19.4	351	C	15.4	351	C	15.4	351	C	21.2	351	C	19.9	351	C	35.7	548	C	50.	548	C	19.4	351	C	18.2	351	C	30.8	351	C	42.7	351
52	A	10.5	255	A	10.9	276	A	10.9	276	A	11.5	276	A	11.2	276	A	11.6	276	A	13.6	276	A	13.	276	A	12.5	276	A	9.2	269	A	12.	276
53	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	0.1	98	A	1.8	186	A	1.8	186	A	1.7	186	A	1.7	186	A	3.4	158
54	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
55	A	1.1	111	A	1.2	111	A	1.2	111	A	1.	111	A	0.9	111	A	0.9	111	A	1.	111	A	2.9	111	A	2.8	111	A	1.	91	C	4.9	95
56	C	0.7	130	C	10.8	130	C	10.8	130	C	0.9	130	C	0.9	130	C	0.9	130	A	9.4	220	A	3.7	220	A	3.5	220	A	3.8	220	C	1.	139
57	C	1.1	165	C	1.2	165	C	1.2	165	C	1.4	165	C	1.4	165	C	1.5	165	A	17.7	365	A	11.9	365	A	11.8	365	A	11.9	365	C	4.	109
58	C	14.3	164	C	14.6	164	C	14.6	164	C	8.7	164	C	8.1	164	C	8.6	164	A	20.8	302	A	20.6	302	A	17.7	302	A	20.6	302	A	89.4	219
59	C	1.5	100	C	1.8	100	C	1.7	100	C	1.2	100	C	1.1	100	C	1.2	100	C	2.	91	C	1.9	91	C	1.7	91	C	1.7	91	C	1.2	91
60	A	1.8	115	A	2.	115	A	2.	115	A	1.3	115	A	1.2	115	A	1.4	115	A	1.9	115	A	2.	115	A	1.8	115	A	2.3	219	A	1.3	113
61	C	2.1	125	C	2.6	125	C	2.4	125	C	2.2	125	C	2.1	125	C	2.5	125	C	6.6	203	C	6.4	203	C	6.2	203	C	6.1	203	C	2.2	117
62	A	2.6	94	A	2.8	94	A	2.7	94	A	2.3	94	A	2.2	94	A	2.4	94	B	6.4	365	B	6.4	365	B	6.4	365	A	5.8	82	A	1.2	94

## 2.109 4\_Trig\_functions\4.3aSecant\4.3.1.4(dtan)^n(a+bsec)^m

Table 111: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.3 106	A 0.3 106	A 0.5 106	A 0.5 106	A 0.4 106	A 0.5 106	A 0.1 118	A 0.1 118	A 0.1 118	A 0.1 118	A 0.1 118
2	A 0.1 87	A 0.1 87	A 0.3 82	A 0.3 82	A 0.3 82	A 0.3 82	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87
3	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0.1 25	A 0.1 25	A 0.1 25	A 0.1 25	A 0.1 25
4	A 0.1 160	A 0. 160	A 0.2 175	A 0.6 127	A 0.5 127	A 0.7 127	A 0.1 160	A 0.1 160	A 0.1 160	A 0.1 160	A 0.1 160
5	A 0. 179	A 0. 179	A 0. 179	A 1.4 95	A 1.3 95	A 1.5 95	A 3.4 170	A 3.4 170	A 3.1 170	A 3.1 170	A 2.9 170
6	A 0.2 86	A 0.2 86	A 0.2 86	A 0.3 86	A 0.3 86	A 0.3 86	A 0.7 120	A 0.7 120	A 0.6 120	A 0.6 120	A 0.6 120
7	A 0.1 114	A 0.2 114	A 0.2 114	A 0.2 114	A 0.2 114	A 0.2 114	A 1.1 230	A 1.2 230	A 1. 230	A 1.1 230	A 1.2 145
8	A 0.6 218	A 0.7 218	A 0.6 218	B 1.5 337	B 1.4 337	B 2.3 337	B 5.6 337	B 5.7 337	B 4.4 337	B 2. 337	B 2.2 768
9	C 0. 46	C 0. 46	C 0. 46	C 0. 46	C 0. 46	C 0. 46	A 0.1 25	A 0.1 25	A 0.1 25	A 0.1 25	A 0.1 25
10	C 0.6 121	C 0.6 121	C 0.6 121	B 1.2 312	B 1. 312	B 1.2 312	B 1.9 312	B 1.8 312	B 1.6 312	B 1.6 312	B 3.7 312
11	C 1.5 141	C 1.6 141	C 1.6 141	B 1.9 428	B 1.8 428	B 2.2 428	B 3.7 428	B 3.4 428	B 3.2 428	B 2.9 428	C 7.1 1823
12	A 0. 44	A 0. 44	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 38	A 0.1 38	A 0. 38	A 0. 38	A 0. 38
13	A 0.5 200	A 0.6 200	A 0.6 200	A 1.4 303	A 1.3 303	A 1.6 303	A 3.6 303	A 3.4 303	A 3.2 303	A 1.7 303	B 1.8 666
14	C 3. 159	C 3.3 159	C 3.3 159	A 6.2 268	A 5.7 268	B 7.1 1035	B 7.8 1035	B 7.8 1035	B 7.6 1035	B 7.8 1035	C 7.7 2079
15	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0.1 22	A 0.1 22	A 0.1 22	A 0.1 22	A 0. 22
16	A 0.4 97	A 0.4 97	A 0.4 97	A 0.7 107	A 0.6 107	A 0.7 107	A 2.6 105	A 2.5 105	A 2.3 105	A 2.2 105	A 1.8 95
17	B 1.9 301	B 2.2 301	B 2.1 301	B 0.9 301	B 0.9 301	B 1. 301	B 3.7 301	B 3.7 301	B 3.4 301	B 1.2 301	B 1.4 666
18	A 0.5 154	A 0.6 154	A 0.6 154	A 0.9 154	A 0.8 154	A 1.1 154	A 3.3 151	A 3.1 151	A 2.7 151	A 2.5 151	A 1.7 151
19	B 6.9 767	B 7. 767	B 7. 767	B 6.4 767	B 6.3 767	B 6.4 767	B 6.5 767	B 6.5 767	B 6.4 767	B 6.4 767	B 6.4 767
20	B 0.8 177	B 0.9 177	B 1. 177	B 0.5 177	B 0.5 177	B 0.5 177	B 0.8 177	B 0.7 177	B 0.7 177	B 0.7 177	B 0.6 177
21	A 0.4 140	A 0.4 140	A 0.4 140	A 0.3 140	A 0.3 140	A 0.3 140	A 1.5 140	A 1.5 140	A 1.3 140	A 1.3 140	A 1.1 140
22	B 1.3 241	B 1.5 241	B 1.5 241	B 1. 241	B 0.9 241	B 1.1 241	B 2. 241	B 1.7 241	B 1.6 241	B 1.3 241	B 1.1 241
23	C 2. 196	C 2.1 196	C 2.1 196	C 2.7 196	C 2.6 196	C 3.2 196	C 16.6 312	C 14. 312	C 13.9 312	C 12.1 229	C 11. 251
24	C 3.4 106	C 11.3 106	C 11.3 106	C 1.5 106	C 1.4 106	C 1.4 106	C 6.5 249	C 6.1 249	C 5.6 249	C 5. 249	C 143.1 130
25	C 4.2 220	C 12.4 220	C 12.5 220	C 2.8 220	C 2.6 220	C 2.8 220	C 5.4 218	C 5.1 218	C 4.6 218	C 4.5 218	C 52.4 131
26	C 15.1 271	C 21.2 271	C 20.7 271	C 52.5 271	C 48.7 271	C 34.6 271	C 42. 262	C 35.5 262	C 33.2 262	C 31.2 262	C 42.5 144
27	A 0.4 102	A 0.4 102	A 0.4 102	A 0.6 102	A 0.6 102	A 0.6 102	B 8.7 533	B 8.4 533	B 8.2 533	B 5.8 339	A 3.5 185
28	C 0.2 87	C 0.2 87	C 0.2 87	C 0.3 87	C 0.3 87	C 0.3 87	B 6.1 273	C 25.6 8295	C 25.5 8295	A 1.4 195	B 3.9 287
29	A 0.6 110	A 6.5 110	A 6.8 110	A 5.8 110	A 5.8 110	A 5.9 110	C 14.2 681	C 31.7 8035	C 31.6 8035	C 17.6 681	C 11.1 681
30	A 3.7 210	A 4. 210	A 4. 210	C 24.2 5594	C 23.8 5604	C 24.2 5604	A 7.6 274	C 26.9 14226	C 26.5 14226	A 1.2 193	A 6.7 224

Table 111 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	C	0.2	104	C	0.2	104	C	0.2	104	C	0.3	104	C	0.3	104	C	0.3	104	A	7.1	311	C	25.7	8331	C	25.6	8331	A	6.2	312	A	5.9	309
32	A	1.8	147	A	8.	147	A	7.9	147	A	8.6	147	A	8.4	147	A	8.9	147	C	14.7	1214	C	32.3	8605	C	32.2	8605	C	16.9	1214	C	10.4	1214
33	A	0.4	97	A	6.4	97	A	6.4	97	A	5.6	97	A	5.5	97	A	5.6	97	C	13.3	604	C	31.7	7947	C	31.6	7947	C	14.8	604	C	9.3	604
34	A	0.3	102	A	0.3	102	A	0.3	102	A	0.4	102	A	0.4	102	A	0.4	102	C	11.3	389	C	25.5	7708	C	25.5	7708	C	10.7	389	C	8.4	389
35	A	0.5	156	A	0.5	156	A	0.5	156	A	0.8	156	A	0.7	156	A	0.8	156	B	10.5	925	B	10.	925	B	9.8	925	B	8.3	449	B	7.6	925
36	A	0.7	109	A	0.6	109	A	0.7	109	A	1.4	138	A	1.3	138	A	1.5	138	B	8.1	355	C	25.6	8319	C	25.6	8319	B	6.2	300	B	3.6	305
37	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	66	B	2.8	165	B	2.7	165	B	2.5	165	B	2.	189	B	2.5	162
38	C	0.	38	C	0.	38	C	0.	38	C	0.	38	C	0.	38	C	0.	38	B	2.1	179	B	2.	179	B	1.9	179	B	4.	167	B	1.2	168
39	C	0.1	90	C	0.1	90	C	0.1	90	C	0.2	90	C	0.2	90	C	0.1	90	B	7.9	375	C	25.7	8337	C	25.5	8337	A	6.1	320	A	4.7	326
40	A	0.	50	A	0.	50	A	0.	50	A	0.1	50	A	0.1	50	A	0.1	50	B	3.7	179	B	3.7	179	B	3.3	179	B	6.	167	B	2.	168
41	B	6.	447	B	6.1	447	B	6.	447	B	6.1	447	B	6.1	447	B	6.1	447	C	11.7	431	C	25.7	7739	C	25.4	7739	C	12.8	431	C	8.1	431
42	A	5.7	241	A	6.	241	A	5.8	241	C	24.3	5584	C	23.8	5594	C	24.3	5594	A	7.3	276	C	26.9	14214	C	26.6	14214	A	5.	179	A	6.8	276
43	A	0.5	105	A	0.4	105	A	0.5	105	A	0.8	105	A	0.7	105	A	1.	105	C	18.8	2548	C	13.5	858	C	13.3	858	C	14.3	858	C	6.6	381
44	C	9.2	329	C	10.	329	C	10.1	329	C	6.9	329	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
45	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
46	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
47	A	0.3	87	A	0.3	87	A	0.3	87	A	0.5	87	A	0.4	87	A	0.5	87	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
48	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	1.5	53	A	1.4	53	A	1.3	53	A	1.7	53	A	0.9	53
49	B	14.9	910	B	6.1	910	B	6.1	910	B	11.3	910	B	15.	2419	B	15.3	2419	B	16.8	2419	B	5.2	410	B	5.2	410	B	6.	410	B	4.	419
50	B	2.6	893	B	2.9	893	B	2.8	893	B	5.	893	B	15.3	2492	B	15.8	2492	B	17.7	2492	B	6.3	360	B	6.	360	B	6.7	360	B	4.9	416
51	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
52	C	5.9	169	C	12.8	169	C	12.9	169	C	1.9	169	C	1.8	169	C	1.9	169	C	2.7	169	C	8.3	169	C	7.2	169	C	2.3	169	C	2.4	225
53	C	1.3	189	C	1.4	189	C	1.4	189	C	1.7	189	C	1.6	189	C	1.8	189	C	9.9	200	C	7.7	200	C	7.4	202	C	7.4	202	C	5.3	216
54	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
55	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.1	25	A	0.1	25	A	0.1	25	A	0.1	25	A	0.1	25
56	A	0.	117	A	0.	117	A	0.	117	A	0.7	79	A	0.6	79	A	0.7	79	B	6.1	230	B	6.1	230	B	6.1	230	B	6.1	230	B	6.	230
57	C	0.	92	C	0.	92	C	0.	92	C	0.1	92	C	0.	92	C	0.	92	B	0.1	300	B	0.1	300	B	0.1	300	B	0.1	300	B	0.1	300
58	A	0.5	89	A	0.6	89	A	0.6	89	A	0.5	82	A	0.5	82	A	0.5	82	A	0.6	82	A	0.6	82	A	0.6	82	A	0.6	82	A	0.7	82
59	A	0.5	39	A	0.6	39	A	0.6	39	A	0.4	39	A	0.4	39	A	0.4	39	A	0.5	39	A	0.4	39	A	0.4	39	A	0.4	39	A	0.4	39
60	C	0.2	70	C	0.3	70	C	0.3	70	A	0.5	122	A	0.5	122	A	0.5	122	A	0.6	122	A	0.6	122	A	0.5	122	A	0.5	122	A	0.5	122
61	C	0.4	84	C	0.4	84	C	0.4	84	A	0.6	198	A	0.6	198	A	0.7	198	A	0.9	198	A	0.9	198	A	0.8	198	A	0.7	198	A	0.8	198
62	A	3.6	228	A	3.8	228	A	3.9	228	B	6.2	520	B	6.2	520	B	6.2	520	B	6.3	520	B	6.3	520	B	6.3	520	B	6.3	520	B	6.2	520
63	A	0.1	82	A	0.2	82	A	0.2	82	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70
64	B	1.7	287	B	1.8	287	B	1.8	287	B	2.2	287	B	2.1	287	B	2.4	287	B	5.2	287	B	4.9	287	B	3.8	287	B	3.2	287	B	2.9	287

Table 111 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size			
65	A	0.3	136	A	0.4	136	A	0.4	136	A	0.4	189	A	0.3	189	A	0.4	189	A	0.6	189	A	0.6	189	A	0.6	189	A	0.4	189	A	0.5	207
66	C	22.8	548	C	20.	548	C	20.3	548	C	7.4	202	C	7.	202	C	9.2	202	C	21.1	755	C	17.1	548	C	16.4	548	C	18.9	548	C	18.4	1786
67	C	68.	2169	C	53.8	2169	C	53.7	2169	C	24.5	2169	C	23.9	2169	C	28.	2554	C	29.7	2554	C	33.	1553	C	24.4	1565	C	23.8	1820	C	21.8	1986
68	A	0.3	100	A	0.3	100	A	0.3	100	B	6.1	218	B	6.2	218	B	6.8	218	C	25.6	2955	B	5.1	528	B	4.9	528	C	19.7	614	C	35.8	614
69	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
70	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
71	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0

## 2.110 4\_Trig\_functions\4.3aSecant\4.3.2.1(a+bsec)^m(c+dsec)^n

Table 112: Breakdown of results for each integral

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
1	A	1.	146	A	1.1	146	A	1.1	146	A	1.4	146	A	1.3	146	A	1.4	146	A	7.6	188	A	7.8	188	A	6.9	188	A	5.9	188
2	B	1.6	201	B	1.5	201	B	1.6	201	B	0.3	169	B	0.3	169	B	0.3	169	B	0.4	169	B	0.4	169	B	0.4	169	B	0.4	169
3	A	1.2	151	A	1.3	151	A	1.2	151	A	0.7	171	A	0.6	171	A	0.6	171	A	1.	171	A	1.	171	A	0.9	171	A	0.8	171
4	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.1	61	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67
5	C	3.5	275	C	3.5	275	C	3.3	275	B	2.7	240	B	2.3	240	B	2.7	240	B	4.5	240	B	4.2	240	B	3.8	240	B	3.3	240
6	A	1.2	161	A	1.3	161	A	1.2	161	A	0.7	227	A	0.6	227	A	0.7	227	A	1.	227	A	1.	227	A	0.9	227	A	0.9	227
7	C	2.9	351	C	3.	351	C	3.	351	B	3.4	384	B	3.	384	B	3.8	384	B	6.	384	B	5.5	384	B	5.5	384	B	4.7	384
8	C	0.8	70	C	0.9	70	C	0.9	70	B	1.4	257	B	1.2	257	B	1.8	257	B	3.3	257	B	2.8	257	B	2.9	257	B	1.7	257
9	C	5.1	91	C	5.5	91	C	5.5	91	A	1.3	383	A	1.2	383	A	1.7	383	A	2.7	383	A	2.7	383	A	2.4	383	A	1.8	383
10	C	1.	70	C	1.1	70	C	1.1	70	B	1.1	257	B	1.	257	B	1.4	257	B	3.3	257	B	3.3	257	B	2.9	257	B	1.2	257
11	C	5.9	91	C	5.9	91	C	5.9	91	B	1.8	441	B	1.7	441	B	2.4	441	B	4.	441	B	4.	441	B	3.5	441	B	2.5	441
12	C	0.5	59	C	0.5	59	C	0.5	59	C	0.3	78	C	0.2	78	C	0.3	78	C	12.	471	C	25.7	7769	C	25.4	7769	A	2.	102
13	C	0.5	70	C	0.6	70	C	0.6	70	A	4.4	102	A	4.2	102	A	4.5	102	C	11.6	465	C	25.7	7766	C	25.5	7766	A	1.4	93
14	C	4.2	73	C	4.5	73	C	4.4	73	C	7.9	361	C	7.9	361	C	8.	361	C	6.2	507	C	6.3	7815	C	6.2	7815	B	6.7	491
15	C	0.4	83	C	0.4	83	C	0.4	83	C	24.3	5576	C	23.8	5586	C	24.4	5586	A	7.5	268	C	27.	14195	C	26.6	14195	A	2.7	220
16	A	2.7	132	A	2.8	132	A	2.8	132	A	2.	132	A	1.8	132	A	2.	132	A	6.3	236	A	6.6	236	A	5.9	237	A	5.3	237
17	C	0.5	102	C	0.6	102	C	0.6	102	C	24.2	5629	C	23.7	5639	C	24.2	5639	A	7.6	321	C	27.2	14256	C	26.8	14256	A	6.8	291
18	A	1.6	84	A	1.8	84	A	1.8	84	C	6.3	149	C	5.8	149	C	6.5	149	C	10.6	149	C	8.5	149	C	9.1	149	C	7.8	149
19	A	0.5	72	A	0.6	72	A	0.6	72	C	2.3	162	C	2.2	162	C	2.4	162	C	10.4	162	C	8.4	162	C	8.6	162	C	6.5	162
20	A	0.3	68	A	0.4	68	A	0.4	68	C	1.1	128	C	1.1	128	C	1.3	128	C	7.8	128	C	6.5	128	C	7.	128	C	5.5	128
21	A	0.7	76	A	0.7	76	A	0.7	76	C	1.2	115	C	1.1	115	C	1.2	115	C	2.	115	C	1.8	115	C	1.6	115	C	1.4	115
22	A	0.5	65	A	0.5	65	A	0.5	65	C	1.1	111	C	1.	111	C	1.3	111	C	7.7	111	C	6.7	111	C	6.9	111	C	5.3	111
23	A	0.9	76	A	0.9	76	A	0.9	76	C	1.8	155	C	1.8	155	C	2.1	155	C	3.2	155	C	3.1	155	C	2.7	155	C	2.4	155
24	A	4.5	106	A	4.8	106	A	4.8	106	C	5.5	285	C	5.5	285	C	6.	285	C	7.3	285	C	7.2	285	C	6.8	285	C	5.8	285
25	A	0.5	69	A	0.6	69	A	0.5	69	C	18.7	181	C	17.2	181	C	19.2	181	C	32.1	181	C	27.2	181	C	30.2	181	C	22.5	181
26	A	0.3	61	A	0.3	61	A	0.3	61	C	10.	103	C	9.2	103	C	10.1	103	C	36.4	103	C	29.	103	C	31.1	103	C	25.7	103
27	A	0.3	54	A	0.3	54	A	0.3	54	C	1.1	104	C	1.1	104	C	1.2	104	C	2.1	122	C	2.	122	C	1.7	122	C	1.5	122
28	A	0.5	122	A	0.5	122	A	0.5	122	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
29	B	33.3	810	B	33.2	810	B	33.3	810	B	18.3	810	B	17.9	814	B	18.6	814	B	18.4	814	B	18.9	814	B	18.1	814	F	0	0
30	A	0.4	76	A	0.4	76	A	0.4	76	A	0.3	76	A	0.3	76	A	0.3	76	A	0.3	76	C	11.8	407	C	25.7	7715	C	25.4	7715

Table 112 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	A	9.4	551	A	9.9	551	A	10.	551	C	26.1	3344	C	25.4	3368	C	26.2	3368	C	28.4	3368	C	45.5	1801032	C	44.1	1801032	A	6.7	660
32	A	3.4	231	C	7.9	787	C	7.9	787	C	7.3	787	C	7.2	787	C	8.9	787	A	7.2	231	C	31.1	50395	C	31.	50395	A	0.7	140
33	A	0.4	92	A	0.5	92	A	0.5	92	A	0.3	92	A	0.3	92	A	0.3	92	A	2.5	135	C	28.4	21324	C	27.9	21324	A	0.2	92
34	A	11.2	470	A	11.6	470	A	11.7	470	C	38.2	582620	C	37.4	581056	C	38.4	581056	B	32.6	2118	C	49.2	2160126	C	47.6	2160126	A	7.2	909
35	B	7.2	343	B	7.4	343	B	7.4	343	C	27.	11243	C	26.7	10177	C	27.2	11253	B	8.2	343	C	28.7	21524	C	28.2	21524	A	4.2	177
36	A	14.1	240	A	14.1	240	A	14.1	240	A	18.3	240	A	17.9	240	A	18.7	240	A	19.7	240	A	19.8	240	A	19.3	240	A	19.	240
37	A	0.6	102	A	0.6	102	A	0.6	102	A	0.2	102	A	0.2	102	A	0.2	102	A	0.3	102	A	0.3	102	A	0.2	102	A	0.2	102
38	A	0.6	171	A	0.7	171	A	0.7	171	A	0.3	171	A	0.3	171	A	0.3	171	A	18.3	178	A	18.4	178	A	18.1	178	A	18.2	178
39	A	0.2	68	A	0.2	68	A	0.2	68	A	0.2	68	A	0.1	68	A	0.2	68	A	0.2	68	A	0.2	68	A	0.2	68	A	0.2	68
40	A	3.9	438	A	4.1	438	A	4.3	438	A	3.2	438	A	3.2	438	A	3.5	438	A	5.4	438	A	5.5	438	A	5.5	438	A	4.9	438
41	A	7.9	225	A	7.7	225	A	7.9	225	A	4.4	225	A	4.1	229	A	4.7	229	A	5.3	229	C	32.7	262648	C	32.6	262648	A	4.7	229
42	B	14.1	1589	B	14.6	1589	B	14.4	1589	C	17.1	2083	C	16.9	2083	C	17.8	2083	C	21.4	2083	C	33.9	103946	C	34.	103946	C	6.6	1495
43	B	7.1	1990	B	7.2	1990	B	7.2	1990	B	6.9	1990	B	6.7	1960	B	6.9	1960	B	7.	1960	B	7.1	1960	B	7.	1960	B	6.9	1960
44	B	7.4	2344	B	7.6	2344	B	7.6	2344	B	7.3	2344	B	7.2	2314	B	7.6	2314	B	7.7	2314	B	7.8	2314	B	7.7	2314	B	7.6	2314
45	B	8.4	2979	B	8.6	2979	B	8.6	2979	B	8.3	2979	B	8.1	2949	B	9.1	2949	B	9.3	2949	B	9.5	2949	B	9.2	2949	B	9.2	2949
46	C	38.2	50041	C	37.	50041	C	37.1	50041	C	32.9	49385	C	32.6	49385	C	33.1	49385	F	0	0	C	31.5	49385	C	31.4	49385	F	0	0
47	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
48	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
49	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0



## 2.111 4\_Trig\_functions\4.3aSecant\4.3.2.3(gsec)<sup>p</sup>(a+bsec)<sup>m</sup>(c+dsec)<sup>n</sup>

Table 113: Breakdown of results for each integral

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
1	B	0.6	132	B	0.6	132	B	0.6	132	B	0.8	313	B	0.7	313	B	0.8	313	B	1.1	313	B	1.2	313	B	1.1	313	B	1.	313	B	0.9	
2	A	5.1	65	A	5.1	65	A	5.1	65	A	0.4	139	A	0.4	139	A	0.4	139	A	0.6	139	A	0.6	139	A	0.6	139	A	0.5	139	C	6.2	
3	A	1.1	91	A	1.2	91	A	1.2	91	A	1.6	91	A	1.5	91	A	1.8	91	A	18.3	195	A	18.9	195	A	17.9	195	A	16.3	195	A	16.1	
4	A	0.	80	A	0.	80	A	0.	80	A	0.2	51	A	0.2	51	A	0.2	51	A	1.6	91	A	1.7	91	A	1.6	91	A	1.4	91	A	1.3	
5	C	0.6	65	C	0.6	65	C	0.6	65	B	3.7	402	B	3.2	402	B	4.6	402	B	6.4	671	B	6.4	671	B	6.3	671	B	4.9	402	B	2.	
6	A	0.2	139	A	0.2	139	A	0.2	139	A	0.1	139	A	0.1	139	A	0.1	139	A	0.2	139	A	0.2	139	A	0.2	139	A	0.1	139	A	0.1	
7	A	0.4	59	A	0.5	59	A	0.4	59	A	0.8	167	A	0.7	167	A	0.8	167	A	1.2	167	A	1.2	167	A	1.1	167	A	1.	167	C	6.2	
8	C	0.5	53	C	0.5	53	C	0.5	53	B	2.8	287	B	3.	287	B	3.7	287	B	6.2	287	B	6.	287	B	6.3	720	B	4.5	287	B	2.1	
9	C	0.3	62	C	0.4	62	C	0.3	62	B	1.7	220	B	1.5	220	B	1.8	220	B	2.7	220	B	2.8	220	B	2.6	220	B	2.2	220	B	1.1	
10	A	1.3	79	A	1.4	79	A	1.4	79	A	1.	145	A	0.9	145	A	1.1	145	A	1.7	145	A	1.9	145	A	1.7	145	A	1.2	145	C	6.6	
11	A	0.	33	A	0.	33	A	0.	33	A	0.1	33	A	0.	33	A	0.1	33	B	0.1	100	B	0.1	100	B	0.1	100	B	0.1	100	B	0.1	
12	A	0.2	139	A	0.2	139	A	0.2	139	A	0.1	139	A	0.1	139	A	0.1	139	A	0.2	139	A	0.2	139	A	0.2	139	A	0.1	139	A	0.1	
13	A	0.	50	A	0.	50	A	0.	50	A	0.1	50	A	0.1	50	A	0.1	50	B	0.1	159	B	0.1	159	B	0.1	159	B	0.1	159	B	0.1	
14	A	4.7	109	A	5.	109	A	5.	109	B	1.7	257	B	1.6	257	B	1.8	257	B	2.8	257	B	3.1	257	B	3.	257	B	2.4	257	C	6.9	
15	A	1.9	70	A	2.1	70	A	2.1	70	A	0.9	86	A	0.9	86	A	0.9	86	A	1.4	86	A	1.5	86	A	1.4	86	A	1.2	86	A	0.8	
16	A	0.6	60	A	0.6	60	A	0.6	60	A	0.5	76	A	0.5	76	A	0.5	76	A	0.8	76	A	0.9	76	A	0.8	76	A	0.6	76	A	0.7	
17	A	2.2	88	A	2.2	88	A	2.2	88	A	1.7	88	A	1.5	88	A	1.7	88	A	2.4	88	A	2.6	88	A	2.3	88	A	2.2	88	A	1.8	
18	A	1.5	78	A	1.5	78	A	1.5	78	A	1.3	78	A	1.2	78	A	1.4	78	A	1.9	78	A	2.1	78	A	1.9	78	A	1.7	78	A	1.5	
19	A	0.8	78	A	0.9	78	A	0.8	78	A	1.3	78	A	1.1	78	A	1.7	78	A	2.3	78	A	2.7	78	A	2.3	78	A	1.3	78	A	0.9	
20	A	0.3	66	A	0.3	66	A	0.3	66	A	0.7	66	A	0.6	66	A	1.1	66	A	1.6	66	A	1.8	66	A	1.6	66	A	0.6	66	A	0.5	
21	A	0.9	55	A	0.9	55	A	0.9	55	A	0.7	55	A	0.7	55	A	0.8	55	A	1.	55	A	1.1	55	A	1.	55	A	1.	55	A	0.8	
22	A	0.7	72	A	0.8	72	A	0.8	72	A	0.8	86	A	0.7	86	A	0.8	86	A	1.1	86	A	1.2	86	A	1.1	86	A	1.1	86	A	0.9	
23	C	0.5	64	C	0.5	64	C	0.5	64	C	1.5	365	C	1.4	365	C	1.6	365	C	6.8	395	C	6.9	395	C	6.8	395	C	6.7	395	C	6.6	
24	A	0.7	70	A	0.7	70	A	0.7	70	B	0.5	87	B	0.4	87	B	0.5	87	B	0.7	87	B	0.7	87	B	0.7	87	B	0.6	87	B	0.7	
25	A	0.5	60	A	0.6	60	A	0.5	60	A	0.3	73	A	0.3	73	A	0.3	73	A	0.5	73	A	0.5	73	A	0.4	73	A	0.4	73	A	0.4	
26	A	2.5	84	A	2.7	84	A	2.8	84	A	1.1	108	A	1.1	108	A	1.2	108	A	1.7	108	A	1.8	108	A	1.6	108	A	1.6	108	A	1.1	
27	A	0.6	70	A	0.6	70	A	0.6	70	C	1.1	134	C	1.1	134	C	1.2	134	C	1.8	134	C	1.7	134	C	1.6	134	C	1.4	134	C	1.2	
28	A	5.3	68	A	5.4	68	A	5.3	68	A	1.3	100	A	1.2	100	A	1.3	100	A	2.	100	A	2.1	100	A	2.	100	A	1.8	100	A	1.6	
29	A	1.1	76	A	1.1	76	A	1.1	76	A	0.8	92	A	0.8	92	A	0.8	92	A	1.2	92	A	1.3	92	A	1.2	92	A	1.1	92	A	1.	
30	A	0.6	78	A	0.7	78	A	0.6	78	C	1.4	188	C	1.3	188	C	1.5	188	C	2.3	188	C	2.2	188	C	2.	188	C	1.5	188	C	1.4	

Table 113 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8	
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu
31	A	0.7	81	A	0.8	81	A	0.8	81	C	1.7	182	C	1.6	182	C	1.9	182	C	2.8	182	C	2.8	182	C	2.6	182	C	2.2	182	C	1.6
32	A	0.2	50	A	0.3	50	A	0.3	50	C	0.9	140	C	0.9	140	C	1.	140	C	1.5	118	C	1.5	118	C	1.3	118	C	1.1	118	C	0.9
33	A	0.3	60	A	0.3	60	A	0.3	60	C	1.5	157	C	1.4	157	C	1.5	157	C	1.6	129	C	1.6	129	C	1.4	129	C	1.2	129	C	1.8
34	A	0.2	89	A	0.2	89	A	0.2	89	A	0.3	89	A	0.2	89	A	0.3	89	A	1.5	157	A	1.6	157	A	1.5	157	A	2.3	157	A	1.1
35	A	0.3	67	A	0.3	67	A	0.3	67	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0
36	A	2.3	105	A	2.6	105	A	2.6	105	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0
37	A	6.8	328	A	6.2	328	A	6.3	328	A	2.9	328	A	2.7	328	A	3.	328	A	4.7	328	A	5.	328	A	4.6	328	A	2.3	327	A	3.5
38	A	2.3	158	A	2.5	158	A	1.2	153	A	1.9	153	A	1.8	153	A	2.	153	A	2.8	366	A	2.9	366	A	2.7	366	A	2.	366	B	4.1
39	A	0.4	80	A	0.4	80	A	0.3	75	A	0.5	75	A	0.4	75	A	0.5	75	B	1.2	240	B	1.2	240	B	1.1	240	B	1.	240	B	3.3
40	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	A	0.	75	B	1.1	154	B	1.1	154	B	1.	154	B	1.	154	B	0.8
41	A	1.5	112	A	1.6	112	A	1.5	100	B	1.	479	B	1.	479	B	1.8	479	B	3.1	479	B	3.	479	B	2.6	479	B	2.6	383	C	6.3
42	C	1.8	249	C	2.	249	C	2.	249	C	1.4	249	C	1.3	249	C	1.4	249	C	2.1	249	C	2.3	249	C	2.1	249	C	2.1	249	C	1.7
43	A	6.5	322	A	7.1	322	A	7.1	322	A	9.3	322	A	8.9	322	A	14.9	322	A	22.2	322	A	22.6	322	A	22.	348	A	12.7	348	A	12.
44	A	0.7	76	A	0.8	76	A	0.8	76	A	0.3	76	A	0.2	76	A	0.2	76	A	0.3	76	A	0.3	76	A	0.3	76	A	0.3	76	A	0.7
45	C	3.2	376	C	3.6	376	C	3.6	376	C	4.2	376	C	3.9	376	C	4.4	376	C	6.5	376	C	7.	376	C	6.6	376	C	6.2	376	C	4.5
46	A	3.6	292	A	3.9	292	A	3.8	292	A	2.6	292	A	2.4	292	A	2.6	292	A	3.7	292	A	3.9	292	A	3.5	292	A	3.8	292	C	6.4
47	A	14.	187	A	13.9	187	A	14.	187	A	17.3	187	A	17.	187	A	17.5	187	A	17.	187	A	17.4	187	A	17.	187	A	17.7	187	A	15.8
48	A	0.7	107	A	0.8	107	A	0.8	107	A	0.2	107	A	0.2	107	A	0.2	107	A	0.3	107	A	0.3	107	A	0.3	107	A	0.3	107	A	2.
49	A	0.7	171	A	0.8	171	A	0.8	171	A	0.3	171	A	0.3	171	A	0.3	171	A	17.9	200	A	18.4	200	A	17.8	200	A	17.7	200	A	15.3
50	A	4.4	206	A	4.6	206	A	2.7	201	A	4.4	201	A	4.3	201	B	6.2	654	A	3.7	365	A	4.1	365	A	3.3	373	A	2.6	373	B	5.2
51	B	4.9	580	B	5.4	580	B	5.3	580	B	4.7	580	B	4.1	580	B	4.3	580	B	6.3	1150	B	6.3	1150	B	6.3	1150	B	6.3	1150	B	4.8
52	A	4.7	511	A	5.1	511	A	4.9	511	A	4.3	511	A	3.4	511	A	3.7	511	A	5.1	511	A	5.6	511	A	5.2	511	B	6.3	978	A	4.5
53	A	0.4	97	A	0.4	97	A	0.4	97	A	0.4	97	A	0.4	97	A	0.4	97	A	0.5	97	A	0.5	97	A	0.5	97	A	0.5	97	A	0.4
54	C	38.5	44664	C	37.1	44664	C	37.1	44664	C	32.7	44216	C	32.5	44216	C	32.8	44216	F	0	0	C	31.7	44216	C	31.5	44216	F	0	0	F	0
55	C	24.9	223	C	25.2	223	C	25.1	223	C	4.	223	C	3.8	223	C	4.1	223	C	3.1	223	B	12.9	1822	B	12.6	1822	C	3.3	223	C	1.6
56	A	1.1	83	A	1.3	83	A	1.2	83	A	0.2	83	A	0.2	83	A	0.2	83	A	0.3	83	A	0.3	83	A	0.3	83	A	0.2	83	A	0.9
57	B	2.9	151	B	3.2	151	B	3.2	151	B	1.	151	B	0.9	151	B	1.	151	B	1.5	151	B	1.6	151	B	1.5	151	B	1.4	151	B	7.7
58	A	4.3	175	A	4.7	175	A	4.7	175	A	1.2	175	A	1.1	175	A	1.2	175	A	1.9	175	A	2.	175	A	1.9	175	A	1.5	175	A	10.5

## 2.112 4\_Trig\_functions\4.3aSecant\4.3.3.1(a+bsec)^m(dsec)^n(A+Bsec)

Table 114: Breakdown of results for each integral

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
1	A	0.6	99	A	0.7	99	A	0.6	99	A	0.5	99	A	0.5	99	A	0.5	99	A	0.7	99	A	0.8	99	A	0.7	99	A	0.7	99
2	A	0.4	86	A	0.4	86	A	0.4	86	A	0.2	86	A	0.2	86	A	0.2	86	A	0.3	86	A	0.3	86	A	0.3	86	A	0.3	78
3	A	0.1	91	A	0.1	91	A	0.1	91	A	0.2	91	A	0.2	91	A	0.2	91	C	25.8	5199	C	25.6	4409	C	26.	5199	C	22.4	4360
4	A	0.2	91	A	0.2	91	A	0.2	91	A	0.3	91	A	0.2	91	A	0.2	91	C	21.4	4628	C	21.6	4628	C	23.3	5445	C	21.	3413
5	A	0.2	119	A	0.2	119	A	0.2	119	A	0.2	119	A	0.2	119	A	0.2	119	A	0.4	103	A	0.4	103	A	0.4	103	A	0.3	103
6	A	0.2	119	A	0.2	119	A	0.2	119	A	0.3	119	A	0.2	119	A	0.3	119	A	0.3	103	A	0.3	103	A	0.2	103	A	0.2	103
7	A	0.1	107	A	0.1	107	A	0.1	107	A	0.2	107	A	0.1	107	A	0.1	107	A	0.2	101	A	0.2	101	A	0.2	101	A	0.2	101
8	A	0.2	135	A	0.3	135	A	0.2	135	A	0.4	135	A	0.3	135	A	0.4	135	A	0.7	119	A	0.7	119	A	0.6	119	A	0.4	119
9	A	0.5	87	A	0.5	87	A	0.5	87	A	0.8	87	A	0.7	87	A	0.8	87	A	3.3	253	A	3.4	253	A	3.3	253	A	3.3	253
10	A	0.2	75	A	0.2	75	A	0.2	75	A	0.3	75	A	0.2	75	A	0.3	75	A	0.3	84	A	0.4	84	A	0.3	84	A	0.3	84
11	A	1.1	101	A	1.3	101	A	1.2	101	A	1.4	280	A	1.3	280	A	2.2	280	A	4.9	280	A	5.1	280	A	3.1	280	A	1.9	280
12	A	0.4	102	A	0.4	102	A	0.4	102	A	0.3	86	A	0.3	86	A	0.4	86	A	0.5	86	A	0.6	86	A	0.5	86	A	0.3	86
13	A	0.3	108	A	0.3	108	A	0.3	108	A	0.5	108	A	0.4	108	A	0.5	108	A	0.7	108	A	0.7	108	A	0.7	108	A	0.6	108
14	A	4.1	232	A	4.5	232	A	4.6	217	A	1.7	306	A	1.6	306	A	2.5	306	A	4.7	306	A	5.3	306	A	4.4	306	A	2.4	306
15	B	7.5	373	B	8.2	373	B	8.2	373	B	5.1	373	B	4.8	373	B	5.1	373	B	6.4	1018	B	6.4	1018	B	6.4	1018	B	6.3	1018
16	A	1.1	111	A	1.3	111	A	1.2	111	B	6.3	489	B	5.8	489	B	6.3	635	B	6.4	635	B	6.4	635	B	6.4	635	B	6.4	635
17	A	0.5	47	A	0.5	47	A	0.5	47	B	1.4	224	B	1.2	224	B	1.3	224	B	1.9	224	B	2.	224	B	1.9	224	B	1.8	224
18	B	1.6	249	B	1.8	249	B	1.7	249	B	0.7	249	B	0.6	249	B	0.7	249	B	1.1	249	B	1.1	249	B	1.1	249	B	0.9	249
19	B	3.7	480	B	4.	480	A	1.2	143	B	4.1	480	B	3.9	480	B	4.3	480	B	6.5	642	B	6.5	642	B	6.4	642	B	6.4	642
20	A	1.	63	A	1.2	63	A	0.2	63	A	0.3	96	A	0.3	96	A	0.3	96	A	0.5	96	A	0.5	96	A	0.5	96	A	0.4	96
21	B	0.8	241	B	1.	241	B	1.	241	B	0.6	241	B	0.6	241	B	0.7	241	B	1.1	241	B	1.2	241	B	1.1	241	B	0.8	241
22	A	1.4	109	A	1.5	109	A	0.4	87	A	0.4	109	A	0.4	109	A	0.4	109	A	0.6	109	A	0.6	109	A	0.6	109	A	0.5	109
23	B	4.7	485	B	5.1	485	A	4.3	140	B	1.1	485	B	1.	485	B	1.3	485	B	2.	485	B	2.2	485	B	1.9	485	B	1.5	485
24	A	0.2	81	A	0.2	81	A	0.2	81	A	0.3	81	A	0.3	81	A	0.3	81	A	0.7	100	A	0.7	100	A	0.7	100	A	0.6	100
25	A	0.1	53	A	0.1	53	A	0.1	53	A	0.2	53	A	0.2	53	A	0.2	53	A	0.3	53	A	0.4	53	A	0.3	53	A	0.3	53
26	C	0.3	117	C	0.3	117	C	0.3	117	C	0.4	117	C	0.4	117	C	0.4	117	C	11.8	418	C	25.7	7753	C	25.5	7753	C	13.5	418
27	A	0.6	102	A	0.6	102	A	0.6	102	A	0.6	102	A	0.6	102	A	0.6	102	C	11.2	460	C	25.7	7781	C	25.5	7781	C	11.3	460
28	A	0.8	154	A	0.8	154	A	0.8	154	A	1.4	154	A	1.2	154	A	1.3	154	C	12.	471	C	25.8	7825	C	25.5	7825	C	12.6	471
29	C	1.1	137	C	1.3	137	C	0.9	366	C	1.3	366	C	1.3	366	C	1.4	366	C	11.8	479	C	25.8	7829	C	25.6	7829	C	12.5	479
30	A	0.4	92	A	0.5	92	A	0.4	92	A	0.3	92	A	0.3	92	A	0.3	92	A	2.4	135	C	28.3	21324	C	28.1	21324	A	0.3	92

Table 114 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	A	0.2	115	A	0.2	115	A	0.2	115	C	26.9	11162	C	26.4	10104	C	26.8	10104	A	3.	188	C	29.9	27027	C	29.1	27027	A	0.5	121
32	A	1.5	160	A	1.6	160	A	1.6	160	A	2.6	160	A	2.3	160	A	2.5	160	A	4.2	175	C	25.8	7881	C	25.5	7881	A	6.9	251
33	A	1.6	161	A	1.7	161	A	1.7	161	A	2.7	161	A	2.5	161	A	2.6	161	A	4.6	178	C	26.	7895	C	25.7	7895	A	6.9	264
34	C	1.	206	C	1.1	206	C	1.	206	C	1.7	206	C	1.5	206	C	1.6	206	B	7.	298	C	25.8	7911	C	24.8	7081	A	2.8	147
35	C	3.	193	C	3.2	193	C	3.1	193	C	2.6	193	C	2.4	193	C	3.1	193	C	5.4	207	C	5.2	207	C	4.5	207	C	3.8	207
36	C	2.7	202	C	2.8	202	C	2.8	202	C	2.1	202	C	1.9	202	C	2.1	202	C	3.5	226	C	3.4	226	C	3.1	226	C	3.3	226
37	C	2.3	207	C	2.5	207	C	2.5	207	C	1.9	207	C	1.7	207	C	2.	207	C	4.3	220	C	3.5	220	C	3.6	220	C	2.8	220
38	C	3.5	372	C	3.8	372	C	3.8	372	C	3.8	372	C	3.4	372	C	5.6	382	C	5.7	371	C	5.	371	C	4.6	371	C	7.7	741
39	C	4.	420	C	4.3	420	C	4.3	420	C	4.8	420	C	4.4	420	C	5.5	420	C	7.	705	C	7.1	705	C	2.2	250	C	6.7	413
40	C	3.9	540	C	4.2	540	C	4.2	540	C	4.1	540	C	3.8	540	C	4.1	540	C	6.	520	C	6.1	520	C	6.9	826	C	4.2	450
41	C	8.2	924	C	8.3	924	C	8.3	924	C	7.5	924	C	7.3	924	C	7.5	949	C	8.	904	C	8.2	904	C	7.9	904	C	8.	904
42	C	8.1	555	C	8.2	918	C	8.2	918	C	7.	918	C	6.9	918	C	7.2	943	C	7.3	898	C	7.4	898	C	7.3	898	C	7.2	898
43	C	6.	364	C	6.5	364	C	6.4	364	C	6.8	364	C	6.3	364	C	7.1	378	C	7.6	923	C	7.8	923	C	7.6	923	C	7.6	923
44	A	0.4	121	A	0.5	121	A	0.5	121	A	0.6	106	A	0.5	106	A	0.5	106	C	7.3	1002	C	7.4	1002	C	7.	666	C	6.3	666
45	A	0.2	93	A	0.2	93	A	0.2	93	A	0.3	89	A	0.3	89	A	0.3	89	C	2.3	522	C	2.4	522	C	2.2	522	C	2.1	522
46	A	0.2	83	A	0.2	83	A	0.2	83	A	0.4	83	A	0.4	83	A	0.4	83	C	1.	321	C	1.	321	C	0.9	321	C	0.9	321
47	A	0.1	56	A	0.2	56	A	0.2	56	A	0.2	56	A	0.2	56	A	0.2	56	A	0.3	56	A	0.3	56	A	0.2	56	A	0.2	56
48	A	0.6	204	A	0.6	204	A	0.6	204	A	1.4	133	A	1.3	133	A	1.4	133	C	7.3	1208	C	7.4	1208	C	7.3	1208	C	7.2	1208
49	A	0.6	91	A	0.6	91	A	0.4	91	A	0.6	91	A	0.5	91	A	0.7	91	A	0.9	93	A	1.	93	A	0.9	93	A	0.7	93
50	A	0.7	133	A	0.8	133	A	0.8	133	A	1.2	133	A	1.1	133	A	1.2	133	A	0.7	195	A	0.8	195	A	0.7	195	A	0.7	159
51	B	20.9	2709	B	16.2	2709	B	16.1	2709	B	19.3	2709	B	19.1	2709	B	21.4	7136	B	21.2	7136	A	12.8	610	A	13.3	471	A	14.1	465
52	B	19.1	2901	B	16.2	2901	B	16.2	2901	B	19.2	2901	B	19.	2901	B	21.5	7385	B	21.3	7385	A	12.	495	A	10.5	498	A	14.9	672
53	A	0.4	85	A	0.4	85	A	0.5	85	A	0.7	85	A	0.6	85	A	0.7	85	B	6.1	403	B	6.1	403	B	6.1	403	B	6.1	403
54	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	B	0.	104	B	0.1	104	B	0.	104	B	0.	104
55	A	0.2	75	A	0.1	75	A	0.1	75	A	0.2	75	A	0.2	75	A	0.2	75	A	0.2	75	A	0.3	75	A	0.2	75	A	0.2	75
56	A	0.9	150	A	0.9	150	A	1.	150	A	1.6	150	A	1.5	150	A	1.6	150	A	1.5	238	A	1.6	238	A	1.5	238	A	1.3	238
57	A	0.4	90	A	0.7	90	A	0.6	90	A	0.2	90	A	0.2	90	A	0.2	90	A	0.2	90	A	0.2	90	A	0.2	90	A	0.2	90
58	A	4.1	203	A	4.4	203	A	3.4	198	A	4.5	198	A	4.3	198	B	6.2	654	A	3.4	365	A	3.8	365	A	3.	373	A	2.4	373
59	A	3.	310	A	3.3	310	A	3.3	310	A	1.9	310	A	1.8	310	A	3.4	310	A	5.	310	A	5.4	310	A	4.9	310	A	3.1	310
60	A	1.5	263	A	1.6	263	A	1.6	263	A	0.7	263	A	0.6	263	A	0.7	263	A	0.8	263	A	0.9	263	A	0.8	263	A	0.6	263
61	A	0.2	68	A	0.2	68	A	0.2	68	A	0.2	68	A	0.1	68	A	0.2	68	A	0.2	68	A	0.2	68	A	0.1	68	A	0.1	68
62	A	1.8	240	A	1.9	240	A	1.9	240	A	2.3	240	A	2.	240	A	2.2	240	A	3.2	240	A	3.4	240	A	3.2	240	A	5.	240
63	A	1.8	224	A	2.	224	A	2.	224	A	1.4	224	A	1.3	224	A	1.4	224	A	1.7	224	A	1.9	224	A	1.7	224	A	1.7	224
64	A	1.	172	A	1.1	172	A	1.1	172	A	1.	172	A	0.9	172	A	1.	172	A	1.2	172	A	1.3	172	A	1.2	172	A	1.9	172

Table 114 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
65	A	2.5	306	A	2.7	306	A	2.5	306	A	2.1	306	A	2.	306	A	2.2	306	A	2.8	306	A	3.1	306	A	2.8	306	A	2.9	306
66	A	3.3	734	A	3.5	734	A	3.5	734	A	4.8	734	A	3.9	734	B	6.8	901	B	6.4	901	B	6.4	901	B	6.4	901	A	4.9	734
67	A	3.	548	A	3.	548	A	3.	548	A	3.3	548	A	3.	548	A	4.5	548	A	6.4	735	A	6.5	735	A	6.4	735	A	5.6	548
68	A	1.8	369	A	1.8	369	A	1.8	369	A	1.9	369	A	1.8	369	A	2.1	369	A	3.3	369	A	3.6	369	A	3.3	369	A	3.	369
69	A	1.3	252	A	1.4	252	A	1.3	252	A	1.3	252	A	1.2	252	A	1.3	252	A	1.8	252	A	2.	252	A	1.8	252	A	1.4	252
70	B	5.8	1205	B	6.2	1205	B	6.	1205	B	6.3	1205	B	5.8	1205	B	6.7	1372	B	6.4	1372	B	6.4	1372	B	6.4	1372	B	6.4	1372
71	B	5.6	1452	B	6.8	1452	B	6.3	1452	B	6.2	1452	B	5.8	1452	B	6.8	1578	B	6.4	1578	B	6.5	1578	B	6.4	1578	B	6.4	1578
72	A	0.1	61	A	0.2	61	A	0.2	61	A	0.2	61	A	0.2	61	A	0.1	61	A	0.2	61	A	0.2	61	A	0.2	61	A	0.1	61
73	A	17.9	635	A	18.7	635	A	18.9	635	B	26.4	3734	B	25.7	3734	B	26.4	3734	A	21.3	746	A	21.7	746	A	21.2	746	C	6.6	1512
74	A	8.5	379	A	9.	379	A	9.3	379	C	18.1	913	C	17.8	913	C	17.9	913	C	19.2	913	C	32.2	31921	C	32.1	31921	C	21.6	1343
75	B	16.4	1149	B	16.8	1149	B	17.1	1149	B	18.9	1149	B	18.7	1161	B	19.1	1161	B	19.3	1161	C	32.5	60241	C	32.4	60241	C	9.	1205
76	B	24.2	4227	B	24.8	4227	B	25.1	4227	B	27.2	4227	B	26.6	4227	B	27.4	4227	A	22.5	895	A	22.9	895	A	22.6	895	C	7.	1650
77	B	16.7	1551	B	17.2	1551	B	17.3	1551	B	19.7	1551	B	19.6	1567	B	19.8	1567	B	21.5	1567	C	33.2	82441	C	33.1	82441	C	6.4	1315
78	A	3.1	145	A	3.3	145	A	3.3	145	A	2.4	145	A	2.2	147	A	2.3	147	A	2.9	147	C	30.6	9124	C	29.4	9991	A	2.	147
79	A	12.3	418	A	12.7	418	A	12.7	418	C	17.2	1027	C	16.8	1027	C	17.5	1027	C	19.6	1027	C	32.2	58816	C	32.1	58816	C	20.6	1151
80	A	14.2	603	A	14.8	603	A	14.9	603	B	22.2	3225	A	19.1	603	B	22.8	3225	B	26.6	3225	B	26.8	3225	B	26.7	3225	C	6.6	1486
81	B	19.8	2366	B	20.1	2366	B	20.2	2366	B	22.1	2366	B	22.1	2390	B	23.2	2390	B	23.7	2390	C	34.3	155542	C	34.3	155542	C	6.8	1498
82	B	8.4	248	B	9.2	248	B	9.2	248	B	10.9	248	B	10.5	248	B	11.9	248	B	15.2	283	B	15.	283	B	14.7	283	C	19.1	1239
83	A	2.4	171	A	2.9	171	A	3.	171	A	2.8	171	A	2.6	171	A	4.2	171	A	6.1	171	A	6.2	171	A	4.5	175	A	1.5	135
84	A	4.2	128	A	4.7	128	A	4.8	128	A	1.	128	A	0.9	128	A	1.1	128	A	1.7	128	A	1.7	128	A	1.3	128	A	0.8	109
85	A	6.5	172	A	6.9	172	A	6.9	172	A	1.7	172	A	1.5	172	A	2.1	172	A	3.2	172	A	2.8	172	A	2.	172	A	1.5	152
86	B	7.9	664	B	8.2	664	B	8.1	664	B	7.	664	B	6.9	669	B	7.	669	B	6.9	669	C	28.3	2182	C	29.8	2134	A	4.3	307
87	A	8.	220	A	20.1	220	A	20.1	220	A	7.2	220	A	6.7	224	A	7.6	224	A	10.2	224	C	22.6	2013	C	20.2	1965	A	1.1	131
88	B	7.2	882	B	7.3	882	B	7.2	882	B	7.1	882	B	7.	887	B	7.1	887	B	7.	887	C	10.4	2400	C	8.	2352	A	6.6	589
89	A	7.	818	A	7.2	818	A	7.1	818	A	7.1	818	A	7.	823	A	7.3	823	A	7.2	823	C	10.4	2336	C	8.1	2288	A	6.6	394
90	C	13.9	377	C	14.2	377	C	14.1	377	C	6.3	377	C	6.	377	C	6.9	377	C	6.2	377	C	15.2	2187	C	15.1	2187	C	9.2	511
91	A	27.4	122	A	27.7	122	A	27.9	122	A	2.6	122	A	2.6	122	A	2.6	122	A	2.7	122	A	2.7	122	A	2.7	122	A	2.7	122
92	A	2.4	200	A	2.8	200	A	2.8	200	A	1.3	200	A	1.2	200	A	1.3	200	A	1.9	200	A	1.9	200	A	1.9	200	A	1.8	200
93	C	6.8	678	C	7.1	678	C	7.	678	C	6.9	678	C	6.8	678	C	6.9	678	C	6.9	678	C	16.4	2354	C	16.2	2354	C	6.8	678
94	A	4.5	380	A	4.6	380	A	4.6	380	A	3.8	380	A	3.6	380	A	3.9	380	A	5.8	380	A	6.2	380	A	5.8	382	A	6.6	505
95	A	0.9	161	A	1.	161	A	1.	161	A	0.8	161	A	0.7	161	A	0.7	161	A	1.1	161	A	1.1	161	A	1.1	161	A	1.5	161
96	A	1.9	252	A	2.	252	A	2.1	252	A	1.7	252	A	1.6	252	A	1.8	252	A	2.5	252	A	2.7	252	A	2.3	225	A	2.2	227
97	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
98	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0

Table 114 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
99	A	0.3	168	A	0.3	168	A	0.3	168	A	0.5	168	A	0.4	168	A	0.4	168	A	0.6	145	A	0.6	145	A	0.6	145	A	0.6	145
100	C	6.9	1040	C	7.	1040	C	7.	1040	C	6.3	1040	C	6.3	1040	C	6.3	1040	C	6.4	1040	C	6.4	1040	C	6.4	1040	C	6.3	1040
101	C	7.8	1025	C	7.9	1025	C	7.9	1025	C	6.6	1025	C	6.5	1025	C	6.6	1025	C	6.7	1025	C	6.8	1025	C	6.7	1025	C	6.7	1025
102	C	7.2	1004	C	7.3	1004	C	7.3	1004	C	6.7	1240	C	6.6	1240	C	6.8	1240	C	9.	1240	C	8.7	1240	C	8.3	1142	C	8.1	1142
103	C	7.8	1211	C	7.9	1211	C	7.9	1211	C	7.2	1447	C	6.9	1447	C	7.1	1447	C	7.4	1447	C	7.5	1447	C	7.4	1349	C	7.4	1349
104	A	0.1	56	A	0.1	56	A	0.1	56	A	0.2	56	A	0.2	56	A	0.2	56	A	0.2	56	A	0.2	56	A	0.2	56	A	0.2	56
105	A	0.3	119	A	0.3	119	A	0.3	119	A	0.4	89	A	0.4	89	A	0.4	89	C	1.	157	C	0.8	157	C	0.7	157	C	0.6	157
106	A	1.	75	A	6.3	75	A	0.2	80	A	0.3	80	A	0.3	80	A	0.3	80	A	0.5	75	A	0.5	75	A	0.5	75	A	0.4	75
107	A	0.5	170	A	0.5	170	A	0.5	170	A	0.9	107	A	0.8	107	A	0.8	107	C	1.1	189	C	0.9	189	C	0.8	189	C	1.	168
108	A	0.6	177	A	0.6	177	A	0.6	177	A	1.3	134	A	1.2	134	A	1.3	134	C	1.3	205	C	1.	205	C	1.	205	C	1.4	184
109	A	0.1	115	A	0.2	115	A	0.2	115	A	0.3	115	A	0.2	115	A	0.2	115	A	1.7	256	A	1.7	256	A	1.7	256	A	0.8	171
110	A	0.2	193	A	0.3	193	A	0.3	193	A	0.5	114	A	0.5	114	A	0.5	114	B	3.4	402	B	3.3	402	B	3.3	402	A	1.	183
111	A	0.8	178	A	0.8	178	A	0.9	178	A	1.3	178	A	1.2	178	A	1.3	178	A	1.7	194	A	1.8	194	A	1.7	194	A	0.9	164
112	A	0.7	64	A	0.8	64	A	0.8	64	A	0.4	64	A	0.4	64	A	0.4	64	A	0.5	64	A	0.5	64	A	0.4	84	A	0.4	84
113	A	0.8	134	A	0.8	134	A	0.8	134	A	0.9	134	A	0.8	134	A	0.9	134	A	1.2	134	A	1.3	134	A	1.3	134	A	1.2	134
114	A	1.3	106	A	1.6	106	A	1.7	106	A	0.7	106	A	0.6	106	A	0.7	106	A	0.9	106	A	1.	106	A	0.9	106	A	0.8	106
115	A	2.7	326	A	3.	326	A	3.	326	A	4.8	326	A	4.5	328	A	4.7	328	A	6.7	393	C	9.7	1453	C	10.3	1454	A	5.1	313
116	A	1.9	281	A	2.	281	A	2.1	281	A	2.9	281	A	2.7	283	A	2.8	283	A	4.	283	C	6.6	1386	C	6.6	1387	A	3.7	283
117	A	1.6	260	A	1.7	260	A	1.8	260	A	2.4	260	A	2.4	263	A	2.5	263	A	3.5	263	C	24.6	1354	C	26.5	1355	A	3.2	263
118	A	3.2	390	A	3.5	390	A	3.6	390	A	5.	390	A	4.5	394	A	4.8	394	A	7.	394	C	10.1	1531	C	10.6	1532	A	6.7	394
119	C	36.7	46738	C	76.9	87887	C	76.7	87887	C	34.4	45958	C	33.9	45958	C	34.1	45958	F	0	0	C	35.	45958	C	34.9	45958	C	6.8	563
120	C	16.5	542	C	17.3	542	C	17.6	542	C	19.1	542	C	18.5	542	C	18.7	542	C	25.5	3275	C	26.2	3275	C	25.6	3275	A	4.9	307
121	C	75.	87214	C	29.8	124155	C	29.8	124155	C	33.7	73332	C	33.5	73332	C	33.6	73332	F	0	0	C	34.1	73332	C	34.	73332	C	6.8	599
122	C	38.3	133300	C	38.8	133300	C	38.8	133300	C	34.7	131553	C	34.3	131553	C	34.3	131553	F	0	0	C	33.2	131553	C	33.2	131553	C	7.	768
123	C	6.9	311	C	7.3	311	C	7.5	311	C	8.8	311	C	9.1	311	C	9.4	311	C	13.	311	C	13.4	311	C	13.2	311	A	1.1	161
124	C	33.9	78884	C	34.	78884	C	34.1	78884	C	32.9	77909	C	32.6	77909	C	32.7	77909	F	0	0	C	31.9	77909	C	31.9	77909	C	6.5	593
125	C	19.2	626	C	19.7	626	C	20.	626	C	21.	626	C	20.	626	C	20.7	626	C	27.7	3758	C	28.2	3758	C	27.7	3758	A	5.4	346
126	C	34.9	98645	C	35.3	98645	C	35.4	98645	C	33.9	97528	C	33.6	97528	C	33.6	97528	F	0	0	C	33.	97528	C	32.8	97528	C	6.8	726
127	C	37.3	186369	C	37.6	186369	C	31.	197071	C	36.6	184379	C	36.	184379	C	36.3	184379	F	0	0	C	34.2	184379	C	34.1	184379	C	7.2	789

## 2.113 4\_Trig\_functions\4.3aSecant\4.3.4.1(a+bsec)^m(A+Bsec+Csec^2)

Table 115: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.2 81	A 0.2 81	A 0.2 81	A 0.3 81	A 0.3 81	A 0.3 81	A 0.1 139	A 0.1 139	A 0. 139	A 0. 139	A 0. 139	A 0. 139	A 0. 139
2	A 0. 93	A 0. 93	A 0. 93	A 0.1 54	A 0.1 54	A 0.1 54	A 3. 104	A 3.2 104	A 2.8 104	A 2.7 104	A 2.7 104	A 2.2 104	A 2.2 104
3	C 0.3 113	C 0.3 113	C 0.4 113	A 0.4 26	A 0.3 26	A 0.3 26	A 0.5 26	A 0.5 26	A 0.4 26	A 0.4 26	A 0.4 26	A 0.3 26	A 0.3 26
4	A 0.9 84	A 0.9 84	A 1. 84	A 1.1 84	A 1. 84	A 1.3 84	A 1.8 84	A 2. 84	A 1.7 84	A 1.8 84	A 1.5 91	A 1.5 106	A 1.5 106
5	C 1.2 143	C 1.2 143	C 1.2 143	C 1.5 143	C 1.4 143	C 1.5 143	C 3.2 145	C 3.1 145	C 2.7 145	C 2.4 145	C 2.6 166	C 1.8 111	C 1.8 111
6	C 0.3 107	C 0.3 107	C 0.3 107	A 0.3 21	A 0.3 21	A 0.3 21	A 0.4 21	A 0.4 21	A 0.3 21	A 0.3 21	A 0.3 21	A 0.2 21	A 0.2 21
7	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0.1 19	A 0.1 19	A 0.1 19	A 0.1 19	A 0.1 19	A 0.1 19	A 0.1 19
8	A 0.1 19	A 0.1 19	A 0.1 19	A 0.1 19	A 0.1 19	A 0.1 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
9	A 0.1 60	A 0.1 60	A 0.1 60	A 0.2 60	A 0.2 60	A 0.2 60	A 1.5 91	A 1.6 91	A 1.4 91	A 1.4 91	A 1.3 91	A 1. 91	A 1. 91
10	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92
11	A 0.2 71	A 0.2 71	A 0.2 71	A 0.3 71	A 0.3 71	A 0.3 71	B 6.1 353	B 6.1 353	B 6.1 353	B 6.1 353	B 6.1 353	B 6. 353	B 6. 353
12	A 0.1 51	A 0.1 51	A 0.1 51	A 0.2 51	A 0.2 51	A 0.2 51	A 1.8 94	A 1.9 94	A 1.7 94	A 1.5 94	A 1.3 94	A 1. 94	A 1. 94
13	A 0.1 55	A 0. 55	A 0. 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0. 55	A 0. 55
14	C 2.7 177	C 2.6 177	C 2.6 177	C 3.6 313	C 3.4 313	C 3.2 326	C 4.4 177	C 4.2 177	C 3.6 177	C 7.1 494	C 2.8 184	C 2.4 184	C 2.4 184

## 2.114 4\_Trig\_functions\4.3aSecant\4.3.4.2(a+bsec)^m(dsec)^n(A+Bsec+Csec^2)

Table 116: Breakdown of results for each integral

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
1	A	0.4	93	A	0.5	93	A	0.5	93	C	2.1	236	C	1.9	236	C	2.5	242	C	3.2	235	C	3.2	235	C	2.8	235	C	3.5	235
2	A	0.6	80	A	0.6	80	A	0.6	80	C	2.8	192	C	2.6	192	C	2.8	192	C	4.4	192	C	4.1	192	C	3.6	192	C	3.4	192
3	A	0.4	75	A	0.4	75	A	0.4	75	C	1.2	163	C	1.1	163	C	1.3	163	C	2.	163	C	1.8	163	C	1.5	163	C	1.2	163
4	A	0.3	76	A	0.3	76	A	0.4	76	C	1.	127	C	1.	127	C	1.	127	C	1.6	98	C	1.6	98	C	1.4	98	C	1.2	98
5	A	0.	79	A	0.	79	A	0.	79	C	0.2	130	C	0.2	130	C	0.2	130	C	0.3	101	C	0.3	101	C	0.2	101	C	0.2	101
6	A	0.2	92	A	0.2	92	A	0.2	92	C	0.6	124	C	0.5	124	C	0.6	124	C	1.	124	C	0.9	124	C	0.8	124	C	0.6	124
7	A	0.5	143	A	0.5	143	A	0.6	143	C	2.8	303	C	2.6	303	C	2.8	303	C	6.9	336	C	6.8	336	C	6.1	336	C	5.4	336
8	A	0.5	143	A	0.5	143	A	0.5	143	C	3.8	340	C	3.5	340	C	3.6	340	C	5.8	340	C	6.1	340	C	5.3	340	C	4.7	340
9	A	0.4	121	A	0.4	121	A	0.4	121	C	1.8	222	C	7.1	274	C	7.6	274	C	9.9	289	C	9.7	289	C	8.4	289	C	7.2	289
10	A	0.2	119	A	0.2	119	A	0.2	119	A	0.3	119	A	0.2	119	A	0.2	119	C	26.1	6049	C	6.2	791	C	5.5	791	C	5.1	791
11	A	0.1	107	A	0.1	107	A	0.1	107	A	0.2	107	A	0.2	107	A	0.2	107	C	25.9	8395	C	13.2	666	C	11.1	668	C	8.2	668
12	A	0.4	142	A	0.4	142	A	0.4	142	C	2.5	303	C	2.4	303	C	2.5	303	C	5.1	336	C	5.5	336	C	4.8	336	C	4.2	336
13	A	0.2	120	A	0.2	120	A	0.2	120	A	0.2	120	A	0.2	120	A	0.2	120	C	23.6	8105	C	23.9	8105	C	24.7	9796	C	21.4	4374
14	A	0.2	118	A	0.2	118	A	0.2	118	A	0.2	118	A	0.2	118	A	0.2	118	C	22.8	8211	C	23.	8211	C	24.8	9827	C	20.9	4406
15	A	0.9	113	A	0.8	113	A	0.9	113	C	7.1	465	C	7.	465	C	7.2	465	C	7.6	465	C	7.7	465	C	7.2	355	C	5.7	336
16	A	0.6	115	A	0.6	115	A	0.6	115	C	2.5	303	C	2.3	303	C	2.4	303	C	3.8	303	C	3.4	303	C	2.7	309	C	2.5	305
17	A	0.1	117	A	0.1	117	A	0.1	117	A	0.2	117	A	0.2	117	A	0.2	117	C	24.7	4890	C	25.5	4890	C	24.7	6216	C	23.7	5906
18	A	0.1	118	A	0.1	118	A	0.1	118	A	0.2	118	A	0.2	118	A	0.2	118	C	22.9	4865	C	23.	4865	C	26.	6142	C	22.3	5002
19	A	0.3	120	A	0.3	120	A	0.4	120	C	2.4	299	C	2.2	299	C	2.5	299	C	4.	299	C	3.6	299	C	3.2	299	C	2.8	299
20	A	1.3	205	A	1.3	205	A	1.3	205	C	7.6	494	C	7.3	494	C	7.4	494	C	10.9	494	C	11.4	494	C	10.2	494	C	9.4	494
21	A	1.1	205	A	1.1	205	A	1.1	205	C	12.6	548	C	12.1	548	C	12.2	548	C	16.2	548	C	15.7	548	C	14.5	548	C	13.3	548
22	A	1.	205	A	1.	205	A	1.1	205	F	0	0	F	0	0	C	9.9	492	C	16.3	492	C	17.2	492	C	15.7	492	C	10.8	492
23	A	0.9	161	A	1.	161	A	1.	161	C	3.4	292	C	6.7	436	C	7.6	436	C	13.	436	C	13.6	436	C	11.6	436	C	8.7	436
24	A	0.3	161	A	0.2	161	A	0.3	161	A	0.4	161	A	0.4	161	A	0.4	161	C	26.9	6083	C	9.4	974	C	8.6	974	C	7.9	974
25	A	0.3	168	A	0.3	168	A	0.3	168	A	0.5	168	A	0.5	168	A	0.5	168	C	28.4	18886	C	14.6	1815	C	14.3	1815	C	15.5	1815
26	A	1.4	204	A	1.4	204	A	1.4	204	C	8.9	493	C	8.4	493	C	9.6	493	C	14.7	493	C	16.1	493	C	14.7	493	C	11.6	493
27	A	0.9	201	A	0.9	201	A	0.9	201	C	9.5	502	C	8.9	502	C	11.2	502	C	17.3	502	C	17.8	502	C	16.1	502	C	12.	502
28	A	0.5	93	A	0.5	93	A	0.6	93	A	0.8	93	A	0.7	93	A	0.7	93	B	6.1	426	B	6.1	426	B	6.1	426	B	6.1	426
29	A	0.2	62	A	0.3	62	A	0.2	56	A	0.3	56	A	0.3	56	A	0.3	56	A	5.3	169	A	5.8	169	A	2.6	100	A	2.4	100
30	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	A	0.	67	B	1.7	218	B	1.9	218	B	1.6	218	B	1.1	218



Table 116 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	A	0.2	77	A	0.2	77	A	0.2	77	A	0.3	77	A	0.2	77	A	0.2	77	A	0.4	77	A	0.4	77	A	0.4	77	A	0.3	77
32	A	0.3	73	A	0.3	73	A	0.3	73	A	0.3	73	A	0.2	73	A	0.3	73	A	0.3	73	A	0.4	73	A	0.3	73	A	0.3	73
33	A	0.2	97	A	0.2	97	A	0.2	97	A	0.4	97	A	0.4	97	A	0.4	97	A	0.6	97	A	0.6	97	A	0.5	97	A	0.5	97
34	A	1.9	138	A	2.	138	A	1.9	92	B	2.1	363	B	2.	363	B	3.1	363	B	4.8	363	B	5.3	363	B	3.8	363	B	2.7	363
35	A	0.2	123	A	0.2	123	A	0.2	123	A	0.4	123	A	0.4	123	A	0.6	123	A	0.8	123	A	0.9	123	A	0.8	123	A	0.5	123
36	B	2.9	316	B	3.2	316	B	3.2	316	B	3.4	316	B	3.1	316	B	3.7	316	B	5.8	316	B	6.2	316	B	4.8	316	B	4.2	316
37	B	2.	227	B	2.2	227	B	2.2	227	B	2.1	227	B	1.8	227	B	2.	227	B	3.	227	B	3.2	227	B	2.9	227	B	2.4	227
38	B	1.3	377	B	1.4	377	B	1.4	377	B	0.9	377	B	0.8	377	B	0.9	377	B	1.3	377	B	1.5	377	B	1.3	377	B	1.1	377
39	B	0.9	141	B	0.9	141	B	0.9	141	B	0.5	141	B	0.5	141	B	0.6	141	B	0.8	141	B	0.9	141	B	0.8	141	B	0.7	141
40	B	1.9	349	B	2.1	349	B	2.1	349	B	1.	349	B	0.9	349	B	1.	349	B	1.5	349	B	1.6	349	B	1.5	349	B	1.2	349
41	B	5.	746	B	5.4	746	B	5.4	746	B	4.5	746	B	4.3	746	B	6.5	890	B	6.7	890	B	6.7	890	B	6.7	890	B	6.7	890
42	A	1.1	96	A	1.2	96	A	1.2	96	A	0.7	96	A	0.7	96	A	0.7	96	A	1.	96	A	1.1	96	A	1.	96	A	1.5	96
43	A	0.2	84	A	0.2	84	A	0.2	84	A	0.4	84	A	0.3	84	A	0.3	84	C	11.3	398	C	25.8	7701	C	25.4	7701	C	11.8	398
44	C	0.3	117	C	0.3	117	C	0.3	117	C	0.4	117	C	0.4	117	C	0.4	117	C	12.	439	C	25.6	7772	C	25.4	7772	C	12.3	439
45	C	0.1	70	C	0.1	70	C	0.1	70	C	0.2	70	C	0.2	70	C	0.2	70	C	11.3	460	C	25.7	7793	C	25.5	7793	C	11.9	460
46	A	1.1	142	A	1.1	142	A	1.2	142	A	1.5	144	A	1.4	144	A	1.6	144	A	2.3	144	A	2.4	144	A	2.2	144	A	2.	144
47	A	0.9	90	A	0.9	90	A	1.	90	A	1.4	121	A	1.3	121	A	1.3	121	A	1.9	121	A	1.9	121	A	1.8	121	A	1.6	121
48	A	0.7	73	A	0.8	73	A	0.7	73	A	1.3	100	A	1.2	100	A	1.3	100	A	1.7	100	A	1.7	100	A	1.6	100	A	1.5	100
49	A	1.4	122	A	1.5	122	A	1.6	122	A	1.3	122	A	1.2	122	A	1.3	122	A	1.9	122	A	1.9	122	A	1.8	122	A	1.7	122
50	C	1.7	151	C	1.8	151	A	1.4	146	A	1.5	140	A	1.4	140	A	1.5	140	C	11.6	534	C	25.8	7883	C	25.5	7883	A	2.2	128
51	C	1.7	162	C	1.8	162	A	1.6	159	A	2.3	159	A	2.1	159	A	2.4	159	C	11.7	556	C	25.8	7904	C	25.6	7904	A	3.2	147
52	A	2.8	151	A	2.8	151	A	2.7	151	A	1.9	151	A	1.9	151	A	2.	151	A	3.1	151	A	3.2	151	A	2.8	151	A	2.8	151
53	A	0.8	123	A	0.8	123	A	0.8	123	A	1.9	145	A	1.8	145	A	1.9	145	A	3.	145	A	3.1	145	A	2.8	145	A	2.8	145
54	A	1.6	137	A	1.7	137	A	1.7	137	A	4.1	162	A	3.7	162	A	4.2	162	A	6.4	161	A	6.7	161	A	6.	161	A	5.6	161
55	A	1.	153	A	1.1	153	A	1.1	153	A	1.9	167	A	1.8	167	A	1.9	167	A	3.2	241	A	3.3	241	A	3.	241	A	2.8	241
56	C	2.1	427	C	2.2	427	C	2.3	427	A	3.1	204	A	2.9	204	A	3.4	204	A	5.3	341	A	5.4	341	A	4.8	341	A	4.3	341
57	A	4.7	196	A	4.9	196	A	2.7	156	A	2.7	196	A	2.5	196	A	2.6	196	A	4.	196	A	4.1	196	A	3.7	196	A	3.5	196
58	A	3.4	153	A	3.6	153	A	3.5	153	A	3.9	153	A	3.6	153	A	4.5	153	B	7.3	725	B	7.4	725	A	6.7	269	A	5.8	269
59	C	3.3	409	C	3.4	409	C	3.5	409	C	5.	409	C	4.7	409	C	5.1	409	C	6.6	402	C	5.7	402	C	5.1	402	C	7.4	624
60	C	4.7	330	C	4.8	330	C	4.9	330	C	6.5	312	C	6.	312	C	5.6	328	C	7.7	436	C	7.7	436	C	7.2	336	C	6.4	338
61	C	3.1	221	C	3.2	221	C	3.3	221	C	2.5	221	C	2.4	221	C	2.7	221	C	6.2	245	C	5.8	245	C	4.9	245	C	6.7	245
62	C	5.4	342	C	5.8	342	C	5.9	342	C	6.8	342	C	6.4	342	C	7.	342	C	8.	828	C	8.1	828	C	8.	828	C	7.9	828
63	C	6.9	795	C	7.1	795	C	7.1	795	C	6.5	795	C	6.5	795	C	6.6	795	C	6.6	772	C	6.6	772	C	6.6	772	C	6.3	430
64	C	6.8	473	C	7.2	473	C	7.4	473	C	7.7	884	C	7.5	884	C	7.5	874	C	8.3	860	C	8.4	860	C	8.2	860	C	8.2	860

Table 116 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
65	C	7.4	538	C	8.	538	C	8.1	912	C	6.9	912	C	6.8	912	C	6.9	926	C	7.2	888	C	7.3	888	C	7.2	888	C	7.1	888
66	C	6.6	479	C	6.9	479	C	6.9	479	C	7.2	953	C	7.1	953	C	7.3	978	C	7.6	933	C	7.7	933	C	7.5	933	C	7.5	933
67	C	9.	975	C	9.2	975	C	9.2	975	C	7.1	975	C	7.	975	C	7.4	1001	C	7.5	955	C	7.6	955	C	7.4	955	C	7.4	955
68	A	1.2	183	A	1.3	183	A	1.3	183	A	2.4	238	A	2.2	238	A	2.4	238	A	3.7	238	A	3.7	238	A	3.5	238	A	3.2	238
69	A	0.8	90	A	0.8	90	A	0.8	90	A	2.7	177	A	2.6	177	A	2.8	177	A	4.4	177	A	4.5	177	A	4.2	177	A	2.2	197
70	A	6.6	435	A	6.7	435	A	6.7	435	A	3.4	273	A	3.2	273	A	3.6	273	A	5.4	273	A	5.7	273	A	5.2	273	A	4.6	273
71	A	1.2	117	A	1.3	117	A	1.3	117	A	4.8	209	A	4.6	209	A	4.9	209	B	6.7	378	B	6.8	378	A	6.5	209	B	6.6	378
72	A	1.8	134	A	1.9	134	A	1.8	134	A	6.7	411	A	6.7	411	A	6.7	411	A	6.9	411	A	7.	411	A	6.9	411	A	6.8	411
73	A	1.2	165	A	1.3	165	A	1.2	165	A	6.7	416	A	6.6	416	A	6.7	416	A	6.8	416	A	6.9	416	A	6.9	416	A	6.7	416
74	A	5.2	133	A	5.7	133	A	5.6	133	B	6.4	474	B	6.4	474	B	6.5	474	B	6.6	474	B	6.6	474	B	6.6	474	B	6.4	474
75	A	3.8	148	A	4.1	148	A	2.3	138	A	2.2	148	A	2.1	148	A	2.3	148	A	3.4	148	A	3.6	148	A	3.3	148	A	2.9	148
76	A	1.3	260	A	1.3	260	A	1.3	260	A	5.4	368	A	5.1	368	A	5.4	368	B	6.9	793	B	6.9	793	B	6.8	793	B	6.7	614
77	A	0.7	170	A	0.8	170	A	0.8	170	B	6.7	717	B	6.6	717	B	6.7	717	B	6.9	717	B	7.	717	B	7.	717	B	2.9	342
78	A	0.8	141	A	0.8	141	A	0.9	141	B	6.4	528	B	6.4	528	B	6.5	528	B	6.5	528	B	6.6	528	B	6.5	528	A	1.2	132
79	A	1.5	188	A	1.6	188	A	1.7	188	A	3.5	331	A	3.3	331	A	3.5	331	A	5.8	331	A	5.9	331	A	4.9	331	A	4.1	191
80	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
81	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
82	B	1.	337	B	1.	337	B	1.1	337	B	0.7	337	B	0.6	337	B	0.7	337	B	1.	337	B	1.1	337	B	0.9	337	B	0.8	337
83	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	A	0.	46	B	0.	104	B	0.	104	B	0.	104	B	0.	104
84	A	0.2	75	A	0.1	75	A	0.2	75	A	0.2	75	A	0.2	75	A	0.3	75	A	0.4	84	A	0.4	84	A	0.4	84	A	0.3	84
85	B	1.2	391	B	1.3	391	B	1.3	391	B	0.8	391	B	0.8	391	B	0.8	391	B	1.2	391	B	1.3	391	B	1.2	391	B	1.1	391
86	B	1.6	391	B	1.7	391	B	1.7	391	B	0.9	391	B	0.8	391	B	0.9	391	B	1.5	391	B	1.8	391	B	1.5	391	B	1.1	391
87	A	0.6	113	A	0.6	113	A	0.6	113	A	0.3	113	A	0.2	113	A	0.3	113	A	0.3	113	A	0.4	113	A	0.3	113	A	0.3	113
88	B	0.6	106	B	0.6	106	B	0.7	106	B	0.2	106	B	0.2	106	B	0.2	106	B	0.2	106	B	0.2	106	B	0.2	106	B	0.2	106
89	B	0.9	249	B	1.	249	B	1.	249	B	0.7	249	B	0.6	249	B	0.7	249	B	1.1	249	B	1.1	249	B	1.	249	B	0.8	249
90	A	1.5	130	A	1.6	130	A	1.6	130	B	1.6	379	B	1.5	379	B	2.8	379	B	4.1	379	B	4.3	379	B	3.9	379	B	1.8	379
91	A	0.9	119	A	0.9	119	A	1.	119	B	1.1	245	B	1.	245	B	1.2	245	B	1.4	245	B	1.5	245	B	1.3	245	B	1.3	245
92	A	1.8	136	A	1.9	136	A	0.7	107	A	0.7	136	A	0.7	136	A	0.7	136	A	0.7	136	A	0.8	136	A	0.7	136	A	0.6	136
93	B	1.5	435	B	1.6	435	B	1.6	435	B	0.8	435	B	0.8	435	B	0.9	435	B	1.3	435	B	1.5	435	B	1.3	435	B	1.	435
94	A	0.5	102	A	0.6	102	A	0.6	102	A	0.5	102	A	0.5	102	A	0.5	102	C	11.4	408	C	25.7	7733	C	25.5	7733	C	11.7	408
95	A	0.1	88	A	0.1	88	A	0.1	88	A	0.2	88	A	0.2	88	A	0.2	88	A	1.5	117	C	25.6	7739	C	25.4	7739	A	1.4	95
96	A	0.9	204	A	0.8	204	A	0.9	204	A	1.3	204	A	1.2	204	A	1.5	204	A	7.	307	C	25.7	7924	C	25.7	7924	A	5.3	222
97	A	1.5	160	A	1.5	160	A	1.6	160	A	2.4	160	A	2.3	160	A	2.6	160	A	5.2	175	C	25.6	7881	C	25.5	7881	A	6.7	251
98	A	0.5	127	A	0.5	127	A	0.6	127	A	0.8	127	A	0.8	127	A	0.9	127	A	2.3	149	C	25.6	7849	C	25.4	7849	A	2.2	112

Table 116 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
99	A	2.2	147	A	2.2	147	A	2.2	147	A	1.7	147	A	1.6	147	A	1.7	147	A	3.	218	A	3.	218	A	2.7	218	A	2.6	218
100	A	6.6	168	C	10.	628	A	1.1	144	A	1.6	144	A	1.5	144	A	1.6	144	A	7.	256	C	25.8	7874	C	25.6	7874	A	2.9	153
101	A	0.4	84	A	0.4	84	A	0.4	84	A	0.7	84	A	0.6	84	A	0.7	84	B	6.1	545	B	6.2	545	B	6.1	545	B	6.1	545
102	A	0.4	64	A	0.4	64	A	0.4	64	A	0.3	64	A	0.2	64	A	0.3	64	A	0.4	64	A	0.4	64	A	0.4	64	A	0.2	64
103	A	0.3	94	A	0.3	94	A	0.3	94	A	0.5	94	A	0.4	94	A	0.5	94	A	0.6	133	A	0.6	133	A	0.6	133	A	0.5	133
104	A	5.9	130	A	5.9	130	A	5.9	130	A	3.5	359	A	3.2	359	A	3.7	359	A	5.9	359	A	6.2	359	A	5.6	359	A	4.4	359
105	A	0.9	121	A	0.9	121	A	0.9	121	A	0.3	121	A	0.3	121	A	0.3	121	A	0.4	121	A	0.4	121	A	0.4	121	A	0.3	121
106	A	5.9	150	A	5.9	150	A	5.9	150	B	6.4	1087	B	6.4	1087	B	6.4	1087	B	6.5	1087	B	6.6	1087	B	6.5	1087	B	6.5	1087
107	B	4.9	379	B	5.	379	B	5.	379	B	2.5	379	B	2.3	379	B	3.3	379	B	4.2	379	B	4.8	379	B	4.4	379	B	3.	379
108	A	0.7	134	A	0.6	134	A	0.7	134	A	0.5	130	A	0.5	130	A	0.5	130	A	0.7	130	A	0.7	130	A	0.7	130	A	0.5	130
109	A	1.3	237	A	1.3	237	A	1.3	237	A	2.3	237	A	2.2	237	A	2.4	237	A	3.6	237	A	4.1	237	A	3.5	237	A	2.5	233
110	A	0.8	213	A	0.8	213	A	0.8	213	A	0.6	213	A	0.6	213	A	0.6	213	A	0.9	213	A	1.	213	A	0.9	213	A	0.6	213
111	B	1.9	307	B	2.	307	B	2.	307	B	1.1	307	B	1.1	307	B	1.5	307	B	2.3	307	B	2.4	307	B	2.2	307	B	1.4	307
112	B	2.9	473	B	2.9	473	B	3.	473	B	2.	473	B	1.9	473	B	2.7	473	B	5.1	473	B	5.2	473	B	5.	473	B	2.4	473
113	B	7.	644	B	7.2	644	B	7.3	644	B	6.5	839	B	6.4	839	B	6.4	839	B	6.5	839	B	6.6	839	B	6.5	839	B	6.5	839
114	B	4.	655	B	4.1	655	B	4.2	655	B	3.	655	B	2.8	655	B	6.3	752	B	6.4	752	B	6.4	752	B	6.3	752	B	3.8	655
115	B	8.6	1322	B	8.7	1322	B	8.8	1322	B	6.5	1322	B	6.5	1322	B	6.5	1322	B	6.7	1322	B	6.7	1322	B	6.6	1322	B	6.6	1322
116	C	0.3	152	C	0.4	152	C	0.4	152	C	0.5	152	C	0.5	152	C	0.5	152	C	12.5	452	C	25.7	7799	C	25.5	7799	C	13.4	452
117	A	4.6	117	A	5.2	117	A	5.3	117	A	0.8	117	A	0.8	117	A	0.8	117	C	12.6	436	C	26.	7803	C	25.7	7803	C	12.7	436
118	A	2.9	209	A	3.	209	A	3.1	209	A	1.9	209	A	1.8	209	A	2.	209	A	2.8	209	A	3.1	209	A	2.8	209	A	2.7	209
119	A	6.7	152	A	6.7	152	A	6.8	152	A	1.3	152	A	1.2	152	A	1.3	152	C	12.8	467	C	26.	7832	C	25.8	7832	C	13.1	467
120	C	2.4	224	C	2.7	224	C	2.7	634	A	3.7	217	A	3.5	217	A	3.9	217	C	12.7	635	C	26.	7997	C	25.8	7997	A	5.3	205
121	A	1.8	127	A	1.9	127	A	1.9	127	C	8.7	1666	C	8.7	1666	C	30.4	7082	A	3.6	164	C	25.7	7910	C	25.6	7910	A	5.4	252
122	A	5.3	243	A	5.5	243	A	5.7	243	C	28.1	16084	C	28.	16094	C	28.2	16094	A	5.2	243	C	30.	28717	C	29.5	28717	A	3.6	246
123	C	4.2	265	C	4.3	265	C	4.4	265	C	3.6	265	C	3.4	265	C	3.7	265	C	7.3	278	C	6.7	278	C	6.	278	C	6.2	278
124	C	3.	187	C	3.1	187	C	3.1	187	C	2.2	187	C	2.	187	C	2.3	187	C	3.3	187	C	3.3	187	C	2.8	187	C	4.	221
125	C	10.8	1324	C	11.2	1324	C	11.3	1324	C	7.5	1324	C	7.3	1324	C	8.	1324	C	8.	1292	C	8.1	1292	C	7.9	1292	C	8.	1292
126	C	3.8	275	C	4.1	275	C	4.1	275	C	3.1	275	C	2.9	275	C	3.2	275	C	7.6	1203	C	7.7	1203	C	7.5	1203	C	7.4	1203
127	C	3.6	214	C	4.	214	C	3.9	214	C	3.2	214	C	2.9	214	C	3.3	214	C	4.5	214	C	4.3	214	C	3.9	214	C	5.5	248
128	C	10.6	1449	C	11.	1449	C	11.	1449	C	7.5	1449	C	7.4	1449	C	8.1	1487	C	8.1	1419	C	8.2	1419	C	8.	1419	C	8.	1419
129	C	11.7	1497	C	12.2	1497	C	12.2	1497	C	7.7	1497	C	7.6	1497	C	8.	1535	C	8.3	1467	C	8.5	1467	C	8.2	1467	C	8.3	1467
130	A	5.2	157	A	5.9	157	A	6.	157	A	1.2	122	A	1.1	122	A	1.2	122	C	6.9	681	C	7.	681	C	6.4	681	B	6.6	447
131	A	6.2	126	A	6.2	126	A	6.3	126	A	1.8	162	A	1.8	162	A	2.	162	C	2.9	387	C	3.	387	C	2.6	387	A	5.3	262
132	A	7.3	158	A	7.4	158	A	7.4	139	A	2.4	158	A	2.3	158	A	2.7	158	A	4.	158	A	4.1	158	A	3.8	158	A	6.6	466

Table 116 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
133	B	7.3	658	B	7.7	658	B	7.	658	A	3.4	213	A	3.2	213	A	3.5	213	C	8.3	2352	C	8.3	2352	C	8.1	2352	A	6.5	340
134	A	1.7	274	A	1.9	274	A	1.9	274	A	1.	174	A	0.9	174	A	1.	174	C	7.6	747	C	7.4	747	C	6.7	747	A	5.8	348
135	A	1.4	139	A	1.5	139	A	1.5	139	A	0.5	96	A	0.5	96	C	5.2	477	C	1.7	477	C	1.7	477	C	1.6	477	B	2.2	339
136	A	1.6	137	A	1.8	137	A	1.8	137	A	0.9	155	A	0.9	155	A	1.	155	A	4.	202	A	4.2	202	A	3.8	202	A	1.8	142
137	A	0.5	152	A	0.5	152	A	0.5	152	A	0.6	118	A	0.5	118	A	0.5	118	C	4.4	638	C	4.4	638	C	4.	638	C	3.9	638
138	A	1.9	180	A	2.1	180	A	2.2	180	A	1.7	126	A	1.5	126	A	1.7	126	A	1.4	256	A	1.5	256	A	1.4	256	A	3.7	174
139	A	2.1	202	A	2.4	202	A	2.4	202	A	2.2	146	A	2.1	146	A	2.2	146	B	6.3	943	B	6.3	943	B	6.3	943	A	3.9	198
140	B	20.5	5449	B	19.9	5449	B	20.1	5449	B	21.3	5449	B	21.2	5449	B	20.4	7349	B	21.3	7349	A	13.3	591	A	12.4	594	F	0	0
141	A	0.3	80	A	0.4	80	A	0.4	80	A	0.5	80	A	0.5	80	A	0.6	80	B	6.1	377	B	6.1	377	B	6.1	377	B	6.1	377
142	A	1.7	130	A	2.	130	A	2.1	130	A	0.8	130	A	0.7	130	A	0.8	130	A	1.1	130	A	1.1	130	A	1.	132	A	0.9	132
143	A	3.9	187	A	4.6	187	A	4.7	187	A	3.7	407	A	3.4	407	A	4.2	407	A	5.6	407	A	6.1	407	A	5.5	407	A	3.8	419
144	A	2.1	184	A	2.4	184	A	2.4	184	A	1.	184	A	0.9	184	A	1.	184	A	1.2	184	A	1.3	184	A	1.2	184	A	1.1	184
145	A	6.3	234	A	6.4	234	A	6.6	234	A	2.8	371	A	2.6	371	A	2.9	371	A	3.6	371	A	3.7	371	A	3.8	373	A	5.9	528
146	A	6.8	416	A	7.4	416	A	7.4	416	A	6.2	416	A	6.	416	B	6.3	864	B	6.2	864	B	6.2	864	B	6.2	864	B	6.1	864
147	A	4.	324	A	4.3	324	A	4.4	324	A	3.1	324	A	3.1	324	A	3.4	324	A	5.2	324	A	5.4	324	A	4.9	324	A	4.7	324
148	A	1.4	221	A	1.5	221	A	1.6	188	B	6.4	1299	B	6.4	1299	B	6.4	1299	B	6.1	1299	B	6.1	1299	B	6.1	1299	B	2.5	422
149	C	0.7	239	C	0.7	239	C	0.7	239	C	0.6	239	C	0.5	239	C	0.6	239	C	0.8	239	C	0.8	239	C	0.8	239	C	0.7	239
150	A	1.1	149	A	1.1	149	A	1.2	149	A	0.6	149	A	0.5	149	A	0.5	149	A	0.6	149	A	0.7	149	A	0.6	149	A	0.5	149
151	C	2.1	331	C	2.3	331	C	2.3	331	C	2.4	331	C	2.2	331	C	2.4	331	C	3.6	331	C	3.8	331	C	3.5	331	C	3.7	331
152	C	2.4	342	C	2.6	342	C	2.7	342	C	3.6	342	C	3.2	342	C	5.5	342	C	6.8	666	C	6.9	666	C	4.5	342	C	4.2	342
153	C	3.4	642	C	3.8	642	C	3.9	642	C	5.1	642	C	4.7	642	C	6.7	926	C	7.	926	C	7.	926	C	7.	926	C	6.5	642
154	A	4.3	564	A	4.6	564	A	4.7	564	A	4.7	564	A	4.4	564	B	6.4	874	B	6.4	874	B	6.4	874	B	6.4	874	C	8.3	1173
155	A	1.1	221	A	1.2	221	A	1.2	221	A	1.5	221	A	1.3	221	A	2.	221	A	3.	221	A	3.1	221	A	2.9	221	A	1.8	221
156	A	14.3	560	A	15.1	560	A	15.2	560	B	22.4	3169	A	19.6	560	A	20.3	560	B	27.1	3169	B	27.3	3169	B	26.7	3169	F	0	0
157	B	17.9	1084	B	18.6	1084	B	18.6	1084	C	19.6	1417	C	19.2	1417	C	19.9	1417	C	20.7	1417	C	32.6	72905	C	32.4	72905	C	9.	1199
158	B	22.7	4075	B	23.4	4075	B	23.5	4075	B	26.	4075	B	25.5	4087	B	25.8	4087	B	28.8	4087	C	33.3	35116	C	33.	35116	F	0	0
159	B	14.3	729	B	14.9	729	B	14.9	729	C	16.4	914	C	16.2	914	C	17.	914	C	19.	914	C	32.3	36936	C	32.	36945	F	0	0
160	A	13.4	384	A	14.1	384	A	14.3	384	A	15.4	384	A	15.7	386	A	16.7	386	B	23.	2910	C	31.9	24321	C	31.6	24321	F	0	0
161	B	14.4	1870	B	14.5	1870	B	14.7	1870	C	18.3	2500	C	17.4	2500	C	18.4	2500	C	22.3	2500	C	33.8	141088	C	33.4	141088	C	6.7	1366
162	A	15.1	633	A	15.9	633	A	16.3	633	B	23.	3369	B	23.3	3369	B	24.1	3370	B	27.4	3369	B	27.7	3369	B	26.9	3369	F	0	0
163	B	16.7	1715	B	17.	1715	B	17.2	1715	B	20.6	1715	B	20.4	1727	B	21.	1727	B	22.	1727	C	33.7	84664	C	33.3	84664	F	0	0
164	A	12.	799	A	12.5	799	A	12.5	799	A	15.4	799	A	14.3	801	A	14.9	801	A	19.	979	A	19.9	979	A	18.4	999	C	7.1	1539
165	B	23.8	13317	B	24.2	13317	B	24.5	13317	B	22.	2188	B	21.9	2204	B	22.6	2205	B	24.1	2204	C	34.7	123579	C	34.1	123579	F	0	0
166	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	A	0.	43	B	0.1	159	B	0.1	159	B	0.	159	B	0.	159

Table 116 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
167	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51
168	A	0.2	91	A	0.1	91	A	0.1	91	A	0.2	91	A	0.2	91	A	0.2	91	A	0.3	98	A	0.3	98	A	0.3	98	A	0.3	98
169	A	0.5	120	A	0.5	120	A	0.5	120	A	0.8	120	A	0.8	120	A	1.	120	B	5.7	457	B	5.9	457	B	5.6	457	B	5.9	457
170	A	0.5	120	A	0.5	120	A	0.4	108	A	0.6	108	A	0.6	108	A	0.8	108	B	5.5	392	B	5.8	392	B	5.3	392	B	5.1	392
171	A	1.3	159	A	1.7	159	A	1.7	159	A	0.4	159	A	0.4	159	A	0.4	159	A	0.4	159	A	0.4	159	A	0.4	159	A	0.3	159
172	A	0.9	140	A	1.3	140	A	1.4	140	A	0.4	140	A	0.4	140	A	0.4	140	A	0.5	140	A	0.5	140	A	0.4	140	A	0.4	140
173	A	1.4	184	A	1.6	184	A	1.6	184	A	1.2	184	A	1.	184	A	1.1	184	A	1.3	184	A	1.4	184	A	1.2	184	A	1.3	184
174	A	6.9	418	A	7.	418	A	7.	418	A	6.5	418	A	6.5	418	A	6.5	418	A	6.4	418	A	6.5	418	A	6.4	418	A	6.4	418
175	A	1.5	203	A	1.7	203	A	1.6	203	A	1.5	203	A	1.4	203	A	1.6	203	A	2.1	203	A	2.3	203	A	2.1	203	A	6.3	259
176	B	23.3	4220	B	24.5	4220	B	24.4	4220	B	27.1	4220	B	26.5	4220	B	26.8	4220	A	22.6	890	A	23.	890	A	21.9	890	C	6.9	1646
177	A	13.8	456	A	14.6	456	A	14.7	456	A	18.6	456	A	18.6	456	A	19.2	456	B	26.5	2958	B	27.2	2958	B	25.8	2958	C	6.5	1338
178	A	17.4	555	A	18.4	555	A	18.5	555	B	23.	2913	B	22.7	2913	B	23.1	2913	B	25.5	2913	B	26.4	2913	B	25.3	2913	C	6.7	1431
179	B	21.9	5172	B	22.3	5172	B	22.3	5172	B	24.3	5172	B	24.	5186	B	24.3	5186	B	27.4	5186	B	28.2	5186	A	20.6	792	C	6.5	1357
180	A	12.1	418	A	12.4	418	A	12.5	418	C	17.	1027	C	16.7	1027	C	17.2	1027	C	19.7	1027	C	32.3	58816	C	32.	58816	C	23.2	1151
181	A	16.	527	A	16.9	527	A	17.2	527	B	24.9	3460	B	24.5	3460	B	24.9	3460	B	27.8	3460	B	28.7	3460	B	27.6	3460	C	6.8	1417
182	A	18.1	641	A	19.3	641	A	19.2	641	B	26.5	3920	B	25.8	3920	B	26.5	3920	A	21.5	753	A	22.2	753	A	21.2	753	C	6.9	1523
183	A	14.1	559	A	14.9	559	A	15.1	559	B	22.	3181	B	22.8	3181	B	22.6	3181	B	26.6	3181	B	27.3	3181	B	26.	3181	C	6.5	1442
184	B	13.8	1545	B	14.	1545	B	14.2	1545	C	17.3	2039	C	17.2	2039	C	17.4	2039	C	21.3	2039	C	33.8	103902	C	33.3	103902	C	6.6	1451
185	B	48.1	7691	B	44.3	21684	B	44.3	21684	B	26.8	21684	B	26.7	21684	B	27.8	33157	B	29.7	33199	B	25.5	3998	B	24.3	3998	B	25.3	3994
186	A	0.3	117	A	0.2	117	A	0.2	117	A	0.4	117	A	0.3	117	A	0.3	117	A	0.5	117	A	0.6	117	A	0.5	117	A	0.5	117
187	A	0.3	117	A	0.4	117	A	0.4	117	A	0.5	117	A	0.5	117	A	0.6	117	A	0.8	154	A	0.9	154	A	0.7	154	A	0.5	154
188	A	1.9	157	A	2.	157	A	2.	157	A	0.5	157	A	0.5	157	A	0.6	157	A	0.5	157	A	0.6	157	A	0.5	157	A	0.4	157
189	A	2.1	134	A	2.2	134	A	2.2	134	A	0.7	134	A	0.7	134	A	0.8	134	A	0.9	134	A	1.	134	A	0.8	134	A	0.5	134
190	A	3.	199	A	3.6	199	A	2.8	168	B	5.6	525	B	5.6	525	B	6.7	687	B	6.2	687	B	6.2	687	B	6.2	687	B	6.2	697
191	A	2.9	263	A	3.1	263	A	3.1	263	A	1.4	263	A	1.4	263	A	1.4	263	A	1.7	263	A	1.8	263	A	1.6	263	A	1.5	263
192	A	2.	215	A	2.3	215	A	2.	215	A	1.	215	A	0.9	215	A	1.2	215	A	1.2	215	A	1.4	215	A	1.2	215	A	0.8	215
193	A	11.3	458	A	11.3	458	A	11.3	458	A	4.7	486	A	4.5	486	A	5.2	486	B	6.3	1348	B	6.3	1348	B	6.3	1348	B	7.3	1547
194	A	11.2	406	A	11.2	406	A	11.2	406	A	3.7	424	A	3.5	424	A	3.7	424	A	4.5	424	A	4.9	424	A	4.3	424	B	6.9	1323
195	B	14.1	647	B	14.9	647	B	14.8	647	B	6.9	813	B	6.8	813	B	7.	813	B	6.2	813	B	6.2	813	B	6.2	813	B	6.1	561
196	A	0.6	125	A	0.6	125	A	0.6	114	A	1.	114	A	0.9	114	A	0.9	114	B	6.2	462	B	6.2	462	B	6.2	462	B	6.2	462
197	C	0.9	261	C	1.	261	C	0.9	261	C	0.6	261	C	0.6	261	C	0.7	261	C	0.9	261	C	1.	261	C	0.9	261	C	0.8	261
198	A	1.5	235	A	1.7	235	A	1.7	235	A	0.9	235	A	0.9	235	A	1.	235	A	0.8	235	A	0.9	235	A	0.8	235	A	0.7	235
199	A	3.6	492	A	4.	492	A	4.	492	A	3.2	492	A	3.	492	A	3.7	492	A	5.8	492	B	6.4	840	A	5.7	492	C	7.9	1392
200	C	4.4	514	C	4.9	514	C	4.9	514	C	6.3	514	C	6.	514	C	6.9	1071	C	7.3	1071	C	7.4	1071	C	7.2	1071	C	7.3	1071

Table 116 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
201	C	9.1	1230	C	9.5	1230	C	9.5	1230	C	8.	1230	C	7.9	1230	C	7.9	1230	C	8.8	1230	C	9.	1230	C	8.7	1230	C	8.9	1230
202	A	17.5	579	A	18.4	579	A	18.3	579	A	20.3	579	A	20.6	579	A	20.6	579	B	25.3	2994	B	26.3	2994	B	25.1	2994	F	0	0
203	A	19.2	680	A	20.6	680	B	23.6	3724	B	26.7	3724	B	26.1	3724	B	26.4	3724	A	21.6	804	A	22.5	804	A	21.5	804	F	0	0
204	B	27.1	8010	B	27.8	8010	B	27.8	8010	B	21.3	1401	B	21.2	1405	B	21.5	1405	B	23.3	1405	C	34.5	44293	C	33.9	44293	F	0	0
205	B	23.9	4887	B	24.5	4887	B	24.4	4887	B	25.5	4887	B	25.5	4902	B	25.8	4902	B	28.5	4902	B	29.4	4902	A	22.	714	C	7.	1350
206	B	27.2	5667	B	28.7	5667	B	28.4	5667	B	26.8	5667	B	26.1	5681	B	26.5	5681	B	30.1	5681	A	23.9	900	A	22.8	920	F	0	0
207	A	14.4	470	A	15.4	470	A	15.4	470	B	20.8	2741	B	21.5	2741	B	21.9	2741	B	25.	2741	B	25.9	2741	B	25.	2741	F	0	0
208	B	13.7	1417	B	14.1	1417	B	14.	1417	C	16.3	1905	C	16.3	1905	C	17.2	1905	C	19.8	1905	C	33.2	105684	C	32.8	105684	C	9.3	1227
209	B	27.9	5013	B	28.8	5013	B	28.8	5013	A	21.2	874	A	20.8	874	A	21.5	874	A	23.3	874	A	24.3	874	A	23.	874	F	0	0
210	B	28.3	5489	B	29.2	5489	B	29.3	5489	A	22.1	989	A	21.9	989	A	22.3	989	A	24.6	989	A	25.6	989	A	24.3	989	F	0	0
211	A	11.3	615	A	12.4	615	A	12.4	615	A	16.1	812	A	15.4	814	A	15.4	815	A	17.3	996	A	18.	996	A	17.	1018	C	6.8	1569
212	C	4.1	249	C	4.5	249	C	4.5	249	C	5.	249	C	5.	249	C	5.3	249	C	5.1	229	C	5.2	229	C	4.6	229	C	4.3	263
213	A	6.9	234	A	7.4	234	A	7.4	234	A	5.6	234	A	5.4	234	A	5.7	234	A	6.9	425	A	7.	425	A	6.9	425	C	8.5	2305
214	A	8.4	377	A	9.1	377	A	9.3	377	A	7.6	485	A	7.6	485	A	7.6	485	A	7.4	485	A	7.5	485	A	7.4	485	C	10.3	2842
215	A	10.9	410	A	11.1	410	A	11.3	410	A	7.1	580	A	7.1	580	A	7.2	580	A	6.8	580	A	6.9	580	A	6.8	580	C	7.7	3042
216	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
217	B	9.2	860	B	9.7	860	B	9.6	860	B	7.3	860	B	7.2	865	B	7.4	865	B	7.2	865	C	10.5	2378	C	8.1	2330	F	0	0
218	A	7.	534	B	8.1	830	B	8.	830	B	7.	830	B	7.1	835	B	7.2	835	B	6.9	835	C	10.3	2348	C	7.8	2300	F	0	0
219	A	9.4	1087	A	10.	1087	A	9.8	1087	A	7.5	1087	A	7.4	1092	A	7.7	1091	A	7.6	1092	C	11.1	2605	C	8.	2557	F	0	0
220	B	9.5	1059	B	10.2	1059	B	9.9	1059	B	7.3	1059	B	7.3	1064	B	7.6	1061	B	7.4	1064	C	10.8	2577	C	7.5	2529	F	0	0
221	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
222	C	6.8	3426	C	7.	3426	C	6.9	3426	C	6.8	3426	C	6.7	3426	C	6.7	3426	C	7.	3426	C	7.1	3426	C	6.9	3426	C	6.8	4694
223	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
224	C	12.3	817	C	13.2	817	C	13.1	817	C	7.3	817	C	7.2	817	C	7.3	817	C	7.3	817	C	17.5	2493	C	17.1	2493	F	0	0
225	C	5.3	427	C	6.1	427	C	6.1	427	C	6.7	623	C	6.7	623	C	6.8	623	C	6.6	623	C	15.7	2299	C	15.5	2299	F	0	0
226	C	10.4	9192	C	11.	9192	C	11.	9192	C	10.8	9192	C	10.6	9192	C	12.	9192	C	13.	9192	C	13.5	9192	C	12.6	9192	C	13.	12456
227	C	6.6	318	C	6.8	817	C	6.7	318	C	6.5	817	C	6.4	817	C	6.5	817	C	6.6	817	C	6.7	817	C	6.6	817	C	6.5	817
228	C	7.9	1070	C	8.	1070	C	8.	1070	C	6.4	1070	C	6.4	1070	C	6.4	1070	C	6.5	1070	C	6.6	1070	C	6.5	1070	C	6.4	1070
229	C	8.1	799	C	8.2	799	C	8.2	799	C	6.5	799	C	6.4	799	C	6.5	799	C	6.6	799	C	6.7	799	C	6.6	799	C	6.5	799
230	C	8.2	1116	C	8.3	1116	C	8.2	1116	C	6.5	1116	C	6.4	1116	C	6.5	1116	C	6.6	1116	C	6.7	1116	C	6.6	1116	C	6.5	1116
231	C	8.1	1162	C	8.3	1162	C	8.3	1162	C	6.9	1398	C	6.8	1398	C	6.9	1398	C	7.2	1398	C	9.1	1398	C	7.1	1300	C	8.4	1300
232	C	9.1	1271	C	9.3	1271	C	9.3	1271	C	7.3	1507	C	7.1	1507	C	7.2	1507	C	7.6	1507	C	7.8	1507	C	7.5	1409	C	7.5	1409
233	C	8.1	1200	C	8.2	1200	C	8.2	1200	C	6.9	1436	C	6.8	1436	C	6.9	1436	C	7.1	1436	C	7.1	1436	C	7.	1338	C	7.	1338
234	A	0.5	170	A	0.5	170	A	0.6	170	A	1.1	125	A	1.1	125	A	1.1	125	C	1.6	176	C	1.5	176	C	1.3	176	C	1.3	176

Table 116 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
235	A	2.8	125	A	7.2	125	A	1.6	131	A	2.	125	A	2.	125	A	2.	125	A	3.	125	A	3.2	125	A	2.9	125	A	2.2	125
236	A	1.4	85	A	2.1	85	A	0.9	91	A	0.9	85	A	0.9	85	A	0.9	85	A	1.2	85	A	1.2	85	A	1.1	85	A	0.9	85
237	A	1.2	105	A	2.	105	A	1.1	112	A	0.9	105	A	0.9	105	A	0.9	105	C	2.2	198	C	2.	198	C	1.8	198	A	3.1	309
238	A	1.2	132	A	1.4	132	A	1.3	132	A	1.6	131	A	1.6	131	A	1.7	131	C	5.6	230	C	5.4	230	C	5.	230	A	4.7	411
239	A	12.	479	A	9.7	178	A	11.4	479	A	3.6	178	A	3.6	178	A	3.7	178	C	2.8	267	C	2.6	267	C	2.4	267	A	3.8	271
240	A	12.2	498	A	12.2	498	A	11.4	556	A	4.9	200	A	4.8	200	A	5.1	200	C	3.4	282	C	3.1	282	C	2.9	282	A	3.9	293
241	A	2.4	118	A	3.1	118	A	2.1	162	A	2.3	118	A	2.2	118	A	2.4	118	A	4.3	243	A	4.5	243	A	4.1	243	A	2.4	168
242	A	2.	339	A	2.2	339	A	2.1	339	A	1.9	114	A	1.9	114	A	1.9	114	A	2.7	212	A	2.9	212	A	2.7	212	A	1.4	139
243	A	3.3	132	A	3.6	132	A	2.	175	A	3.3	132	A	3.3	132	A	3.3	132	A	6.4	344	A	6.4	344	A	6.4	344	A	3.3	168
244	C	4.4	295	C	4.7	295	C	4.7	295	C	6.2	682	C	6.2	682	C	6.2	682	C	6.3	682	C	6.3	682	C	6.3	682	C	6.2	682
245	C	6.6	1240	C	6.6	1240	C	6.6	1240	C	6.4	1240	C	6.3	1240	C	6.3	1240	C	6.4	1240	C	6.4	1240	C	6.4	1240	C	6.3	1240
246	C	6.2	405	C	6.6	405	C	6.7	405	C	6.4	1186	C	6.4	1186	C	6.4	1186	C	6.5	1186	C	6.5	1186	C	6.5	1186	C	6.4	1186
247	C	6.7	1364	C	6.8	1364	C	6.8	1364	C	6.5	1364	C	6.5	1364	C	6.5	1364	C	6.6	1364	C	6.6	1364	C	6.6	1364	C	6.5	1364
248	C	10.7	1360	C	11.1	1360	C	10.9	1360	C	7.	1599	C	7.	1599	C	7.1	1599	C	7.4	1599	C	7.4	1599	C	7.3	1501	C	7.3	1501
249	C	12.6	1741	C	12.7	1741	C	12.7	1741	C	7.1	1741	C	7.	1741	C	7.2	1741	C	7.5	1741	C	7.5	1741	C	7.4	1741	C	7.4	1741
250	C	12.6	1692	C	12.7	1692	C	12.7	1692	C	7.1	1692	C	7.	1692	C	7.2	1692	C	7.4	1692	C	7.5	1692	C	7.3	1692	C	7.3	1692
251	C	12.4	1751	C	12.4	1751	C	12.4	1751	C	6.7	1751	C	6.7	1751	C	6.7	1751	C	6.9	1751	C	7.	1751	C	6.9	1751	C	6.8	1751
252	C	12.9	1748	C	13.	1748	C	13.	1748	C	7.4	1748	C	7.3	1748	C	7.6	1748	C	8.1	1748	C	8.1	1748	C	7.9	1748	C	7.9	1748
253	C	12.9	1795	C	13.	1795	C	13.	1795	C	7.5	1795	C	7.5	1795	C	7.8	1795	C	8.1	1795	C	8.2	1795	C	8.	1795	C	8.1	1795
254	C	7.8	1705	C	8.1	1705	C	8.	1705	C	6.9	2063	C	6.8	2063	C	6.9	2063	C	7.2	2063	C	7.2	2063	C	7.1	1916	C	7.1	1916
255	C	8.3	1753	C	8.6	1753	C	8.6	1753	C	7.7	2107	C	7.6	2107	C	7.8	2107	C	8.3	2107	C	8.4	2107	C	8.2	1960	C	8.2	1960
256	C	8.3	1810	C	8.5	1810	C	8.5	1810	C	7.	2164	C	7.	2164	C	7.2	2164	C	7.4	2164	C	7.4	2164	C	7.3	2017	C	7.3	2017
257	A	1.4	116	A	1.8	116	A	1.8	116	A	0.9	94	A	0.9	94	A	0.9	94	C	1.5	209	C	1.3	209	C	1.2	209	A	2.5	245
258	A	2.7	123	A	6.9	123	A	1.6	129	A	1.5	123	A	1.5	123	A	1.6	123	A	3.1	123	A	3.2	123	A	2.9	123	A	2.2	123
259	A	7.1	178	A	7.8	157	A	6.3	166	A	2.8	157	A	2.7	157	A	2.9	157	C	3.2	276	C	2.9	276	C	2.6	276	A	3.7	267
260	A	0.4	163	A	0.4	163	A	0.4	163	A	0.6	163	A	0.6	163	A	0.6	163	A	1.1	152	A	1.2	152	A	1.1	152	A	0.8	134
261	B	2.6	446	B	2.9	446	B	2.9	446	A	1.7	96	A	1.6	96	A	1.7	96	A	3.	235	A	3.1	235	A	2.8	235	A	1.9	145
262	A	4.8	119	A	5.4	119	B	7.1	857	A	2.7	119	A	2.7	119	A	2.7	119	A	6.3	246	B	6.4	379	A	6.1	246	A	2.	168
263	A	1.8	117	A	1.8	117	A	1.8	117	A	1.	117	A	1.	117	A	1.	117	A	1.4	117	A	1.5	117	A	1.3	117	A	1.2	117
264	C	7.8	1569	C	8.	1569	C	8.	1569	C	6.6	1569	C	6.5	1569	C	6.5	1569	C	6.7	1569	C	6.8	1569	C	6.7	1569	C	6.6	1569
265	C	9.8	3207	C	10.1	3207	C	10.	3207	C	8.3	3915	C	8.1	3915	C	8.2	3915	C	9.	3915	C	9.1	3915	C	8.8	3621	C	8.8	3621
266	A	1.7	266	A	1.9	266	A	1.9	266	A	2.7	266	A	2.6	269	A	2.6	269	A	3.6	269	C	27.5	1377	C	27.	1378	A	3.6	259
267	A	4.7	423	A	5.2	423	A	5.3	423	A	7.2	472	A	7.2	474	A	7.3	474	A	7.4	474	C	10.4	1534	C	10.6	1535	A	7.2	474
268	C	38.7	20454	C	39.6	66318	C	32.9	197905	C	35.5	64878	C	35.2	64878	C	35.5	64878	F	0	0	C	37.7	64878	C	37.1	64878	F	0	0

Table 116 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
269	C	31.9	142291	C	32.6	197701	C	32.5	197701	C	35.1	86542	C	34.9	86542	C	34.9	86542	F	0	0	C	36.1	86542	C	35.5	86542	F	0	0
270	C	19.	457	C	20.9	457	C	21.	457	C	20.2	492	C	20.	492	C	19.9	492	C	26.2	3195	C	26.6	3195	C	25.7	3195	A	2.7	256
271	C	34.2	53270	C	34.8	53270	C	34.6	53270	C	32.7	52620	C	32.5	52620	C	32.5	52620	F	0	0	C	31.7	52620	C	31.6	52620	C	9.6	528
272	C	35.	100008	C	35.5	100008	C	35.3	100008	C	33.7	98830	C	33.4	98830	C	33.5	98830	F	0	0	C	32.5	98830	C	32.3	98830	C	6.7	599
273	C	31.	4327	C	31.9	4327	C	31.8	4327	C	26.4	4327	C	25.9	4327	C	26.2	4327	C	30.	6045	C	30.3	6045	C	29.8	6045	C	11.2	1033
274	C	32.5	142581	C	33.2	197991	C	33.1	197991	C	37.5	119861	C	36.9	119861	C	37.2	119861	F	0	0	C	37.9	119861	C	37.5	119861	F	0	0
275	C	33.1	169906	C	33.9	234551	C	33.8	234551	C	38.7	215866	C	38.	215866	C	38.3	215866	F	0	0	C	37.6	215866	C	36.8	215866	F	0	0



2.115 4\_Trig\_functions\4.3aSecant\4.3.7(dtrig)^m(a+b(csec)^n)^p

Table 117: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	g
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.2 88	A 0.2 88	A 0.2 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0. 88	A 0. 88	A 0.1 88	
2	A 0.1 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	
3	B 0.1 58	B 0.1 58	B 0.2 84	B 0.1 84	B 0. 84	B 0. 84	B 0. 84	B 0. 84	B 0. 84	B 0. 84	B 0. 84	
4	A 0.3 78	A 0.3 78	A 0.3 78	A 0.3 78	A 0.3 78	A 0.3 78	A 0.5 78	A 0.5 78	A 0.5 78	A 0.4 78	A 0.4 78	
5	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	
6	A 2.7 151	A 3.5 151	A 3.5 151	A 1.4 151	A 1.3 151	A 1.5 151	A 2.1 151	A 2.1 151	A 2. 151	A 1.7 151	C 6.4 830	
7	B 1.2 353	B 1.8 353	B 1.8 353	B 1.7 353	B 1.6 353	B 2.4 353	B 3.3 353	B 3.9 353	B 3.5 353	B 2.1 353	C 6.6 1631	
8	C 1.7 376	C 1.9 376	C 1.9 376	C 2.4 376	C 2.3 376	C 3. 376	C 4.8 376	C 4.9 376	C 4. 540	C 3.3 540	C 3.3 582	
9	C 1.1 371	C 1.9 371	C 1.9 371	C 1.7 371	C 1.6 371	C 2.7 371	C 4.3 371	C 4.4 371	C 3.7 371	C 2.4 371	C 2.2 371	
10	C 1.6 303	C 2. 303	C 2. 303	C 2.4 303	C 2.3 303	C 2.5 303	C 3.9 303	C 4. 303	C 3.7 303	C 3.3 303	C 3. 303	
11	C 0.4 245	C 0.6 245	C 0.6 245	C 0.9 245	C 0.9 245	C 1.1 245	C 1.6 245	C 1.6 245	C 1.5 245	C 1.2 245	C 0.6 245	
12	C 2.5 393	C 3.5 393	C 3.6 393	C 4.5 393	C 4.1 393	C 8.7 804	C 10.3 804	C 10.4 804	C 7.9 461	C 4.7 461	C 2.7 452	
13	C 10. 1021	C 12.3 1105	C 12.2 1105	C 15.3 1105	C 14.7 1105	C 15.8 1354	C 17.7 1354	C 17.9 1354	C 17.5 1354	C 17.5 1354	C 16.9 3520	
14	C 6.3 1153	C 8.8 1153	C 8.9 1153	C 12.6 1392	C 12.3 1392	C 14.2 1392	C 18.2 1392	C 18.6 1392	C 17.3 1360	C 14. 1360	C 12.9 1344	
15	C 14.2 1639	C 16. 1639	C 16.1 1639	C 21.1 1639	C 20. 1639	C 22.9 1639	C 29.3 2349	C 29.8 2349	C 25.3 2057	C 25.2 2057	C 26.5 13325	
16	C 11.4 1748	C 15.4 1915	C 14.5 1915	C 20.5 1915	C 17.7 1915	C 24.7 2187	C 30.4 2480	C 31. 2480	C 26.4 2187	C 23.4 1915	C 22.9 9153	
17	C 5. 749	C 6.2 749	C 6.2 749	C 7. 987	C 6.9 987	C 6.9 987	C 7.2 987	C 7.3 987	C 7.2 987	C 7.2 987	C 7.1 3158	
18	C 3.5 309	C 2.5 285	C 2.5 285	C 3.9 285	C 3.8 285	C 8.8 309	C 6.5 309	C 6.6 309	C 5.5 309	C 4.5 309	C 4.1 309	
19	A 0.9 188	A 1. 188	A 0.9 188	A 1.5 188	A 1.5 188	A 1.5 188	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
20	A 0.5 164	A 0.5 164	A 0.5 164	A 0.8 164	A 0.8 164	A 0.8 164	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
21	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
22	C 0.1 78	C 0.2 78	C 0.1 78	C 0.2 78	C 0.2 78	C 0.3 78	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
23	A 0.9 64	A 1.1 64	A 1.1 64	A 1.5 64	A 1.5 64	A 1.6 64	A 1.2 64	A 1.2 64	A 1.2 64	A 1. 64	A 0.9 64	
24	A 3.6 229	A 3.6 229	A 3.6 229	A 5.6 229	A 5.4 229	A 5.9 229	C 64. 2543	C 60.7 2543	C 58.6 3538	C 42.9 3470	C 35.6 3470	
25	A 0.8 190	A 1. 190	A 1. 190	A 2.1 190	A 1.3 190	A 3.1 190	C 27.2 1522	C 13.2 1522	C 15.7 1985	C 8.7 1917	C 6.9 1917	
26	A 2.3 129	A 2.6 129	A 2.6 129	A 2.9 129	A 2.8 129	A 3. 129	A 4.1 129	A 4.3 129	A 3.9 129	A 3.6 129	A 3.3 129	
27	A 0.6 68	A 0.8 68	A 0.8 68	A 2. 68	A 1.8 68	A 2. 68	A 2.2 68	A 2.3 68	A 2.1 68	A 1.8 68	A 1.9 68	
28	F 0 0	B 19.6 3781	B 19.6 3781	B 21.9 3781	B 22.3 3781	B 23.1 3781	B 24.7 3957	B 14.3 1024	B 14.1 1024	B 11.6 375	A 0.7 111	
29	A 1.6 132	A 1.7 132	A 1.7 132	A 2.6 132	A 2.4 132	A 2.6 132	A 2.1 112	A 2.3 112	A 2. 112	A 1.7 112	A 1.8 113	
30	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0.1 40	A 0.1 40	A 0. 40	A 0. 40	A 0.1 40	

Table 117 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	A	0.	137	A	0.	137	A	0.	137	A	0.4	75	A	0.3	75	A	0.4	75	A	5.9	122	A	5.9	122	A	5.8	122	A	5.9	122	A	5.7	122
32	A	0.	93	A	0.	93	A	0.	93	A	0.1	54	A	0.1	54	A	0.1	54	A	3.1	104	A	3.3	104	A	3.	104	A	2.6	104	A	2.7	104
33	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	B	0.	92	B	0.	92	B	0.	92	B	0.	92	B	0.	92
34	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53
35	A	0.2	61	A	0.1	61	A	0.2	61	A	0.2	61	A	0.2	61	A	0.2	61	A	0.	95	A	0.	95	A	0.	95	A	0.	95	A	0.	95
36	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.1	68	A	0.2	68	A	0.2	68	A	0.1	68	A	0.1	68	A	0.1	68
37	A	0.3	75	A	0.3	75	A	0.3	75	A	0.4	75	A	0.4	75	A	0.4	75	B	0.1	190	B	0.1	190	B	0.1	190	B	0.	190	B	0.	190
38	A	0.5	136	A	0.6	136	A	0.6	136	A	0.8	136	A	0.8	136	A	1.	136	A	1.6	136	A	1.8	136	A	1.	122	A	0.9	122	C	4.3	1271
39	C	1.5	192	C	1.7	192	C	1.7	192	C	0.9	192	C	0.8	192	C	0.9	192	C	1.4	192	C	1.5	192	C	1.4	192	C	1.2	192	C	0.7	192
40	A	0.4	89	A	0.4	89	A	0.4	89	C	4.2	945	C	4.1	945	C	5.5	945	C	7.9	2271	C	8.	2271	C	7.8	2271	C	6.4	1081	C	4.2	1081
41	C	1.7	211	C	1.9	211	C	1.9	211	C	1.1	211	C	1.	211	C	1.2	211	C	1.7	211	C	1.8	211	C	1.6	211	C	1.4	211	C	1.1	211
42	A	0.6	163	A	0.7	163	A	0.7	163	A	1.1	163	A	1.	163	A	1.2	163	C	7.9	2214	C	8.	2214	C	7.8	2214	C	7.6	2278	C	6.4	1039
43	C	7.2	2670	C	7.2	2670	C	7.3	2670	C	7.8	2670	C	7.6	2670	C	7.8	2670	C	8.7	2670	C	8.8	2670	C	8.6	2670	C	8.2	2734	C	7.9	2734
44	C	3.3	283	C	3.8	283	C	3.8	283	C	4.1	283	C	3.8	283	C	4.4	283	C	6.7	539	C	6.7	539	C	5.3	283	C	4.8	283	C	3.6	283
45	C	2.8	265	C	3.3	265	C	3.3	265	C	2.9	265	C	2.7	265	C	3.3	265	C	5.2	265	C	5.4	265	C	5.4	265	C	4.5	265	C	3.8	265
46	C	7.2	1134	C	8.4	1134	C	8.3	1134	C	6.6	1430	C	6.6	1430	C	6.6	1430	C	6.8	1430	C	6.9	1430	C	6.8	1430	C	6.8	1430	C	6.8	5163
47	C	8.4	1411	C	8.6	1411	C	8.6	1411	C	7.	1411	C	6.9	1411	C	7.	1411	C	7.3	1411	C	7.3	1411	C	7.2	1411	C	7.3	1411	C	7.3	4977
48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.1	48	A	0.3	54	A	0.3	54	A	0.3	54	A	0.3	54	A	0.4	60
49	A	0.2	59	A	0.2	59	A	0.2	67	A	0.3	69	A	0.3	69	A	0.3	69	A	0.6	59	A	0.6	59	A	0.5	59	A	0.5	59	A	0.3	67
50	A	0.1	71	A	0.1	71	A	0.3	79	A	0.4	79	A	0.3	79	A	0.4	79	A	0.3	71	A	0.3	71	A	0.3	71	A	0.2	71	A	0.2	83
51	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
52	C	5.3	349	C	10.2	349	C	10.2	349	C	8.8	390	C	8.5	390	C	8.8	390	C	6.5	322	C	6.4	322	C	5.5	322	C	4.6	322	C	3.8	322
53	B	1.1	210	B	1.2	210	B	1.2	210	B	1.8	210	B	1.8	210	B	1.8	210	C	4.7	257	C	4.8	257	C	4.2	257	C	3.2	257	C	2.7	257
54	A	0.7	191	A	0.7	191	A	0.7	191	A	1.1	191	A	1.1	191	A	1.1	191	C	8.3	369	C	9.3	369	C	8.4	369	C	6.3	369	C	5.6	369
55	A	0.4	69	A	0.6	69	A	0.6	69	A	0.2	69	A	0.2	69	A	0.2	69	A	0.3	69	A	0.3	69	A	0.3	69	A	0.3	69	A	0.6	69
56	B	0.1	87	B	0.1	87	B	0.1	87	B	0.1	87	B	0.1	87	B	0.1	87	B	0.1	87	F	0	0	F	0	0	F	0	0	F	0	0
57	C	5.9	229	C	7.4	405	C	7.4	405	C	7.2	405	C	7.1	405	C	8.	405	C	10.6	289	C	10.7	289	C	10.1	289	C	8.6	289	C	7.7	289
58	C	21.1	2068	C	16.3	2068	C	16.3	2068	C	21.6	2068	C	21.7	2068	C	21.5	2068	C	27.2	2068	C	19.5	214	C	16.3	214	C	16.2	214	C	14.5	200
59	A	2.8	167	A	3.	167	A	3.	167	A	3.	167	A	2.8	167	A	2.9	167	A	4.5	167	A	4.8	167	A	4.7	167	A	4.7	167	A	3.8	167
60	C	19.7	1204	C	17.5	1204	C	17.7	1204	C	10.9	1156	C	10.7	1156	C	10.8	1156	C	14.5	1156	C	15.5	1156	C	14.1	1156	C	13.2	1156	F	0	0
61	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
62	A	4.1	78	A	4.9	78	A	4.9	78	B	6.1	215	B	6.1	215	B	6.1	215	A	2.4	78	A	2.6	78	A	2.4	78	A	2.	78	A	1.8	78
63	C	19.4	1927	C	14.4	1927	C	14.5	1927	C	17.1	1927	C	17.1	1927	C	16.8	1927	C	20.6	1927	C	12.4	192	C	11.4	192	C	11.2	192	C	8.7	192
64	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.1	47	B	0.1	47	B	0.1	47	B	0.1	47	B	0.1	47

Table 117 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
65	B	16.	1392	B	15.2	1392	B	15.1	1392	B	17.9	1989	B	17.5	1989	B	17.4	1989	B	19.4	1989	A	4.7	213	A	4.1	217	A	3.9	217	A	3.6	217
66	B	16.8	1549	B	15.5	1997	B	15.4	1997	B	17.9	1997	B	17.7	1997	B	17.5	1997	B	21.3	1997	A	6.4	217	A	6.	220	A	8.2	220	A	3.9	220
67	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	45	A	0.1	45	A	0.	45	A	0.	45	A	0.	45
68	A	0.	58	A	0.	58	A	0.	73	A	0.2	64	A	0.2	64	A	0.2	64	A	0.	58	A	0.1	58	A	0.	58	A	0.	58	A	0.	58
69	C	0.1	43	C	0.1	43	C	0.1	43	C	0.	43	C	0.	43	C	0.	43	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29
70	A	0.2	107	A	0.2	107	A	0.2	107	A	0.3	107	A	0.3	107	A	0.3	107	A	0.9	106	A	1.	106	A	0.9	106	A	0.9	106	A	1.	149
71	A	0.3	41	A	0.4	41	A	0.4	41	B	0.4	106	B	0.4	106	B	0.4	106	B	0.5	106	B	0.5	106	B	0.4	106	B	0.4	106	B	0.8	132
72	C	2.5	390	C	2.9	390	C	2.9	390	C	3.9	390	C	3.6	390	C	3.9	390	C	6.3	390	C	6.6	390	C	6.1	390	C	5.5	390	C	6.5	251
73	A	0.3	109	A	0.3	109	A	0.3	109	A	0.5	109	A	0.5	109	A	0.6	109	A	1.5	137	A	1.6	137	A	1.5	137	A	1.4	137	A	1.3	137
74	A	0.6	81	A	0.6	81	A	0.6	81	A	0.8	81	A	0.8	81	A	0.8	81	A	1.1	81	A	1.1	81	A	1.	81	A	0.9	81	A	0.9	81
75	A	0.2	112	A	0.3	112	A	0.3	112	A	0.4	112	A	0.4	112	A	0.4	112	A	1.7	137	A	1.9	137	A	1.7	138	A	1.5	138	A	1.5	138
76	C	3.4	286	C	4.	286	C	4.	286	C	5.3	286	C	4.9	286	C	5.	286	C	6.9	593	C	6.9	593	C	6.9	593	C	6.9	593	C	6.6	286
77	C	7.8	3028	C	8.2	3028	C	8.3	3028	C	7.6	3028	C	7.4	3028	C	7.4	3028	C	8.	3028	C	8.	3028	C	7.9	3028	C	8.	3028	C	7.8	11775
78	A	1.2	131	A	1.3	131	A	1.4	131	A	1.8	131	A	1.6	131	A	1.8	131	A	2.5	131	A	2.8	131	A	2.5	131	A	2.3	131	A	2.3	131
79	A	0.7	158	A	0.8	158	A	0.8	158	A	1.1	158	A	1.1	158	A	1.2	158	C	5.3	253	C	5.7	253	C	5.1	273	A	3.5	173	A	3.3	173
80	C	4.3	527	C	3.9	527	C	4.	527	C	6.4	527	C	6.	527	C	6.6	527	C	12.1	527	C	12.1	527	C	11.1	527	C	9.	527	C	6.6	527
81	C	0.3	284	C	1.3	284	C	1.3	284	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
82	C	4.3	703	C	3.9	703	C	4.	703	C	7.2	703	C	6.7	703	C	8.1	703	C	14.5	703	C	14.3	703	C	12.9	703	C	9.4	703	C	7.6	703
83	C	4.3	410	C	4.	410	C	3.9	410	C	6.8	410	C	6.4	410	C	8.2	410	C	14.6	410	C	14.8	410	C	14.4	410	C	9.2	410	C	7.8	410
84	A	0.1	33	A	0.1	33	A	0.1	33	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
85	C	1.7	294	C	1.7	294	C	1.7	294	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
86	C	1.4	296	C	1.5	296	C	1.4	296	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
87	A	0.2	127	A	0.2	127	A	0.2	127	A	0.3	127	A	0.3	127	A	0.4	127	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
88	C	8.5	521	C	7.9	521	C	8.1	521	C	10.9	613	C	10.6	613	C	11.	613	C	14.7	613	C	14.9	613	C	14.2	613	C	13.2	613	C	11.9	613
89	B	4.	409	B	4.3	409	B	4.4	409	B	6.8	409	B	6.5	409	B	6.7	409	C	28.4	899	C	28.1	899	C	29.4	1391	C	23.7	1765	C	20.9	1180
90	A	4.6	247	A	4.4	247	A	4.5	247	A	8.2	247	A	7.9	247	A	8.2	247	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
91	A	0.2	61	A	0.2	61	A	0.2	61	A	0.3	61	A	0.3	61	A	0.3	61	A	3.3	84	A	3.2	84	A	2.8	84	A	4.	84	C	0.6	95
92	B	23.5	2465	B	15.3	2465	B	15.2	2465	B	17.2	2465	B	17.	2465	B	17.4	2465	B	20.1	2465	B	9.7	272	B	6.9	272	B	7.5	272	A	0.5	105
93	A	3.8	162	A	4.1	162	A	4.2	162	A	5.2	162	A	4.3	171	A	5.2	171	A	6.1	171	A	6.5	171	A	6.1	171	A	5.9	171	A	4.5	171
94	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
95	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0

## 2.116 4\_Trig\_functions\4.3bCosecant\4.3.0(acsc)^m(btrg)^n

Table 118: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 12	A 0. 12	B 0. 38	B 0. 38	B 0. 38	B 0. 38	B 0. 38	B 0. 38	B 0. 38	B 0. 38	B 0. 38	B 0. 38	B 0. 42
2	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35
3	A 0.1 53	A 0. 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 44	A 0.4 53	A 0.2 53	A 0.2 53
4	A 0.1 65	A 0.1 65	A 0.1 65	A 0.2 65	A 0.1 65	A 0.2 65	A 0.2 65	A 0.2 65	A 0.3 65	A 0.2 65	A 0.2 57	A 0.4 65	A 0.3 65
5	A 0.1 60	A 0.1 60	A 0.2 60	A 0.2 60	A 0.2 60	A 0.2 60	A 0.3 60	A 0.3 60	A 0.3 60	A 0.3 60	A 0.1 58	A 1.4 60	A 1. 60
6	A 0. 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.2 54	A 0.2 54
7	A 0. 51	A 0. 51	A 0. 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51
8	A 0. 51	A 0. 51	A 0. 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0. 51	A 0.1 51
9	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65
10	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0.1 37	A 0.1 37	A 0.1 37	A 0.1 37	A 0.1 37	A 0.1 37	A 0. 37
11	A 0.1 58	A 0.1 58	A 0.1 58	A 0.2 58	A 0.2 58	A 0.2 58	A 0.3 58	A 0.3 58	A 0.3 58	A 0.3 64	A 1. 62	A 0.7 62	A 0.7 62
12	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.2 46	A 0.2 46	A 0.2 46	A 0.2 51	A 0.1 45	A 0.1 45	A 0.1 45
13	A 0.1 63	A 0.1 63	A 0.1 63	A 0.2 63	A 0.1 63	A 0.1 63	A 0.2 63	A 0.2 63	A 0.2 63	A 0.2 61	A 0.4 63	A 0.3 63	A 0.3 63
14	A 0.3 77	A 0.3 77	A 0.3 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.2 77	A 0.2 77	A 0.2 77	A 0.2 77	A 0.2 77	A 0.2 77	A 0.1 77

## 2.117 4\_Trig\_functions\4.3bCosecant\4.3.11(ex)^m(a+bcsc(c+dx^n))^p

Table 119: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.2 159	A 0.2 159	A 0.2 159	A 0.3 159	A 0.3 159	A 0.3 159	A 0.3 159	A 0.3 159	A 0.2 159	A 0.2 159	A 0.2 159	A
2	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
3	B 1.8 639	B 2. 639	B 2.1 639	B 3.5 639	B 3.2 639	B 3. 639	A 7.4 310	A 6.7 310	A 2.7 349	A 2.5 349	A 2.7 349	A
4	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
5	A 0.1 167	A 0.1 167	A 0.1 167	A 0.1 167	A 0.1 167	A 0.1 167	A 0. 167	A 0. 167	A 0. 167	A 0. 167	A 0. 167	A
6	A 0.7 319	A 0.9 319	A 0.9 319	A 1.3 488	A 1.2 488	A 1.3 488	A 1.7 488	A 1.7 488	A 1.5 488	A 1.3 488	A 1.4 459	A
7	B 2.3 987	B 3.4 987	B 3.3 987	B 4.4 987	B 4.1 987	B 6.2 1104	B 6.1 1104	B 6.1 1104	B 6.1 1104	B 4.5 973	B 5. 973	B
8	B 15.2 2566	B 14.9 2566	B 15. 2566	B 15.6 2446	B 15.3 2446	B 16. 2446	A 16.9 996	A 17.4 996	A 15.8 996	B 10.1 1424	B 9.3 1424	B
9	A 5.4 449	A 6.3 449	A 6.6 449	A 9.9 449	A 9.2 449	A 10.5 631	A 11.4 608	A 11.5 608	A 16.1 637	A 11.6 458	F 0 0	F
10	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
11	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
12	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
13	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
14	A 0.4 185	A 0.4 185	A 0.4 185	A 0.2 185	A 0.2 185	A 0.3 185	A 0.2 185	A 0.2 185	A 0.2 185	A 0.2 185	A 0.2 185	A
15	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
16	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
17	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F

## 2.118 4\_Trig\_functions\4.3bCosecant\4.3.1.2(dcsc)^n(a+bcsc)^m

Table 120: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	B 0.6 113	B 0.7 113	B 0.7 113	B 0.9 113	B 0.8 113	B 0.9 113	B 1.2 113	B 1.3 113	B 1.2 113	B 1.2 113	B 1.1 113	B 0.8 113	
2	A 0.2 42	A 0.2 42	A 0.2 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.2 42	A 0.2 42	A 0.2 42	A 0.1 42	A 0.2 42	A 0.1 42	
3	A 0.3 129	A 0.3 129	A 0.3 129	A 0.5 129	A 0.5 129	A 0.5 129	B 1.1 165	B 1.1 165	B 1.1 166	B 1.1 166	B 9.6 173	B 8.2 173	
4	A 0.3 139	A 0.4 139	A 0.4 139	A 0.5 139	A 0.5 139	A 0.6 139	A 1.5 197	A 1.5 197	A 2.1 178	A 2.3 178	B 10. 234	B 8.7 234	
5	B 1.9 108	B 1.5 108	B 2.1 108	B 0.4 108	B 0.4 108	B 0.5 108	B 0.6 108	B 0.7 108	B 0.6 108	B 0.6 108	B 1. 108	B 0.8 110	
6	C 12.4 109	C 17.9 109	C 18.1 109	C 1.1 109	C 1. 109	C 1.2 109	C 1.1 85	C 1.2 85	C 1.1 85	C 1.4 85	C 1.9 85	C 1.7 85	
7	A 0.8 48	A 0.8 48	A 0.8 48	A 0.2 48	A 0.2 48	A 0.2 48	A 0.2 48	A 0.2 48	A 0.2 48	A 0.2 48	A 1.2 48	A 0.8 48	
8	A 1.6 73	A 1.9 73	A 1.9 73	A 1. 73	A 0.9 73	A 1. 73	A 1.4 73	A 1.4 73	A 1.3 73	A 1.4 73	A 1.2 73	A 0.9 73	
9	A 3.2 178	A 3.4 178	A 3.5 178	A 4.8 178	A 0.7 199	A 0.8 199	A 3.6 175	A 3.8 175	A 3.5 175	A 3.5 175	A 2.8 175	A 2.1 216	
10	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
11	A 0.2 56	A 0.2 56	A 0.2 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.2 56	A 0.2 56	A 0.2 56	A 0.2 56	A 0.3 56	A 0.2 56	
12	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	

2.119 4\_Trig\_functions\4.3bCosecant\4.3.1.3(dcos)^n(a+bcsc)^m

Table 121: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
1	A 0.1 40	A 0.1 40	A 0.1 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A
2	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A
3	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0. 59	A
4	A 0.4 139	A 0.4 139	A 0.4 139	A 0.5 139	A 0.4 139	A 0.4 139	A 0.6 139	A 0.7 139	A 0.6 139	A 0.6 139	A 0.6 139	A 0.5 139	A
5	A 0.6 121	A 0.6 121	A 0.7 121	A 0.9 121	A 0.8 121	A 0.9 121	A 1.3 121	A 1.4 121	A 1.2 134	A 1.4 134	A 1.2 137	A 0.9 136	A

2.120 4\_Trig\_functions\4.3bCosecant\4.3.1.4(dcot)^n(a+bcsc)^m

Table 122: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	B 0.2 111	B 0.2 111	B 0.2 111	B 0.2 111	B 0.2 111	B 0.2 111	B 0.2 111	B 0.2 111	B 0.2 111	B 0.2 111	B 0.2 111	B 0.1 111	B
2	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	B 0. 19	B 0. 19	B 0. 19	B 0. 19	B 0. 19	B 0. 19	B 0. 23
3	A 0. 39	A 0. 39	A 0. 39	A 0.1 39	A 0.1 39	A 0.1 39	B 0. 179	B 0. 179	B 0. 179	B 0. 179	B 0. 179	B 0. 179	B 0. 179
4	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11
5	A 0.7 312	A 0.7 312	A 0.7 312	A 1. 312	A 0.9 312	A 1.2 312	A 1.8 312	A 1.9 312	A 1.7 312	A 1.5 312	A 2.4 312	A 2. 312	A



2.121 4\_Trig\_functions\4.3bCosecant\4.3.3.1(a+bcsc)^m(dcsc)^n(A+Bcsc)

Table 123: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.2 163	A 0.2 163	A 0.2 163	A 0.1 163	A 0.1 163	A 0.1 163	A 0.1 163	A 0.1 163	A 0.1 163	A 0.1 163	A 0.1 163	A 0.1 163	A 0.163
2	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.33
3	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0.25
4	B 0.1 79	B 0. 79	B 0.1 79	B 0. 79	B 0. 79	B 0. 79	B 0. 79	B 0. 79	B 0. 79	B 0. 79	B 0. 79	B 0. 79	B 0.79
5	A 0.2 44	A 0.2 44	A 0.2 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.2 44	A 0.2 44	A 0.2 44	A 0.2 44	A 0.2 44	A 0.2 44	A 0.1 44

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**2.122** 4\_Trig\_functions\4.3bCosecant\4.3.4.2(a+bcsc)^m(dcsc)^n(A+Bcsc+Ccsc^2)

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Table 124: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7			
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
1	A	0.9	133	A	1.	133	A	1.	133	A	0.8	133	A	0.8	133
	A	0.9	133	A	1.	133	A	0.8	133	A	0.8	133	A	0.9	133
	A	1.	133	A	0.9	133	A	1.	133	A	0.7	111	A	4.	133
	A	4.3	133	A	4.3	133	A	4.3	133	A	4.3	133	A	4.3	133

## 2.123 4\_Trig\_functions\4.3bCosecant\4.3.7(dtrig)^m(a+b(ccsc)^n)^p

Table 125: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 3.1 148	A 3.6 148	A 3.6 148	A 3.6 148	A 3.6 148	A 3.8 148	A 4.6 148	A 4.7 148	A 4.4 148	A 3.8 148	B 2.7 308	B 2.2 308	E
2	B 0.6 83	B 0.8 83	B 0.8 83	B 0.7 83	B 0.7 83	B 0.7 83	B 1. 83	B 1. 83	B 0.9 83	B 0.8 83	A 0.8 61	A 0.6 61	A
3	A 1.6 46	A 1.8 46	A 1.9 46	A 0.2 46	A 0.2 46	A 0.2 46	A 0.2 46	A 0.2 46	A 0.2 46	A 0.2 46	A 0.2 46	A 0.2 46	A
4	A 0.3 149	A 0.2 149	A 0.2 149	A 0.3 149	A 0.2 149	A 0.3 149	A 0.3 149	A 0.3 149	A 0.3 149	A 0.3 149	A 13.7 149	A 6. 149	A
5	A 1. 231	A 1.1 231	A 1.1 231	A 1.5 231	A 1.5 231	A 1.9 231	A 2.9 231	A 3.1 231	A 2.4 231	A 2. 231	A 1.9 231	A 1.6 231	A
6	B 0.1 51	B 0.1 51	B 0.1 51	B 0.1 51	B 0.1 51	B 0.1 51	B 0.1 51	B 0.1 51	B 0.1 51	B 0.1 51	B 0.6 51	B 0.4 51	E

## 2.124 4\_Trig\_functions\4.4Miscellaneous\4.4.1(ctrig)^m(dtrig)^n

Table 126: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.2 47	A 0.2 47	A 0.2 47	A 0.4 47	A 0.3 47	A 0.3 47	A 0.5 47	A 0.5 47	A 0.5 47	A 0.4 47	A 0.4 47	A 0.3 47
2	A 0. 27	A 0. 27	A 0. 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0.1 27
3	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	B 0. 72	B 0. 72	B 0. 72	B 0. 72	B 0. 72	B 0. 72
4	A 0.2 68	A 0.2 68	A 0.2 68	A 0.4 68	A 0.4 68	A 0.4 68	A 0.6 68	A 0.6 68	A 0.6 68	A 0.4 68	A 0.4 68	A 0.3 68
5	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40
6	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13
7	A 0.2 48	A 0.2 48	A 0.2 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48
8	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	B 0. 71	B 0. 71	B 0. 71	B 0. 71	B 0. 71	B 0. 71
9	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	B 0.2 69	B 0.2 69	B 0.2 69	B 0.2 69	B 0.2 69	B 0.2 69
10	A 0.1 59	A 0.1 59	A 0.1 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59
11	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23	B 0. 23
12	A 0.1 62	A 0.1 62	A 0.1 62	A 0.2 62	A 0.2 62	A 0.2 62	A 0.4 62	A 0.4 62	A 0.3 62	A 0.2 62	A 0.2 62	A 0.2 62
13	B 0.5 104	B 0.5 104	B 0.5 104	B 0.1 104	B 0.1 104	B 0.1 104	B 0.1 104	B 0.1 104	B 0.1 104	B 0.1 104	B 0.1 104	B 0.1 104
14	A 0.1 27	A 0.1 27	A 0.1 27	A 0.2 27	A 0.2 27	A 0.2 27	A 0.2 27	A 0.2 27	A 0.2 27	A 0.2 27	A 0.2 27	A 0.1 27
15	A 2.8 129	A 3. 129	A 3. 129	A 4.6 129	A 4.8 129	A 5.8 129	B 6.1 195	B 6.1 195	B 6. 195	B 6. 195	B 0.4 183	B 0.3 183
16	A 0.3 98	A 0.3 98	A 0.3 98	A 0.3 98	A 0.3 98	A 0.3 98	A 0.5 98	A 0.5 98	A 0.5 98	A 0.4 98	C 0.5 100	C 0.5 100
17	A 0.2 43	A 0.2 43	A 0.2 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.2 43	A 0.2 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43
18	A 0.2 41	A 0.2 41	A 0.2 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41
19	A 0.2 83	A 0.2 83	A 0.3 83	A 0.2 83	A 0.2 83	A 0.2 83	A 0.3 83	A 0.3 83	B 0.2 97	B 0.2 97	B 1.2 97	B 0.9 97
20	A 0.6 62	A 0.7 62	A 0.7 62	A 0.2 62	A 0.2 62	A 0.2 62	A 0.2 62	A 0.2 62	A 0.2 62	A 0.2 62	A 0.2 62	A 0.2 62
21	A 0.2 86	A 0.2 86	A 0.2 86	A 0.2 86	A 0.2 86	A 0.2 86	A 0.4 86	A 0.4 86	A 0.4 86	A 0.3 86	C 0.2 87	C 0.2 87
22	A 0.5 66	A 0.6 66	A 0.6 66	A 0.3 66	A 0.3 66	A 0.3 66	A 0.5 66	A 0.5 66	A 0.5 66	A 0.4 66	A 0.4 66	A 0.3 66
23	A 1.9 76	A 1.5 76	A 1.6 76	A 0.3 76	A 0.3 76	A 0.3 76	A 0.4 76	A 0.4 76	A 0.3 76	A 0.3 76	A 1.6 76	A 0.9 76
24	C 0.3 52	C 0.3 52	C 0.3 52	A 0.9 73	A 0.9 73	A 0.9 73	A 1.3 73	A 1.3 73	A 1.2 87	A 1.5 87	A 1. 87	A 0.8 87
25	A 0.5 64	A 0.5 64	A 0.5 64	A 0.6 64	A 0.6 64	A 0.7 64	A 1. 64	A 1.1 64	A 1. 64	A 0.9 64	A 0.7 62	A 0.3 64
26	A 0.4 66	A 0.5 66	A 0.5 66	A 0.5 66	A 0.5 66	A 0.6 66	A 1.3 66	A 1.4 66	A 1.3 66	A 0.6 66	C 0.6 96	A 0.5 66
27	A 0.4 86	A 0.5 86	A 0.5 86	A 0.4 86	A 0.4 86	A 0.4 86	A 0.6 86	A 0.6 86	A 0.5 86	A 0.5 86	C 0.5 116	A 0.9 86
28	A 0.1 62	A 0.1 62	A 0.1 62	A 0.2 62	A 0.2 62	A 0.2 62	A 0.4 62	A 0.4 62	A 0.4 62	A 0.3 62	A 0. 62	A 0. 62
29	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.2 40	A 0.2 40	A 0.2 40	A 0.1 40	A 0.1 40	A 0.1 40
30	A 0.2 54	A 0.2 54	A 0.2 54	A 0.4 54	A 0.4 54	A 0.4 54	A 0. 74	A 0.1 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74

Table 126 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
32	A 0.1 43	A 0.2 43	A 0.2 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.2 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43
33	A 0.2 67	A 0.2 67	A 0.2 67	A 0.2 67	A 0.1 67	A 0.2 67	A 0.2 67	A 0.3 67	A 0.2 67	A 0.2 67	A 0.2 67	A 0.1 67
34	A 0.4 64	A 0.6 64	A 0.6 64	A 0.3 64	A 0.5 64	A 0.6 64	A 1. 64	A 1. 64	A 0.9 64	A 0.1 64	A 0.1 62	A 0.1 67
35	A 0.2 70	A 0.2 70	A 0.2 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.2 70	A 0.2 70	A 0.1 70	A 0.1 70	C 0.1 77	C 0.2 77
36	A 0.5 62	A 0.8 62	A 0.8 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 67
37	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	C 0. 36	C 0. 36
38	A 0.4 63	A 0.3 63	A 0.3 63	C 8.5 890	C 8.3 890	C 25.7 7926	C 26.4 7926	C 13.7 2040	C 13.5 2040	C 10.2 889	A 0.3 84	A 0.3 84
39	C 7. 567	C 3.3 567	C 3.1 567	C 0.3 149	C 0.3 149	C 0.3 149	C 0.4 173	C 0.4 173	C 0.4 173	C 0.3 173	C 0.3 173	C 0.2 173
40	A 0.1 43	A 0.2 43	A 0.2 43	A 0.2 43	A 0.2 43	A 0.2 43	A 0.4 43	A 0.4 43	A 0.3 43	A 0.3 43	A 0.3 43	A 0.2 43
41	A 0.3 58	A 0.3 58	A 0.3 58	A 0.5 58	A 0.4 58	A 0.4 58	A 0.6 58	A 0.6 58	A 0.6 58	A 0.5 58	A 0.5 58	A 0.3 58
42	A 0.1 43	A 0.1 43	A 0.1 43	A 0.2 43	A 0.2 43	A 0.2 43	A 0.3 43	A 0.3 43	A 0.3 43	A 0.2 43	A 0.2 43	A 0.1 43
43	A 0.3 64	A 0.3 64	A 0.3 64	A 0.5 64	A 0.5 64	A 0.5 64	A 0.8 64	A 0.8 64	A 0.7 64	A 0.6 64	A 0.6 64	A 0.5 64
44	A 0.7 78	A 0.7 78	A 0.7 78	A 1.1 78	A 1. 78	A 1.2 78	A 1.8 78	A 1.9 78	A 1.7 78	A 1.4 78	A 1.8 77	A 1.1 77
45	A 0.5 108	A 0.5 108	A 0.5 108	A 0.8 108	A 0.8 108	A 0.8 108	A 1.2 108	A 1.3 108	A 1.3 110	A 1.1 110	A 1.1 110	A 0.8 110
46	A 1.2 153	A 1.3 153	A 1.3 153	A 1.8 153	A 1.7 153	A 2. 153	A 3.1 153	A 3.2 153	A 3. 153	A 2.4 153	A 2.4 153	A 2.1 153
47	A 1. 176	A 1.1 176	A 1.1 176	A 1.8 176	A 1.7 176	A 2.1 176	A 3.5 176	A 3.7 176	A 3.3 176	A 2.2 176	A 2.1 176	A 2.3 176
48	C 0.1 58	C 0.1 58	C 0.1 58	C 0.2 58	C 0.2 58	C 0.2 58	C 0.2 58	C 0.2 58	C 0.2 58	A 0.2 27	A 0.2 27	A 0.1 27
49	A 0.1 43	A 0.1 43	A 0.1 43	A 0.2 43	A 0.2 43	A 0.2 43	A 0.3 43	A 0.3 43	A 0.3 43	A 0.3 43	A 0.2 43	A 0.1 43
50	A 1. 176	A 1.1 176	A 1.1 176	A 1.7 176	A 1.5 176	A 2.4 176	A 3.6 176	A 3.8 176	A 3.6 176	A 2. 176	A 1.9 176	A 2.1 176

## 2.125 4\_Trig\_functions\4.4Miscellaneous\4.4.2trig<sup>m</sup>(atrig+btrig)<sup>n</sup>

Table 127: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34
2	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
3	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
4	C 0.2 94	C 0.2 94	C 0.2 94	C 0.2 94	C 0.2 94	C 0.2 94	C 0.2 94	C 0.2 94	C 0.2 94	A 0.1 69	A 0.1 69	A 0.1 69
5	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0.1 38	A 0.1 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38
6	A 0.2 67	A 0.2 67	A 0.2 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.2 67	A 0.2 67	A 0.2 67	A 0.2 67	A 0.2 67	A 0.2 67
7	A 0.2 62	A 0.2 62	A 0.2 62	A 0.2 62	A 0.2 62	A 0.2 62	A 0.2 62	A 0.2 62	A 0.2 79	A 0.1 79	A 0.1 79	A 0.1 79
8	B 1.4 270	B 1.5 270	B 1.5 270	B 2. 270	B 1.8 270	B 2. 270	B 3.1 270	B 3.3 270	B 3.1 270	B 2.7 270	A 1.2 149	A 1.2 149
9	A 0.4 96	A 0.4 96	A 0.4 96	A 0.2 96	A 0.2 96	A 0.2 96	A 0.3 96	A 0.3 96	A 0.3 96	A 0.3 96	A 0.2 56	A 0.2 56
10	A 1.1 208	A 1.2 208	A 1.2 208	A 0.9 208	A 0.8 208	A 0.9 208	A 1.4 208	A 1.5 208	A 1.3 208	A 1.1 208	A 0.6 103	A 0.6 103
11	C 7.6 367	C 3. 367	C 3.1 367	C 3.9 367	C 3.5 367	C 15.3 2971	C 16.3 2971	C 6.2 519	C 5.5 519	C 4.4 519	C 3.7 546	C 3.7 546
12	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.2 62	A 0.2 62	A 0.2 62	A 0.2 62	A 0.1 62	A 0.1 62
13	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0.1 17	A 0.1 17	A 0. 17	A 0.1 17	A 0. 17	A 0. 17
14	A 0.2 52	A 0.3 52	A 0.3 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52
15	A 0.1 168	A 0.1 168	A 0. 168	A 0.7 104	A 0.6 104	A 0.6 104	B 6.1 1175	B 6.1 1175	B 6.1 1175	B 6.1 1175	B 6.1 581	B 6.1 581
16	A 0.8 121	A 0.8 121	A 0.8 121	A 0.3 150	A 0.3 150	A 0.3 150	A 0.3 150	A 0.4 150	A 0.3 150	A 0.3 150	A 0.3 150	A 0.3 150
17	A 0.4 81	A 0.5 81	A 0.5 81	A 0.4 81	A 0.3 81	A 0.5 81	A 0.6 81	A 0.7 81	A 0.6 81	A 0.4 81	A 0.4 81	A 0.4 81
18	A 1. 131	A 1.2 131	A 1.1 131	A 1.2 131	A 1.1 131	A 1.1 131	A 1.6 131	A 1.7 131	A 1.6 131	A 1.5 131	A 0.8 118	A 0.8 118
19	A 0.2 54	A 0.2 54	A 0.3 54	A 0.4 54	A 0.4 54	A 0.4 54	A 0.6 101	A 0.7 101	A 0.6 101	A 0.6 101	A 0.4 101	A 0.4 101
20	A 0.9 128	A 0.9 128	A 0.9 128	A 0.4 146	A 0.4 146	A 0.4 146	A 0.4 146	A 0.5 146	A 0.4 146	A 0.4 146	A 0.4 146	A 0.4 146
21	A 1.2 181	A 1.6 181	A 1.6 181	A 1.1 181	A 1. 181	A 1.1 181	A 1.6 181	A 1.7 181	A 1.5 181	A 1.2 181	A 0.3 155	A 0.3 155
22	B 4.2 263	B 4.6 263	B 4.5 263	B 6.3 477	B 6.3 477	B 6.3 477	A 4.5 102	A 4.6 102	A 4.4 104	A 3.3 104	A 0.7 104	A 0.7 104
23	B 6.9 1342	B 7.3 1342	B 7.3 1342	B 6.4 1342	B 6.4 1342	B 6.4 1342	B 6.2 1342	B 6.2 1342	B 6.2 1342	B 6.1 1342	B 6.1 737	B 6.1 737
24	B 6.8 1732	B 7.2 1732	B 7.2 1732	B 6.5 1732	B 6.5 1732	B 6.5 1732	B 6.2 1732	B 6.3 1732	B 6.2 1732	B 6.2 1732	B 6.1 971	B 6.1 971
25	B 5.3 410	B 5.8 410	B 5.8 410	B 6.5 711	B 6.4 711	B 6.5 711	B 6.3 408	B 6.3 408	B 6.3 408	B 6.3 408	A 0.5 152	A 0.5 152
26	A 2.5 331	A 3.6 331	A 3.6 331	A 2.7 331	A 2.5 331	A 3. 331	A 4.7 331	A 4.5 331	A 4.1 331	A 2.8 331	C 4.1 395	A 4.1 395
27	A 0.7 115	A 0.8 115	A 0.8 115	A 1.3 115	A 1.2 115	A 1.3 115	A 1.2 300	A 1.5 300	A 1.2 300	A 1. 300	C 4.8 337	A 4.8 337
28	A 0.4 79	A 0.5 79	A 0.5 79	A 0.2 79	A 0.2 79	A 0.2 79	A 0.3 79	A 0.3 79	A 0.2 84	A 0.2 84	A 0.2 84	A 0.2 84
29	A 0.8 99	A 0.8 99	A 0.8 99	A 1.3 99	A 1.2 99	A 1.3 99	A 4.6 119	A 4.8 119	A 4.4 119	A 1.8 119	A 1.4 119	A 1.4 119
30	A 0.8 130	A 0.9 130	A 0.9 130	A 0.8 130	A 0.8 130	A 0.9 130	A 1.4 130	A 1.5 130	A 0.8 154	A 0.6 154	A 0.6 154	A 0.6 154

Table 127 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			7		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	C	0.2	132	C	0.2	132	C	0.2	132	C	0.3	132	C	0.3	132	C	0.3	132	C	0.5	132	C	0.5	132	C	0.4	132	C	0.4	132	C	0.4	132	A	0.0	132
32	A	2.2	140	A	2.7	140	A	2.5	140	A	3.8	140	A	3.5	140	A	6.1	143	A	3.7	191	A	3.9	191	A	3.6	191	A	3.4	191	A	3.0	146	A	2.0	140
33	A	1.1	165	A	1.3	165	A	1.5	165	A	1.2	165	A	1.0	165	A	1.2	165	A	1.8	165	A	1.9	165	A	1.7	165	A	1.3	165	A	1.3	165	A	1.0	165
34	B	0.8	124	B	1.0	124	B	1.2	124	B	0.7	124	B	0.7	124	B	1.0	124	B	1.5	124	B	1.5	124	B	0.9	124	B	0.7	124	B	0.6	124	B	0.0	124
35	A	0.5	60	A	0.6	60	A	0.6	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.0	60
36	A	0.3	54	A	0.3	54	A	0.5	54	A	0.3	54	A	0.3	54	A	0.3	54	A	0.3	54	A	0.3	54	A	0.3	54	A	0.3	54	A	0.3	54	B	0.3	156
37	A	0.5	82	A	0.6	82	A	0.6	82	A	0.2	82	A	0.1	82	A	0.2	82	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1	82	A	0.0	82
38	A	0.1	50	A	0.1	50	A	0.1	50	B	0.5	90	B	0.5	90	B	0.6	90	B	0.7	90	B	0.7	90	B	0.6	90	B	0.6	90	B	0.0	75	B	0.0	90
39	A	5.8	90	A	2.8	90	A	2.8	90	A	2.4	90	A	2.1	90	A	2.2	90	A	3.3	118	A	3.4	118	B	3.0	169	B	2.7	169	B	2.2	169	A	1.0	90
40	B	0.1	63	B	0.1	63	B	0.1	63	A	0.0	4	A	0.0	4	A	0.0	4	A	0.0	4	A	0.0	4	A	0.0	4	A	0.0	4	A	0.0	4	A	0.0	4
41	B	0.0	25	B	0.0	25	B	0.0	25	B	0.0	25	B	0.0	25	B	0.0	25	B	0.0	25	B	0.0	25	B	0.0	25	B	0.0	25	B	0.0	25	B	0.0	25
42	A	0.0	22	A	0.0	22	A	0.0	22	A	0.0	22	A	0.0	22	A	0.0	22	A	0.0	22	A	0.0	22	A	0.0	22	A	0.0	22	A	0.0	22	A	0.0	22
43	A	0.0	8	A	0.0	8	A	0.0	8	A	0.0	8	A	0.0	8	A	0.0	8	A	0.0	8	A	0.0	8	A	0.0	8	A	0.0	8	A	0.0	8	A	0.0	8
44	A	0.1	20	A	0.1	20	A	0.1	20	A	0.1	20	A	0.1	20	A	0.1	20	A	0.2	20	A	0.2	20	A	0.2	20	A	0.2	20	A	0.2	20	A	0.1	20
45	A	0.0	15	A	0.0	15	A	0.0	15	A	0.0	15	A	0.0	15	A	0.0	15	A	0.0	15	A	0.0	15	A	0.0	15	A	0.0	15	A	0.0	15	A	0.0	15
46	A	0.0	37	A	0.0	37	A	0.0	37	A	0.0	37	A	0.0	37	A	0.0	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.0	37	A	0.0	37
47	A	0.0	33	A	0.0	33	A	0.0	33	A	0.0	33	A	0.0	33	A	0.0	33	A	0.0	33	A	0.0	33	A	0.0	33	A	0.0	33	A	0.0	33	A	0.0	33
48	A	0.3	77	A	0.2	77	A	0.2	77	A	0.4	77	A	0.4	77	A	0.4	77	A	0.6	77	A	0.6	77	A	0.6	77	A	0.5	77	A	0.5	77	A	0.0	77
49	A	0.9	100	A	1.0	100	A	1.0	100	A	0.6	100	A	0.6	100	A	0.6	100	A	1.1	100	A	1.1	100	A	1.0	100	A	0.7	100	A	0.8	184	A	0.0	100
50	A	0.2	70	A	0.2	70	A	0.2	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.1	70	A	0.0	70
51	A	1.2	131	A	1.2	131	A	1.3	131	A	1.5	131	A	1.3	131	A	1.4	131	A	2.2	131	A	2.3	131	A	1.8	156	A	1.7	156	A	1.5	156	A	1.0	131
52	C	6.5	703	C	6.6	703	C	6.6	703	C	6.3	703	C	6.3	703	C	6.3	703	C	6.4	703	C	6.4	703	C	4.5	394	C	2.0	269	C	1.7	269	C	1.0	703
53	A	6.4	217	A	6.4	217	A	6.4	217	A	6.3	217	A	6.3	217	A	6.3	217	A	6.3	217	A	6.3	217	A	6.3	217	A	6.3	217	A	6.2	217	A	6.0	217
54	A	0.5	115	A	0.5	115	A	0.5	115	A	0.7	115	A	0.7	115	A	0.8	115	A	1.2	115	A	1.3	115	A	0.8	119	A	0.7	119	A	0.6	119	A	0.0	115
55	C	0.2	144	C	0.2	144	C	0.2	144	C	0.3	144	C	0.2	144	C	0.3	144	C	0.4	144	C	0.4	144	C	0.4	144	A	0.3	59	A	0.2	59	A	0.0	144
56	C	1.0	226	C	1.1	226	C	1.1	226	C	1.5	226	C	1.3	226	C	2.3	226	C	3.4	226	C	3.6	226	C	4.3	226	A	1.8	169	A	1.8	169	A	1.0	226
57	A	1.1	145	A	1.2	145	A	1.2	145	A	1.8	145	A	1.5	145	A	1.6	145	A	2.5	145	A	2.7	145	A	2.4	145	A	2.1	145	A	2.0	145	A	1.0	145
58	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.2	76	A	0.2	76	B	0.1	95	B	0.1	95	B	0.1	95	B	0.0	76
59	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	79	A	0.1	79	A	0.1	79	A	0.0	60

## 2.126 4\_Trig\_functions\4.4Miscellaneous\4.4.3(c+dx)^mtrig^ntrig^p

Table 128: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
1	A 0.3 86	A 0.3 86	A 0.3 86	A 0.5 86	A 0.5 86	A 0.5 86	A 0.6 86	A 0.6 86	A 0.5 85	A 0.4 86	A 0.5 85	A
2	A 0.2 71	A 0.2 71	A 0.2 71	A 0.3 71	A 0.3 71	A 0.3 71	A 0.3 71	A 0.3 71	A 0.3 71	A 0.3 71	A 0.3 71	A
3	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A
4	A 0.7 102	A 0.7 102	A 0.7 102	A 1.2 102	A 1.1 102	A 1.3 102	A 1.8 102	A 1.8 102	A 1.2 111	A 1. 111	A 1. 111	A
5	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A
6	A 0.1 75	A 0.1 75	A 0.1 75	A 0.2 75	A 0.2 75	A 0.2 75	A 0.2 75	A 0.2 75	A 0.2 75	A 0.2 75	A 0.2 75	A
7	A 0.2 110	A 0.2 110	A 0.2 110	A 0.4 110	A 0.4 110	A 0.4 110	A 0.5 110	A 0.5 110	A 0.4 110	A 0.3 110	A 0.3 110	A
8	A 1.2 199	A 1.3 199	A 1.3 199	A 2.1 199	A 2. 199	A 3.7 199	A 5.1 199	A 5.4 199	A 3. 217	A 1.7 217	A 1.7 217	A
9	B 3.9 799	B 3.8 799	B 4.2 799	B 6.4 799	B 6.3 799	B 8.3 799	B 7.8 690	B 5.9 527	B 4.9 540	B 3.2 540	B 3.4 540	B
10	B 3.2 180	B 3.5 180	B 3.5 192	B 5.6 188	B 5.2 188	B 6. 188	B 6.1 180	B 6.1 180	B 4.7 180	B 3.5 180	B 3.3 180	B
11	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
12	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
13	C 0.6 94	C 0.7 94	C 0.7 94	C 1. 94	C 1. 94	C 1. 94	C 1.3 94	C 1.3 94	C 1.2 94	A 1.2 70	A 0.8 70	A
14	C 0.3 145	C 0.3 145	C 0.3 145	A 0.3 134	A 0.3 134	A 0.3 134	A 0.5 134	A 0.5 134	A 0.4 134	A 0.4 134	A 0.4 134	A
15	C 0.5 251	C 0.5 251	C 0.5 251	C 6. 264	C 5.8 264	C 6.7 280	A 1.8 265	A 1.9 265	A 1.7 265	A 1.6 265	A 1.4 265	A
16	C 2.3 730	C 2.4 730	C 2.5 730	C 9.5 677	C 9.3 677	C 9.9 677	A 6.4 390	A 6.7 390	A 4.6 390	A 4.2 390	A 3.7 390	A
17	C 10.6 1332	C 11.2 1332	C 11.3 1332	A 15.4 550	A 14.9 550	A 18.9 550	A 25.2 550	A 25.9 550	A 22.7 550	A 17.7 550	A 15.1 550	A
18	A 1.1 300	A 1.2 300	A 1.2 300	A 2.1 300	A 2. 300	A 2.2 300	A 2.6 300	A 2.8 300	A 2.1 305	A 1.6 305	A 1.4 305	A
19	A 0.7 132	A 0.7 132	A 0.8 132	A 1.4 132	A 1.4 132	A 1.4 132	A 1.7 132	A 1.8 132	A 1.5 132	A 0.8 132	A 1.3 132	A
20	A 0.4 106	A 0.4 106	A 0.4 106	A 0.7 106	A 0.7 106	A 0.7 106	A 0.8 106	A 0.8 106	A 0.8 109	A 0.7 109	A 0.7 109	A
21	A 0.6 105	A 0.6 105	A 0.6 105	A 1. 105	A 0.9 105	A 1.1 105	A 1.5 105	A 1.6 105	A 0.9 119	A 0.7 119	A 0.7 119	A
22	B 0.8 837	B 0.8 837	B 0.8 837	B 1.5 837	B 1.4 837	B 1.5 837	B 2.6 812	B 2.2 812	B 2. 812	B 1.4 812	B 1.3 812	B
23	C 0.4 82	C 0.4 82	C 0.4 82	C 0.5 82	C 0.5 82	C 0.5 82	A 0.7 68	A 0.8 68	A 0.7 68	A 0.7 68	A 0.4 68	A
24	A 2.4 528	A 3.4 528	A 3.1 528	A 5.3 528	A 5. 528	A 5.5 528	A 6.4 528	A 4.9 528	A 6. 528	A 3.9 528	A 3.3 536	A
25	B 6.6 471	B 7. 471	B 7. 471	B 7.7 471	B 7.6 471	B 7.7 471	B 7. 471	B 7.1 471	B 7. 471	B 6.9 471	B 5.9 403	B
26	C 0.5 251	C 0.5 251	C 0.5 251	C 6.8 278	C 6.7 278	C 6.8 278	A 2.9 266	A 2.9 266	A 2.8 266	A 2.6 266	A 2.2 266	A
27	C 14.8 2177	C 16. 2177	C 16.1 2177	C 27.1 3348	C 26.5 3348	C 30.1 3348	B 38. 4921	B 38.9 6245	B 35.7 4920	B 30.7 3360	A 28. 817	A
28	A 0.4 89	A 0.4 89	A 0.4 89	A 0.7 89	A 0.6 89	A 0.7 89	A 0.9 89	A 0.9 89	A 0.9 89	A 0.7 89	A 0.6 89	A
29	A 1. 151	A 1.1 151	A 1.2 151	A 1.9 151	A 1.8 151	A 2. 151	A 2.9 151	A 3.3 151	A 1.4 168	A 0.9 168	A 0.9 168	A
30	A 2.2 563	A 2.5 563	A 2.5 563	A 3.8 563	A 3.6 563	A 7.2 657	A 7.4 657	A 7.4 657	A 7.3 657	A 4.8 563	A 4.7 563	A



Table 128 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	A	2.	283	A	2.1	283	A	2.2	283	A	3.7	283	A	3.4	283	A	4.	283	A	4.9	283	A	5.2	283	A	4.7	316	A	3.6	316	A	3.4	316
32	A	1.6	451	A	1.6	451	A	1.8	451	A	3.6	451	A	3.5	451	A	4.1	451	A	4.5	451	A	4.8	451	A	4.1	466	A	2.8	466	A	2.5	466
33	A	0.8	153	A	0.9	153	A	0.9	153	A	1.7	153	A	1.5	153	A	1.6	153	A	1.9	153	A	2.1	153	A	1.9	153	A	1.7	153	C	5.1	195
34	A	1.4	132	A	1.6	132	A	1.6	132	A	2.7	132	A	2.5	132	A	2.7	132	A	3.4	132	C	4.7	174	C	4.6	174	A	1.2	132	A	2.7	132
35	A	0.2	110	A	0.2	110	A	0.2	110	A	0.3	110	A	0.3	110	A	0.4	110	A	0.4	110	A	0.4	110	A	0.4	110	A	0.3	110	A	0.3	110
36	B	6.3	2918	B	6.3	2918	B	6.3	2918	B	6.6	2828	B	6.5	2828	B	6.6	2828	B	6.3	2486	B	6.4	2486	B	6.3	2486	B	6.3	1261	B	6.2	2940
37	B	1.	539	B	1.1	539	B	1.2	539	B	2.	539	B	1.8	539	B	2.	539	B	2.6	506	B	2.2	506	B	2.	506	A	2.1	294	B	1.5	506
38	C	1.3	693	C	1.4	693	C	1.5	693	A	4.3	393	A	2.5	393	A	4.8	393	A	7.2	393	A	8.2	393	A	7.5	393	A	5.9	393	A	1.3	393
39	C	0.1	252	C	0.2	252	C	0.1	252	A	0.7	264	A	0.6	264	A	1.	264	A	1.4	264	A	1.5	264	A	1.4	264	A	0.6	264	A	0.5	264
40	C	2.	257	C	2.1	257	C	2.2	257	A	5.5	550	A	5.2	550	A	5.5	550	B	8.1	6763	B	8.2	6763	B	8.2	6763	B	8.2	6763	A	7.3	550
41	C	0.	257	C	0.	257	C	0.	257	A	0.2	550	A	0.2	550	A	0.4	550	A	0.6	550	B	6.1	6763	A	0.6	550	A	5.4	550	A	0.1	550
42	A	0.1	62	A	0.1	62	A	0.1	62	A	0.1	62	A	0.1	62	A	0.1	62	A	0.2	62	A	0.1	62	A	0.1	62	A	0.1	62	A	0.1	62
43	A	0.	100	A	0.	100	A	0.	100	A	0.1	100	A	0.	100	A	0.	100	A	0.	100	B	6.7	297	B	4.7	297	B	4.9	298	B	3.9	298
44	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
45	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
46	A	0.5	315	A	0.6	315	A	0.6	315	A	1.	315	A	0.9	315	A	1.	315	A	1.1	315	A	0.9	315	A	0.9	315	A	0.7	315	A	0.6	315
47	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
48	B	6.7	1731	B	6.8	1731	B	6.8	1731	B	7.2	1720	B	7.1	1720	B	7.3	1720	B	6.9	1734	B	7.	1734	B	7.1	1734	B	6.7	899	B	6.6	2024
49	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
50	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
51	B	0.6	578	B	0.7	578	B	0.7	578	B	1.4	578	B	1.3	578	B	1.8	578	B	1.2	578	B	1.1	578	B	1.1	578	B	0.8	578	B	0.6	578
52	A	5.	642	A	5.6	642	A	5.8	642	B	7.	739	B	6.9	739	B	7.	739	B	6.6	760	B	5.	760	B	4.3	760	B	3.4	760	B	3.	760
53	B	4.8	467	B	5.3	467	B	5.4	467	B	6.3	593	B	6.3	593	B	6.4	593	B	6.2	593	B	6.2	593	B	6.4	593	B	6.2	593	B	6.1	593
54	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
55	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
56	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
57	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
58	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
59	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
60	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
61	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
62	B	6.4	613	B	6.6	613	B	6.6	613	B	6.8	613	B	6.8	613	B	6.8	613	B	6.7	557	B	6.8	557	B	6.7	557	B	6.6	557	B	6.	485
63	B	5.8	324	B	6.2	324	B	6.4	418	B	6.6	418	B	6.6	418	B	6.6	418	B	6.6	425	B	6.6	425	B	6.8	425	B	6.5	425	B	6.5	425
64	A	5.	207	A	6.1	207	A	6.	207	B	6.4	286	B	6.4	286	B	6.4	286	B	6.4	286	B	6.4	286	B	6.4	286	B	6.3	286	B	6.3	286

Table 128 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
65	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
66	B	6.6	555	B	6.6	555	B	6.6	555	B	6.6	555	B	6.5	555	B	6.5	555	B	7.2	607	B	7.2	607	B	7.2	607	B	6.2	480	B	6.2	480
67	B	6.5	814	B	6.6	814	B	6.6	814	B	7.	803	B	6.9	803	B	7.	803	B	7.	817	B	7.	817	B	6.9	817	B	6.8	817	B	6.9	817
68	A	0.5	216	A	0.6	216	A	0.6	224	A	0.6	212	A	0.6	212	A	0.6	212	A	0.7	216	A	0.7	216	A	0.6	216	B	6.2	414	B	6.2	414
69	A	6.9	819	A	7.2	819	A	7.2	819	A	8.1	819	A	7.8	819	A	8.	819	A	8.	881	A	8.1	881	A	7.5	881	A	7.2	881	B	6.9	1245
70	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
71	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
72	A	0.3	53	A	0.4	53	A	0.4	53	A	0.3	53	A	0.3	53	A	0.3	53	A	0.3	53	A	0.3	53	A	0.3	53	A	0.3	53	A	0.3	53
73	A	0.3	61	A	0.3	61	A	0.3	61	A	0.3	61	A	0.3	61	A	0.3	61	A	0.3	61	A	0.3	61	A	0.3	61	A	0.1	53	A	0.6	61
74	A	0.3	65	A	0.4	65	A	0.4	65	A	0.3	65	A	0.3	65	A	0.3	65	A	0.3	65	A	0.3	65	A	0.3	65	A	0.4	49	A	0.3	65
75	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60	A	0.1	60
76	A	0.	49	A	0.	49	A	0.	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.	49	A	0.	49
77	A	0.1	46	A	0.1	46	A	0.1	46	A	0.2	46	A	0.1	46	A	0.2	46	A	0.2	46	A	0.2	46	A	0.2	46	A	0.2	46	A	0.2	46
78	A	0.6	105	A	0.6	105	A	0.6	105	A	0.5	105	A	0.5	105	A	0.5	105	A	0.5	105	A	0.5	105	A	0.4	105	A	0.5	105	A	0.4	105
79	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14
80	B	0.2	146	B	0.2	146	B	0.2	146	B	0.3	146	B	0.3	146	B	0.3	146	B	0.4	146	B	0.4	146	B	0.3	146	B	0.3	146	B	0.3	146

## 2.127 4\_Trig\_functions\4.4Miscellaneous\4.4.4x<sup>m</sup>(a+btrig<sup>n</sup>)<sup>p</sup>

Table 129: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	B 0.4 545	B 0.4 545	B 0.4 545	B 0.6 545	B 0.6 545	B 1.1 545	B 1.6 545	B 1.6 545	B 1.5 545	B 0.7 545	B 0.7 549	B 0.6 549
2	A 2.8 288	A 3.1 288	A 3.2 288	A 2.9 315	A 2.7 315	A 3.1 315	A 5.2 288	A 5.6 288	A 4.7 288	A 6.4 288	A 0.5 288	A 0.4 288
3	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
4	A 3.4 218	A 3.8 218	A 3.9 218	A 2.1 239	A 1.9 239	A 2.2 239	A 2.2 218	A 2.2 218	A 2. 218	A 4.1 218	A 0.3 218	A 0.3 218
5	B 14.1 825	B 14.3 825	B 14.8 825	B 14.5 825	B 13.8 825	B 15.5 825	A 14.7 356	A 13.1 356	A 9.7 392	A 9.6 582	A 7.1 567	A 5.3 507

## 2.128 4\_Trig\_functions\4.4Miscellaneous\4.4.5x^mtrig(a+blog(cx^n))^p

Table 130: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44
2	A 0. 44	A 0. 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44
3	A 0. 40	A 0. 40	A 0. 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40
4	A 0.1 61	A 0.1 61	A 0.1 61	A 0.2 61	A 0.1 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.1 61	A 0.1 61	A 0.1 61
5	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36
6	A 0.3 121	A 0.3 121	A 0.3 121	A 0.6 121	A 0.5 121	A 0.5 121	A 0.8 121	A 0.9 121	A 0.8 121	A 0.6 121	A 0.6 121	A 0.5 121
7	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0. 51
8	A 0.3 169	A 0.4 169	A 0.4 169	A 0.6 169	A 0.5 169	A 0.6 169	A 1. 169	A 1. 169	A 0.9 169	A 0.7 169	A 0.7 169	A 0.5 169
9	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
10	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
11	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.2 60	A 0.2 60	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59
12	A 9.3 145	A 10.2 145	A 9.8 145	A 1.5 94	A 1.4 94	A 1.4 94	A 19.5 145	A 17.6 145	A 16.3 145	A 41.2 145	A 12.2 145	A 8.9 145
13	A 8.4 148	A 9.1 148	A 9.2 148	A 1.5 96	A 1.4 96	A 1.4 96	A 17.9 148	A 21.7 148	A 19.2 148	A 65.7 148	A 11.3 148	A 8.3 148
14	A 1. 216	A 1.2 216	A 0.9 216	A 1.3 168	A 1.3 168	A 1.3 168	A 1.7 216	A 1.4 216	A 1.3 216	A 4.4 218	A 1.9 207	A 1.4 207
15	B 9.1 702	B 9.5 702	B 9.2 702	B 8.5 702	B 8.4 702	B 8.4 702	B 10.5 689	B 10.3 689	B 9.9 689	B 23.8 689	B 10.8 689	B 9.6 677
16	A 0.4 132	A 0.5 132	A 0.3 132	A 0.4 96	A 0.4 96	A 0.4 96	A 0.5 132	A 0.5 132	A 0.4 132	A 3.9 132	A 0.8 142	A 0.6 142
17	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0. 32	A 0. 32	A 0.3 32	A 0.2 32
18	A 0.1 86	A 0.1 86	A 0.1 86	A 0.2 86	A 0.2 86	A 0.2 86	A 0.2 86	A 0.2 86	A 0.2 86	A 0.2 86	A 0.2 86	A 0.1 86
19	A 0.1 53	A 0.1 53	A 0.1 53	A 0.2 53	A 0.1 53	A 0.1 53	A 0.2 53	A 0.2 53	A 0.2 53	A 0.2 53	A 0.1 53	A 0.1 53
20	A 0. 43	A 0. 43	A 0. 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43
21	A 0.1 61	A 0.1 61	A 0.1 61	A 0.2 61	A 0.1 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61
22	A 0.3 123	A 0.4 123	A 0.3 123	A 0.6 123	A 0.5 123	A 0.6 123	A 0.9 123	A 0.9 123	A 0.8 123	A 0.7 123	A 0.6 123	A 0.5 123
23	A 2.5 312	A 2.8 312	A 2.7 312	A 4.3 312	A 4.1 312	A 4.4 312	C 6.1 435	C 6.1 435	C 6.1 435	A 5.7 312	A 5.6 312	A 4.6 312
24	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
25	B 8.1 696	B 8.4 696	B 8.4 696	B 8.2 696	B 8.1 696	B 8.1 696	B 10. 681	B 9.9 681	B 9.5 681	B 36.1 681	B 10.6 681	B 9.4 666
26	A 1.7 205	A 1.8 205	A 1.8 205	A 2.4 205	A 2.3 205	A 2.4 205	A 4.9 263	A 4.1 263	A 3.2 310	A 4.2 217	A 2.9 202	A 2.1 202
27	A 1.6 188	A 1.8 188	A 1.7 188	A 1.2 147	A 1.1 147	A 1.2 147	A 3.9 188	A 3. 188	A 2.3 246	A 5.3 250	A 2.5 248	A 1.9 248
28	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.2 82	A 0.2 82	A 0.2 61	A 0.2 61	A 0.2 61	A 0.1 61
29	A 0.1 62	A 0.1 62	A 0.1 62	A 0.2 62	A 0.1 62	A 0.2 62	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66
30	A 0.2 105	A 0.2 105	A 0.2 105	C 0.2 46	C 0.2 46	C 0.2 46	A 0.8 175	A 0.8 175	A 0.7 175	A 0.7 175	A 0.6 175	A 0.5 175

Table 130 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			7		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size			
31	A	0.6	82	A	0.7	82	A	0.7	82	A	0.2	82	A	0.1	82	A	0.1	82	A	1.7	82	A	1.3	82	A	1.2	82	A	1.1	82	A	0.3	84	A	0.2	84
32	A	0.5	84	A	0.6	84	A	0.6	84	A	0.1	84	A	0.1	84	A	0.1	84	A	1.3	84	A	1.1	84	A	1.	84	A	1.	84	A	0.2	86	A	0.2	86
33	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	B	0.	94	B	0.	94	B	0.	94	B	0.	94	B	0.	94	B	0.	94
34	A	13.8	198	A	14.4	198	A	14.7	198	B	17.7	482	B	17.5	482	B	17.9	482	A	12.6	146	A	23.	178	B	17.7	484	A	5.	146	A	2.	116	A	1.7	14
35	A	0.1	18	A	0.1	18	A	0.1	18	A	0.1	18	A	0.1	18	A	0.1	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18
36	A	4.2	120	A	4.4	120	A	4.5	120	A	4.9	120	A	4.7	120	A	4.7	120	A	7.7	120	A	7.3	120	A	6.9	120	A	6.8	120	A	5.5	122	A	4.7	12
37	A	8.	204	A	8.8	204	A	8.9	204	A	13.6	204	A	13.1	204	A	14.1	204	B	21.4	668	B	18.3	668	B	17.2	668	A	7.2	250	A	4.9	250	A	4.6	25
38	A	6.	215	A	6.7	215	A	6.7	215	A	10.2	215	A	9.6	215	A	11.5	215	B	17.1	660	B	16.1	660	B	13.2	680	A	5.5	257	A	3.9	257	A	3.3	25
39	A	1.4	182	A	1.6	182	A	1.6	182	A	2.4	182	A	2.2	182	A	2.3	182	A	9.9	209	A	9.3	209	A	9.	209	A	8.6	209	A	2.7	220	A	1.9	22
40	A	0.1	69	A	0.1	69	A	0.1	69	A	0.2	69	A	0.2	69	A	0.2	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	54	A	0.3	69	A	0.2	69
41	A	0.7	142	A	0.8	142	A	0.8	142	A	1.1	142	A	1.	142	A	1.	142	A	1.3	142	A	1.3	142	A	1.2	142	A	0.9	142	A	0.9	142	A	0.6	14
42	A	1.	78	A	1.1	78	A	1.1	78	A	1.7	78	A	1.5	78	A	1.6	78	A	2.4	78	A	2.	78	A	1.8	78	A	1.7	78	A	0.8	81	A	0.6	8
43	A	0.7	82	A	0.8	82	A	0.8	82	A	1.2	82	A	1.1	82	A	1.2	82	A	1.7	82	A	1.6	82	A	1.5	82	A	1.4	82	A	0.9	85	A	0.6	8
44	A	0.1	19	A	0.1	19	A	0.1	19	A	0.1	19	A	0.1	19	A	0.1	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19
45	A	4.3	117	A	4.5	117	A	4.6	117	A	6.	117	A	5.8	117	A	5.8	117	A	7.8	117	A	7.4	117	A	7.	117	A	6.9	117	A	5.7	120	A	5.	12
46	B	0.1	137	B	0.1	137	B	0.1	137	B	0.2	137	B	0.1	137	B	0.2	137	B	0.3	137	B	0.3	137	B	0.2	137	B	0.2	137	B	0.2	137	B	0.2	13
47	A	0.6	138	A	0.6	138	A	0.6	138	A	1.	138	A	1.	138	A	1.	138	A	6.6	163	A	6.6	163	A	6.4	163	A	5.9	163	A	0.8	163	A	0.6	16
48	A	0.2	115	A	0.3	115	A	0.3	115	A	0.6	115	A	0.6	115	A	0.6	115	A	6.2	144	A	6.2	144	A	5.8	144	A	5.	144	A	0.6	144	A	0.4	14
49	A	3.8	411	A	4.3	411	A	4.3	411	A	6.5	411	A	6.1	411	A	6.3	411	A	11.8	127	A	10.6	127	A	9.2	127	A	8.4	127	A	4.7	127	A	3.6	12
50	B	4.7	441	B	5.2	441	B	5.2	441	B	7.9	441	B	7.4	441	B	8.3	441	B	11.9	441	B	11.7	441	B	10.3	441	B	8.2	441	B	4.9	441	B	3.9	44
51	B	2.5	377	B	2.9	377	B	2.9	377	B	4.3	377	B	3.9	377	B	4.1	377	B	8.3	367	B	7.1	367	B	6.5	367	B	5.6	367	B	3.3	367	B	2.7	36
52	A	0.1	58	A	0.1	58	A	0.1	58	A	0.2	58	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	58	A	0.1	58	A	0.	28	A	1.	58	A	0.8	58
53	A	1.5	218	A	1.5	218	A	1.6	218	A	2.7	218	A	2.5	218	A	2.5	218	A	10.8	228	A	9.8	228	A	8.4	254	A	7.7	254	A	3.6	231	A	2.8	23
54	A	0.1	76	A	0.1	76	A	0.1	76	A	0.2	76	A	0.2	76	A	0.2	76	A	0.1	76	A	0.1	76	A	0.1	76	A	0.1	62	A	0.3	76	A	0.2	76

## 2.129 4\_Trig\_functions\4.4Miscellaneous\4.4.6f^(a+bx+cx^2)trig(d+ex+fx^2)^n

Table 131: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
1	A 0.5 154	A 0.5 154	A 0.5 154	A 0.8 154	A 0.8 154	A 1.1 154	A 1.4 154	A 1.5 154	A 1.5 154	A 0.8 154	A 0.8 154	A 0.6 154	A 0.5 154
2	A 2.3 173	A 2.4 173	A 2.5 173	A 3.6 173	A 3.3 173	A 3.5 173	A 4.4 173	A 4.2 173	A 4. 173	A 3.9 173	A 4.7 219	A 3.5 219	A 2.3 173
3	A 1.3 212	A 1.4 212	A 1.4 212	A 2.3 212	A 2.1 212	A 2.3 212	A 2.9 212	A 2.8 212	A 2.6 212	A 2.3 212	A 2.9 164	A 1.4 143	A 1.3 212
4	B 0.3 166	B 0.3 166	B 0.3 166	B 0.6 166	B 0.5 166	B 0.6 166	B 0.6 166	B 0.6 166	B 0.6 166	B 0.4 166	A 0.7 98	A 0.2 62	B 0.3 166
5	A 0.4 143	A 0.4 143	A 0.5 143	A 0.7 143	A 0.6 143	A 0.6 143	A 0.8 143	A 0.8 143	A 0.5 178	A 0.4 178	A 0.4 178	A 0.3 178	A 0.4 143
6	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
7	A 0.3 26	A 0.4 26	A 0.4 26	A 1.5 26	A 1.4 26	A 1.4 26	A 1. 26	A 1. 26	A 0.9 26	A 0.6 26	A 0.5 26	A 0.4 26	A 0.3 26
8	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0.1 16	A 0.1 16	A 0.1 16	A 0.1 16	A 0.1 16	A 0.1 16	A 0. 16
9	A 0.4 57	A 0.4 57	A 0.3 57	A 0.4 57	A 0.4 57	A 0.4 57	A 0.3 57	A 0.2 57	A 0.2 57	A 0.2 57	A 0.2 57	A 0.2 57	A 0.4 57
10	A 0.7 110	A 0.8 110	A 0.8 110	A 1.2 110	A 1.1 110	A 1.2 110	A 1.6 110	A 1.6 110	A 1.5 110	A 1.3 110	A 1.2 110	A 1. 110	A 0.7 110
11	A 0. 33	A 0. 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33
12	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
13	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47
14	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81
15	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24
16	A 0. 9	A 0. 9	B 0. 21	B 0. 21	B 0. 21	B 0. 21	B 0. 21	B 0. 21	B 0. 21	B 0. 21	B 0. 21	B 0. 21	A 0. 9
17	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0. 30	A 0.1 30
18	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4	A 0. 4
19	A 0. 27	A 0.1 27	A 0. 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0. 27	A 0. 27
20	A 0.1 108	A 0.1 108	A 0.1 108	A 0.2 108	A 0.2 108	A 0.2 108	A 0.2 108	A 0.2 108	A 0.2 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108
21	A 0.7 156	A 0.8 156	A 0.8 156	A 1.2 156	A 1.1 156	A 1.2 156	A 1.7 156	A 1.5 156	A 1.1 188	A 0.8 188	A 0.7 188	A 0.5 191	A 0.7 156
22	A 0.3 224	A 0.3 224	A 0.3 224	A 0.5 224	A 0.5 224	A 0.5 224	A 0.7 224	A 0.6 224	A 0.6 224	A 0.3 224	A 0.3 224	A 0.3 224	A 0.3 224
23	A 2. 299	A 2.1 299	A 2.2 299	A 3.3 299	A 3.1 299	A 3.3 299	A 4.9 299	A 4. 299	A 2.9 358	A 2.3 358	A 1.9 358	A 1.6 358	A 2. 299
24	A 0.1 107	A 0.1 107	A 0.2 107	A 0.2 107	A 0.2 107	A 0.2 107	A 0.3 107	A 0.3 107	A 0.3 107	A 0.2 107	A 0.2 107	A 0.1 107	A 0.1 107
25	A 0.6 267	A 0.6 267	A 0.6 267	A 1. 267	A 0.9 267	A 1.1 267	A 1.6 267	A 1.4 267	A 1.3 267	A 0.7 267	A 0.7 267	A 0.6 267	A 0.6 267
26	A 0.8 245	A 0.8 245	A 0.8 245	A 1.3 245	A 1.2 245	A 1.3 245	A 1.8 245	A 1.4 245	A 1.3 245	A 1. 245	A 0.9 245	A 0.7 244	A 0.8 245
27	A 0.6 217	A 0.6 217	A 0.7 217	A 1. 217	A 0.9 217	A 1. 217	A 1.5 217	A 1.3 217	A 1.2 217	A 0.7 217	A 0.6 217	A 0.5 217	A 0.6 217
28	A 2.8 240	A 3.1 240	A 2.6 240	A 3.6 240	A 3.3 240	A 3.5 240	A 2.4 240	A 2.5 240	A 2.3 240	A 4.9 351	A 4. 351	A 3.3 296	A 2.8 240
29	A 0. 80	A 0. 80	A 0. 80	A 0.1 80	A 0.1 80	A 0.1 80	B 1.4 248	B 1.1 248	B 1.1 248	B 1. 248	B 0.9 248	B 0.7 248	A 0. 80

## 2.130 4\_Trig\_functions\4.4Miscellaneous\4.4.7Trigfunctions

Table 132: Breakdown of results for each integral

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			grade
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	
1	A	0.1	22	A	0.1	22	A	0.1	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A
2	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A
3	A	0.1	22	A	0.1	22	A	0.1	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A
4	A	0.1	22	A	0.1	22	A	0.1	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A
5	C	0.5	46	C	0.6	46	C	0.6	46	C	0.8	46	C	0.7	46	C	0.7	46	C	1.1	46	C	1.2	46	C	1.1	46	C	1.	46	C
6	C	0.7	324	C	0.7	324	C	0.7	324	C	5.8	272	C	5.6	272	C	7.4	918	C	8.1	918	C	8.2	918	C	7.4	328	C	4.4	328	C
7	C	3.3	495	C	3.5	495	C	3.5	495	C	7.4	401	C	7.3	401	C	7.6	401	C	8.6	401	C	8.7	401	C	8.	386	C	5.9	386	C
8	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
9	A	0.	26	A	0.	26	A	0.	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A
10	C	3.2	497	C	3.4	497	C	3.5	497	C	6.1	400	C	6.1	400	C	6.1	400	C	8.5	400	C	8.5	400	C	8.4	400	C	5.7	385	C
11	A	0.	51	A	0.	51	A	0.	51	A	0.1	51	A	0.	51	A	0.	51	A	0.1	57	A	0.1	57	A	0.1	57	A	0.1	57	A
12	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A
13	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A
14	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	C	0.6	179	C	0.6	179	C	0.5	179	C
15	A	0.1	100	A	0.1	100	A	0.1	100	A	0.2	100	A	0.2	100	A	0.2	100	C	0.1	248	C	0.1	248	C	0.1	248	C	0.1	248	C
16	A	0.1	76	A	0.1	76	A	0.2	76	A	0.2	76	A	0.2	76	B	3.5	201	B	1.1	201	B	1.1	201	B	1.	201	B	0.8	201	B
17	B	0.1	35	B	0.	35	B	0.1	35	C	0.3	174	C	0.3	174	C	0.4	174	C	0.5	174	C	0.6	174	C	0.5	174	C	0.4	174	C
18	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A
19	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A
20	B	0.	45	B	0.	45	B	0.	45	C	0.1	183	C	0.1	183	C	0.2	183	C	0.3	183	C	0.2	183	C	0.3	183	C	0.1	183	B
21	C	0.1	73	C	0.1	73	C	0.1	73	C	0.1	73	C	0.1	73	C	0.1	73	C	0.1	73	C	0.1	73	C	0.1	73	C	0.1	73	C
22	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	C	0.3	174	C	0.2	174	C	0.2	174	C	0.1	174	C
23	A	0.1	81	A	0.1	81	A	0.1	81	A	0.1	81	A	0.1	81	A	0.1	81	C	0.6	356	C	0.6	356	C	0.5	363	C	0.4	363	C
24	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A
25	C	0.	66	C	0.	66	C	0.	66	C	0.	66	C	0.	66	C	0.1	66	C	0.1	66	C	0.1	66	C	0.1	66	C	0.	66	C
26	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A	0.	23	A
27	A	0.	26	A	0.	26	A	0.	26	A	0.1	26	A	0.	26	A	0.	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A
28	A	0.2	28	A	0.2	28	A	0.2	28	A	0.3	28	A	0.2	28	A	0.3	28	A	0.3	28	A	0.3	28	A	0.3	28	A	0.3	28	A
29	A	0.1	29	A	0.1	29	A	0.1	29	A	0.1	29	A	0.1	29	A	0.1	29	A	0.2	29	A	0.2	29	A	0.2	29	A	0.2	29	A
30	A	0.1	13	A	0.1	13	A	0.1	13	A	0.1	13	A	0.1	13	A	0.1	13	A	0.1	13	A	0.1	13	A	0.1	13	A	0.1	13	A

Table 132 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			grade	
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size		
31	A	0.1	56	A	0.1	56	A	0.1	56	A	0.2	56	A	0.1	56	A	0.1	56	A	0.2	56	A	0.2	56	A	0.2	56	A	0.2	56	A	
32	A	0.8	294	A	0.9	294	A	0.9	294	A	1.3	294	A	1.1	294	A	1.2	294	A	1.	294	A	1.	294	A	0.9	294	A	0.8	294	F	
33	A	1.5	314	A	1.6	314	A	1.7	314	A	2.4	499	A	2.3	499	A	3.	499	A	4.1	499	A	4.3	499	A	3.8	499	A	2.2	499	F	
34	A	0.3	67	A	0.4	67	A	0.4	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	
35	A	0.4	88	A	0.4	88	A	0.4	88	A	0.4	88	A	0.4	88	A	0.4	88	A	0.6	88	A	0.6	88	A	0.3	109	A	0.3	109	B	
36	A	0.7	104	A	0.7	104	A	0.7	104	A	0.8	104	A	0.7	104	A	0.9	104	A	1.3	104	A	1.4	104	A	0.8	114	A	0.7	114	B	
37	A	0.3	73	A	0.3	73	A	0.3	73	A	0.4	73	A	0.4	73	A	0.4	73	C	1.2	524	C	1.2	524	C	1.	524	C	1.1	524	C	
38	A	0.4	95	A	0.4	95	A	0.4	95	A	0.6	95	A	0.5	95	A	0.6	95	C	2.5	393	C	2.5	393	C	2.4	393	C	2.3	393	C	
39	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	
40	A	0.2	31	A	0.2	31	A	0.2	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.	31	A	
41	A	0.5	47	A	0.5	47	A	0.6	47	A	0.2	47	A	0.2	47	A	0.2	47	A	0.1	47	A	0.2	47	A	0.1	47	A	0.1	47	A	
42	A	0.9	102	A	1.	102	A	1.	102	A	0.6	102	A	0.5	102	A	0.6	102	A	0.7	102	A	0.7	102	A	0.5	115	A	0.5	115	A	
43	A	1.9	192	A	2.1	192	A	2.1	192	A	0.8	192	A	0.8	192	A	0.8	192	A	1.3	192	A	1.4	192	A	1.7	192	A	0.6	192	A	
44	A	0.8	156	A	1.2	156	A	1.2	156	A	0.5	156	A	0.5	156	A	0.6	156	A	0.7	156	A	0.7	156	A	0.7	156	A	0.5	156	A	
45	A	0.6	107	A	0.7	107	A	0.7	107	A	0.4	107	A	0.4	107	A	0.4	107	A	0.5	107	A	0.5	107	A	0.5	107	A	0.3	107	A	
46	A	0.2	81	A	0.2	81	A	0.2	81	A	0.4	81	A	0.3	81	A	0.5	81	A	0.7	81	A	0.7	81	A	0.6	81	A	0.4	81	A	
47	C	0.2	92	C	0.3	92	C	0.2	92	C	0.3	92	C	0.3	92	C	0.3	92	C	0.4	92	C	0.4	92	C	0.4	92	C	0.4	92	C	
48	C	0.4	153	C	0.4	153	C	0.4	153	C	0.5	153	C	0.5	153	C	0.5	153	C	0.9	153	C	0.9	153	C	0.8	153	C	0.7	153	C	
49	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	
50	A	0.4	123	A	0.4	123	A	0.4	123	A	0.7	123	A	0.6	123	A	0.8	123	A	0.3	108	A	0.3	108	A	0.2	108	A	0.2	108	A	
51	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.1	23	A	0.1	23	A	0.1	23	A	0.1	23	A	
52	A	0.2	86	A	0.3	86	A	0.3	86	A	0.4	86	A	0.3	86	A	0.4	86	A	0.6	138	A	0.6	138	A	0.6	138	A	0.4	138	A	
53	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	
54	B	0.	16	B	0.	16	B	0.	16	B	0.	16	B	0.	16	B	0.	16	B	0.	16	B	0.	16	B	0.	16	B	0.	16	B	
55	B	0.	34	B	0.	34	B	0.	34	B	0.	34	B	0.	34	B	0.	34	B	0.	34	B	0.	34	B	0.	34	B	0.	34	B	
56	A	0.2	24	A	0.2	24	A	0.2	24	A	0.2	24	A	0.2	24	A	0.2	24	A	0.2	24	A	0.2	24	A	0.2	24	A	0.2	24	A	
57	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	0.	9	A	
58	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	
59	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	0.	61	A	
60	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	
61	A	0.1	21	A	0.1	21	A	0.1	21	A	0.	21	A	0.	21	A	0.	21	A	0.	21	A	0.1	21	A	0.	21	A	0.	21	A	
62	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	
63	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	
64	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	0.	37	B	



Table 132 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			grade
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	
65	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	B	0.	165	B	0.	165	B	0.	165	B	0.	165	B
66	B	0.	57	B	0.	57	B	0.	57	B	0.	57	B	0.	57	B	0.	57	B	0.	57	B	0.	57	B	0.	57	B	0.	57	B
67	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	A	0.	33	B	0.	237	B	0.	237	B	0.	237	B	0.	237	B
68	A	0.	29	A	0.	29	A	0.	29	A	0.1	29	A	0.1	29	A	0.1	29	A	0.1	29	A	0.1	29	A	0.1	29	A	0.1	29	A
69	A	0.2	43	A	0.2	43	A	0.2	43	A	0.3	43	A	0.3	43	A	0.3	43	C	18.2	37	C	26.7	37	C	25.9	37	C	26.9	37	C
70	A	0.2	56	A	0.2	56	A	0.2	56	A	0.2	56	A	0.2	56	A	0.2	56	C	0.3	49	C	0.3	49	C	0.3	49	C	0.3	49	C
71	A	0.5	73	A	0.5	73	A	0.5	73	A	0.7	73	A	0.7	73	A	0.7	73	C	15.4	53	C	22.1	53	C	21.5	59	C	26.5	59	C
72	B	0.1	60	B	0.1	60	B	0.1	60	B	0.1	60	B	0.1	60	B	0.1	60	B	0.2	60	B	0.1	60	B	0.1	60	B	0.1	60	B
73	A	0.	83	A	0.	83	A	0.	83	A	0.	83	A	0.	83	A	0.	83	A	0.	83	A	0.	83	A	0.	83	A	0.	83	A
74	A	0.1	36	A	0.1	36	A	0.1	36	A	0.1	36	A	0.	36	A	0.	36	A	0.1	36	A	0.1	36	A	0.1	36	A	0.1	36	A
75	A	0.3	92	A	0.5	92	A	0.5	92	A	0.2	92	A	0.2	92	A	0.2	92	A	0.1	92	A	0.1	92	A	0.1	92	A	0.1	92	A
76	A	3.3	397	A	4.	397	A	3.7	397	B	1.8	492	B	1.6	492	B	3.5	492	B	5.4	492	B	5.6	492	B	5.2	492	B	2.2	492	C
77	B	0.1	50	B	0.1	50	B	0.1	50	B	0.	50	B	0.	50	B	0.	50	B	0.	50	B	0.	50	B	0.	50	B	0.	50	B
78	A	0.	53	A	0.1	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A	0.	53	A
79	A	0.4	162	A	0.5	162	A	0.5	162	A	0.6	162	A	0.5	162	A	0.5	162	A	0.8	162	A	0.8	162	A	0.8	162	A	0.7	162	A
80	B	1.4	632	B	1.5	632	B	1.6	632	B	1.9	632	B	1.8	632	B	4.9	632	B	6.5	738	B	6.5	738	B	6.4	738	B	2.1	632	C
81	A	1.4	144	A	1.4	144	A	1.4	144	A	0.5	144	A	0.5	144	A	0.6	144	A	0.6	144	A	0.7	144	A	0.6	144	A	0.4	144	A
82	A	0.1	57	A	0.2	57	A	0.2	57	A	0.1	57	A	0.1	57	A	0.1	57	A	0.2	57	A	0.2	57	A	0.2	57	A	0.2	57	A
83	C	0.2	128	C	0.3	128	C	0.3	128	C	0.3	128	C	0.3	128	C	0.3	128	C	0.5	128	C	0.5	128	C	0.4	128	C	0.5	128	C
84	C	6.4	3767	C	6.5	3767	C	6.5	3767	C	6.6	3767	C	6.6	3767	C	6.6	3767	C	6.8	3767	C	6.9	3767	C	6.8	3767	C	6.7	5223	C
85	C	6.2	1540	C	6.2	1540	C	6.3	1540	C	6.3	1540	C	6.3	1540	C	6.3	1540	C	6.4	1540	C	6.5	1540	C	6.5	1540	C	6.5	1540	C
86	A	0.	75	A	0.	75	A	0.	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A
87	C	0.3	152	C	0.3	152	C	0.3	152	C	0.4	152	C	0.3	152	C	0.4	152	C	0.6	152	C	0.6	152	C	0.5	152	C	0.5	152	C
88	C	30.6	5377	C	35.4	5377	C	35.6	5377	C	33.7	11771	C	33.2	11771	C	33.6	11771	C	33.6	11771	C	33.8	11771	C	33.3	11771	C	32.9	11771	F
89	C	12.1	5279	C	12.4	5279	C	12.4	5279	C	33.2	11679	C	21.8	11679	C	22.3	11679	C	33.1	11679	C	33.5	11679	C	33.	11679	C	32.3	11679	C
90	C	50.9	63264	C	54.1	63264	C	54.2	63264	C	34.4	63264	C	33.8	63264	C	34.4	63264	C	34.	63264	C	34.2	63264	C	33.7	63264	C	33.4	63264	C
91	A	0.1	22	A	0.	22	A	0.1	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A
92	C	0.9	339	C	1.1	339	C	1.1	339	C	1.1	339	C	1.1	339	C	1.1	339	C	1.7	339	C	1.8	339	C	1.6	339	C	1.6	336	C
93	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A	0.1	50	A
94	B	0.	51	B	0.	51	B	0.	51	B	0.	51	B	0.	51	B	0.	51	B	0.	51	B	0.	51	B	0.	51	B	0.	51	B
95	C	22.5	519	C	20.	519	C	20.2	519	C	18.6	519	C	17.9	519	C	18.3	519	C	25.	719	C	24.9	719	C	23.9	719	C	1.5	336	C
96	C	20.6	6066	C	21.6	6066	C	21.7	6066	C	16.9	6066	C	16.7	6066	C	17.1	6066	C	17.7	6066	C	18.	6066	C	17.6	6066	C	6.5	3609	C
97	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.1	30	A	0.1	30	A	0.1	30	A	0.1	30	A
98	A	0.1	42	A	0.2	42	A	0.1	42	A	0.2	42	A	0.1	42	A	0.2	42	A	0.2	42	A	0.2	42	A	0.2	50	A	0.2	50	A

Table 132 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			grade
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	
99	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A
100	A	0.8	241	A	0.9	241	A	0.9	241	A	0.6	241	A	0.6	241	A	0.6	241	A	0.7	241	A	0.8	241	A	0.7	246	A	0.7	246	A
101	C	3.2	308	C	3.6	308	C	3.7	308	C	5.7	308	C	4.9	308	C	6.3	321	C	6.3	1098	C	6.4	1098	C	6.3	1098	C	6.2	292	C
102	A	0.2	58	A	0.2	58	A	0.2	58	A	0.3	58	A	0.3	58	A	0.3	58	A	0.4	63	A	0.5	63	A	0.4	63	A	0.4	63	A
103	A	1.9	276	A	2.1	276	A	2.1	276	A	1.6	276	A	1.6	276	A	1.6	276	A	2.	276	A	2.1	276	A	2.	276	A	2.1	276	A
104	A	2.2	216	A	2.3	216	A	2.4	216	A	1.1	216	A	1.	216	A	1.	216	A	1.3	216	A	1.4	216	A	1.3	216	A	1.2	216	A
105	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A
106	A	0.2	147	A	0.2	147	A	0.2	147	A	0.2	147	A	0.2	147	A	0.2	147	A	0.3	147	A	0.3	147	A	0.3	147	A	0.2	147	A
107	A	0.3	96	A	0.3	96	A	0.4	96	A	0.3	96	A	0.3	96	A	0.3	96	A	0.3	96	A	0.4	96	A	0.4	96	A	0.3	112	A
108	A	0.3	152	A	0.3	152	A	0.3	152	A	0.3	152	A	0.3	152	A	0.3	152	A	0.3	152	A	0.3	152	A	0.3	152	A	0.2	152	A
109	A	0.4	110	A	0.4	110	A	0.4	110	A	0.3	110	A	0.3	110	A	0.3	110	A	0.3	110	A	0.4	110	A	0.3	110	A	0.3	110	A
110	C	6.4	3176	C	6.5	3176	C	6.4	3176	C	6.6	3176	C	6.6	3176	C	6.6	3176	C	6.7	3176	C	6.7	3176	C	6.7	3176	C	6.6	4363	C
111	A	0.6	80	A	0.6	80	A	0.7	80	A	0.3	80	A	0.3	80	A	0.3	80	A	0.3	80	A	0.3	80	A	0.2	95	A	0.2	95	A
112	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A
113	A	1.6	201	A	1.6	201	A	1.6	201	A	1.7	201	A	1.6	201	A	1.6	201	A	2.6	201	A	2.7	201	A	2.5	201	A	2.4	201	A
114	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
115	A	0.	20	A	0.	20	A	0.	20	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A
116	A	0.1	19	A	0.1	19	A	0.1	19	A	0.1	19	A	0.1	19	A	0.1	19	A	0.1	19	A	0.1	19	A	0.1	19	A	0.1	19	A
117	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A
118	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A
119	A	0.1	13	A	0.1	13	A	0.1	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A
120	A	0.1	18	A	0.1	18	A	0.1	18	A	0.1	18	A	0.1	18	A	0.1	18	A	0.1	18	A	0.1	18	A	0.1	18	A	0.1	18	A
121	A	0.	9	A	0.	9	A	0.	9	B	0.	23	B	0.	23	B	0.	23	B	0.	23	B	0.	23	B	0.	23	B	0.	23	B
122	B	0.	11	B	0.	11	B	0.	11	A	0.	4	A	0.	4	A	0.	4	A	0.	4	A	0.	4	A	0.	4	A	0.	4	A
123	A	0.2	52	A	0.2	52	A	0.2	52	A	0.6	62	A	0.6	62	A	0.6	62	A	0.8	62	A	0.8	62	A	0.7	62	A	0.7	62	A
124	B	0.	67	B	0.	67	B	0.	67	B	0.	67	B	0.	67	B	0.	67	B	0.	67	B	0.	67	B	0.	67	B	0.	67	B
125	B	0.	46	B	0.	46	B	0.	46	B	0.1	46	B	0.1	46	B	0.	46	B	0.1	51	B	0.1	51	B	0.1	51	B	0.1	51	B
126	B	0.3	52	B	0.3	52	B	0.3	52	B	0.5	52	B	0.5	52	B	0.5	52	B	0.8	52	B	0.9	52	B	0.9	52	B	1.7	52	B
127	B	0.1	63	B	0.1	63	B	0.1	63	B	0.1	63	B	0.1	63	B	0.1	63	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A
128	A	0.	5	A	0.	5	A	0.	5	A	0.	5	A	0.	5	A	0.	5	A	0.	5	A	0.	5	A	0.	5	A	0.	5	A
129	B	0.	38	B	0.	38	B	0.	38	B	0.	38	B	0.	38	B	0.	38	B	0.1	38	B	0.1	38	B	0.1	38	B	0.1	38	B
130	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.1	18	A	0.1	18	A	0.1	18	A	0.1	18	A
131	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A
132	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A	0.	3	A

Table 132 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			grade c			
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size				
133	A	0.	28	A	0.	28	A	0.	28	A	0.1	28	A	0.1	28	A	0.1	28	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A
134	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A
135	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A	0.	19	A
136	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A
137	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A	0.	13	A
138	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A
139	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A
140	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A
141	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A	0.	6	A
142	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A
143	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A
144	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A
145	B	0.1	82	B	0.1	82	B	0.2	82	B	0.2	82	B	0.2	82	B	0.2	82	B	0.2	82	B	0.2	82	B	0.2	82	B	0.2	82	B	0.2	82	B
146	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	11	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A
147	A	0.1	29	A	0.	29	A	0.1	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A
148	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A
149	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A
150	A	0.	10	A	0.	10	A	0.	15	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A	0.	10	A
151	B	0.	33	B	0.	33	B	0.	33	B	0.	33	B	0.	33	B	0.	33	B	0.	33	B	0.	33	B	0.	33	B	0.	33	B	0.	33	B
152	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A
153	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A
154	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A
155	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A
156	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	A	0.	31	B	0.1	73	B	0.1	73	B	0.1	73	B	0.1	73	B	0.1	73	B
157	A	0.	32	A	0.	32	A	0.	31	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A
158	C	0.	40	C	0.	40	C	0.	40	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A
159	A	0.1	147	A	0.1	147	A	0.1	147	A	0.1	147	A	0.1	147	A	0.1	147	A	0.2	147	A	0.1	147	A	0.1	147	A	0.1	147	A	0.1	147	A
160	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A
161	A	0.1	174	A	0.1	174	A	0.1	174	A	0.1	174	A	0.1	174	A	0.1	174	A	0.2	174	A	0.1	174	A	0.1	174	A	0.1	174	A	0.1	174	A
162	A	0.3	290	A	0.3	290	A	0.3	290	A	0.5	290	A	0.4	290	A	0.4	290	A	0.7	290	A	0.5	290	A	0.5	290	A	0.5	290	A	0.4	290	A
163	A	0.7	191	A	0.8	191	A	0.8	191	A	1.1	191	A	1.1	191	A	1.1	191	A	1.7	191	A	1.1	191	A	1.1	191	A	1.1	191	A	1.1	191	A
164	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A
165	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	B	0.2	113	B	0.2	113	B	0.2	113	B	0.2	113	B	0.2	113	B
166	A	0.	42	A	0.	42	A	0.	37	A	0.	71	A	0.	71	A	0.	71	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A	0.	70	A

Table 132 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9								
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size			
167	B	0.	47	B	0.	47	B	0.	47	B	0.	47	B	0.	47	B	0.	47	B	0.	47	B	0.	47	B	0.	47	B	0.	47	B	0.	47	B		
168	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25
169	A	0.1	55	A	0.1	55	A	0.1	55	A	0.2	55	A	0.2	55	A	0.2	55	A	0.2	55	A	0.2	55	A	0.2	55	A	0.1	55	A	0.1	55	A	0.1	55
170	C	0.	68	C	0.	68	C	0.	68	C	0.1	68	C	0.1	68	C	0.1	68	C	0.2	68	C	0.2	68	C	0.2	68	C	0.2	68	C	0.1	68	C	0.1	68
171	A	0.1	24	A	0.2	24	A	0.2	24	A	0.2	24	A	0.2	24	A	0.2	24	A	0.1	24	A	0.1	24	A	0.1	24	A	0.1	24	A	0.1	26	A	0.1	26
172	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8
173	A	0.1	32	A	0.1	32	A	0.1	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.1	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32
174	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14	A	0.	14
175	A	0.3	120	A	0.3	120	A	0.4	120	A	0.6	120	A	0.6	120	A	0.5	120	A	0.5	120	A	0.5	120	A	0.5	120	A	0.5	120	A	0.4	120	A	0.4	120
176	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.	30	A	0.1	24	A	0.1	24	A	0.1	24	A	0.1	24	A	0.1	24	A	0.1	24
177	A	0.3	134	A	0.3	134	A	0.3	134	A	0.2	134	A	0.2	134	A	0.2	134	A	0.3	134	A	0.4	134	A	0.3	134	A	0.3	134	A	0.3	134	A	0.3	134
178	A	1.5	167	A	1.6	167	A	1.6	167	A	0.5	167	A	0.5	167	A	0.6	167	A	0.7	167	A	0.7	167	A	0.7	167	A	0.7	167	A	0.5	167	A	0.5	167
179	A	8.9	42	A	9.7	42	A	9.7	42	A	0.2	42	A	0.2	42	A	0.2	42	A	0.1	42	A	0.1	42	A	0.1	42	A	0.1	42	A	0.1	42	A	0.1	42
180	A	11.	42	A	11.1	42	A	11.1	42	A	0.3	42	A	0.2	42	A	0.2	42	A	0.1	42	A	0.1	42	A	0.1	42	A	0.1	42	A	0.1	42	A	0.1	42
181	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	A	0.	26	C	18.5	102	C	18.5	102	C	15.5	102	A	15.1	25	C	18.5	102	C	18.5	102

## 2.131 5\_Inverse\_trig\_functions\5.1aInversesine\5.1.2(dx)^m(a+barsin(cx))^n

Table 133: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50
2	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46
3	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
4	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 73
5	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74
6	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35
7	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44
8	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69
9	A 0.1 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0.2 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0.1 133
10	A 1.7 284	A 1.9 284	A 2. 284	A 3. 284	A 2.8 284	A 2.8 284	A 4.6 284	A 3.2 284	A 3.2 284	A 3. 284	A 2.6 284	A 2.5 284	A 2.5 284
11	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69
12	A 0.2 124	A 0.2 124	A 0.2 124	A 0.3 124	A 0.3 124	A 0.3 124	A 0.4 124	A 0.3 124	A 0.3 124	A 0.3 124	A 0.3 124	A 0.3 124	A 0.2 124
13	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
14	A 0.1 73	A 0.1 73	A 0.1 73	A 0.2 73	A 0.2 73	A 0.2 73	A 0.2 73	A 0.2 73	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85
15	A 0. 61	A 0. 61	A 0. 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0. 61
16	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86
17	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
18	C 0. 66	C 0. 66	C 0. 66	C 0. 66	C 0. 66	C 0. 66	A 0.1 44	A 0.1 44	A 0.1 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44
19	C 0.1 192	C 0.1 192	C 0.1 192	C 0.1 204	C 0.1 204	C 0.1 204	A 1.7 182	A 1.7 182	A 2.1 185	A 1.5 185	A 1.4 185	A 1.2 185	A 1.2 185
20	C 0. 131	C 0. 131	C 0. 131	C 0. 140	C 0. 140	C 0. 140	A 1. 130	A 1. 130	A 1.1 132	A 0.8 132	A 0.8 132	A 0.7 132	A 0.7 132
21	C 0. 69	C 0. 69	C 0. 69	C 0. 69	C 0. 69	C 0. 69	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
22	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
23	C 0.1 87	C 0.1 87	C 0.1 87	C 0.1 87	C 0.1 87	C 0.1 87	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59
24	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
25	C 0.3 200	C 0.2 200	C 0.3 200	C 0.4 200	C 0.4 200	C 0.5 200	A 0.9 99	A 0.9 99	A 0.4 124	A 0.4 124	A 0.4 124	A 0.3 124	A 0.3 124
26	C 0.1 138	C 0.1 138	C 0.1 138	C 0.1 138	C 0.1 138	C 0.1 138	A 0.2 69	A 0.2 69	A 0.2 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69
27	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
28	C 0.7 272	C 0.8 272	C 0.7 272	C 1.2 272	C 1.2 272	C 1.4 272	A 1.4 129	A 1.4 129	A 0.8 145	A 0.7 145	A 0.7 145	A 0.6 145	A 0.6 145
29	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56
30	A 0.1 52	A 0.1 52	A 0.1 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52

Table 133 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
31	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0. 75	A
32	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A
33	A 0.2 72	A 0.2 72	A 0.2 72	A 0.2 72	A 0.2 72	A 0.2 72	A 0.2 72	A 0.2 72	A 0.2 72	A 0.2 72	A 0.2 72	A 0.1 72	A
34	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
35	A 0.5 168	A 0.5 168	A 0.6 168	A 0.9 168	A 0.8 168	A 0.9 168	A 0.9 168	A 0.9 168	A 0.8 168	A 0.7 168	A 0.7 168	A 0.6 168	A
36	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
37	C 2.1 289	C 2.2 289	C 2.3 289	C 3. 291	C 2.8 291	C 3.4 291	A 1.5 160	A 1.5 160	A 1.6 168	A 1.7 168	A 1.4 168	A 1.2 168	A
38	C 0. 129	C 0. 129	C 0. 129	C 0.1 141	C 0.1 141	C 0.1 141	A 3.4 201	A 3.6 201	A 3.6 195	A 3.3 195	A 2.7 195	A 2.3 195	A
39	C 2.5 366	C 2.6 366	C 2.6 366	C 3.1 379	C 2.9 379	C 3.1 379	A 3.5 208	A 3.6 208	A 3.7 202	A 3.8 202	A 3. 202	A 2.5 202	A
40	C 0.2 228	C 0.2 228	C 0.2 228	C 0.3 228	C 0.3 228	C 0.3 228	A 0.5 186	A 0.5 186	A 0.5 186	A 0.5 186	A 0.4 186	A 0.4 185	A
41	C 0.3 343	C 0.3 343	C 0.3 343	C 0.4 343	C 0.4 343	C 0.5 343	A 2.5 270	A 2.6 270	A 2.4 270	A 2.3 270	A 2. 270	A 1.6 270	A
42	C 0.1 155	C 0.1 155	C 0.1 155	C 0.1 155	C 0.1 155	C 0.1 155	A 0.5 125	A 0.5 125	A 0.5 125	A 0.4 125	A 0.4 125	A 0.3 125	A
43	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
44	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
45	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
46	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F

2.132 5\_Inverse\_trig\_functions\5.1aInversesine\5.1.4a(fx)^m(d-c^2dx^2)^p(a+barcsin(cx))^n

Table 134: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.2 89	A 0.2 89	A 0.2 89	A 0.1 89	A 0.1 89	A 0.1 89
2	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.2 85	A 0.2 85	A 0.2 85	A 0.1 85	A 0.1 85	A 0.1 85
3	A 0.1 88	A 0. 88	A 0. 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66
4	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 110	A 0.1 112	A 0.1 110	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112
5	A 0.1 115	A 0.1 115	A 0.1 115	A 0.1 115	A 0.1 115	A 0.1 115	A 0.2 115	A 0.2 115	A 0.2 115	A 0.1 115	A 0.1 115	A 0.1 115
6	A 0.4 222	A 0.4 226	A 0.5 226	A 0.2 203	A 0.2 203	A 0.2 203	A 0.3 203	A 0.3 203	A 0.3 203	A 0.2 203	A 0.2 203	A 0.2 203
7	A 0.1 162	A 0.1 162	A 0.1 162	A 0.2 175	A 0.1 175	A 0.2 175	A 0.3 175	A 0.3 175	A 0.3 175	A 0.2 175	A 0.2 175	A 0.2 175
8	B 0.5 308	B 0.6 312	B 0.6 312	B 0.3 294	B 0.3 294	B 0.3 294	B 0.4 294	B 0.4 294	B 0.3 294	B 0.3 294	B 0.3 294	B 0.3 294
9	B 0.2 207	B 0.3 207	B 0.3 207	B 0.2 207	B 0.2 207	B 0.2 207	B 0.1 207	B 0.1 207	B 0.1 207	B 0.1 207	B 0.1 207	B 0. 207
10	B 0.4 392	B 0.5 392	B 0.5 392	B 1.4 479	B 0.4 392	B 1.5 479	B 0.6 392	B 0.5 392	B 0.4 392	B 0.3 392	B 0.3 392	B 0.3 392
11	B 0.4 350	B 0.4 350	B 0.5 350	B 0.2 350	B 0.1 350	B 0.2 350	B 0.3 363	B 0.3 363	B 0.3 363	B 0.2 363	B 0.2 363	B 0.2 363
12	A 0.9 348	A 1. 348	A 1. 348	A 0.8 348	A 0.8 348	A 1.3 348	A 2.1 356	A 1.8 356	A 1.7 356	A 1. 356	A 0.8 356	A 0.8 356
13	B 0.8 445	B 0.9 445	B 1. 445	B 0.9 445	B 0.8 445	B 1.5 445	B 2.4 445	B 2.1 445	B 1.9 445	B 0.9 445	B 0.8 445	B 0.8 445
14	A 0.1 169	A 0.1 169	A 0.1 169	A 0.1 169	A 0.1 169	A 0.1 169	A 1.6 188	A 1.6 188	A 1.5 188	A 1.2 188	A 1.1 188	A 0.9 188
15	A 0.3 172	A 0.3 172	A 0.3 172	A 0.2 162	A 0.2 162	A 0.2 162	A 0.3 162	A 0.3 162	A 0.3 162	A 0.3 213	A 0.2 162	A 0.2 162
16	A 0.1 157	A 0.1 157	A 0.1 157	A 0.2 157	A 0.2 157	A 0.2 157	A 0.2 146	A 0.2 146	A 0.2 146	A 0.1 146	A 0.1 146	A 0.1 146
17	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93
18	A 0.1 150	A 0.1 150	A 0.1 150	A 0.2 150	A 0.2 150	A 0.2 150	A 0.2 155	A 0.3 155	A 0.2 155	A 0.2 155	A 0.2 155	A 0.2 155
19	A 0. 84	A 0. 84	A 0. 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.2 103	A 0.2 103	A 0.2 103	A 0.1 103	A 0.1 103	A 0.1 103
20	A 0.7 278	A 0.8 278	A 0.8 278	A 1.2 278	A 1.1 278	A 1.1 278	A 1.8 278	A 1.5 278	A 1.4 278	A 1.2 278	A 1.1 278	A 0.9 278
21	A 0.7 266	A 0.7 266	A 0.8 266	A 0.9 266	A 0.9 266	A 0.9 266	A 1.4 266	A 1.4 266	A 1.3 266	A 1.1 266	A 1. 266	A 0.8 266
22	A 4.1 640	A 4.5 640	A 4.6 640	A 6.6 640	A 6. 640	A 6.8 640	A 9.8 660	A 7.9 640	A 7.4 640	A 6.9 640	A 7.3 660	A 7.5 660
23	A 0.1 119	A 0. 119	A 0. 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0.2 133	A 0.2 133	A 0.2 133	A 0.2 133	A 0.1 133	A 0.1 133
24	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50
25	A 0.2 146	A 0.3 146	A 0.3 146	A 0.3 146	A 0.3 146	A 0.3 146	A 0.5 146	A 0.5 146	A 0.4 146	A 0.3 146	A 0.3 146	A 0.5 146
26	C 0.2 136	C 0.2 136	C 0.2 136	C 0.2 136	C 0.2 136	C 0.2 136	C 0.3 136	C 0.3 136	C 0.3 136	C 0.3 136	C 0.2 136	C 0.2 136
27	A 1.2 456	A 1.3 456	A 1.3 456	A 2.1 456	A 2. 456	A 2.4 456	A 3.8 456	A 3. 456	A 2.8 456	A 2.1 456	A 1.8 456	A 1.7 456
28	A 0.1 111	A 0.2 111	A 0.2 111	A 0.2 111	A 0.2 111	A 0.2 111	A 0.3 111	A 0.3 111	A 0.3 111	A 0.2 111	A 0.2 111	A 0.2 111
29	A 0.3 256	A 0.3 256	A 0.3 256	A 0.5 256	A 0.6 256	A 0.5 256	A 1. 295	A 1. 295	A 0.9 295	A 0.9 295	A 0.7 295	A 0.7 295
30	A 0.1 118	A 0. 118	A 0. 118	A 0.1 118	A 0.1 118	A 0.1 118	A 0.4 128	A 0.5 128	A 0.3 131	A 0.3 131	A 0.2 131	A 0.2 131

Table 134 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
32	A 0.2 207	A 0.2 207	A 0.2 207	A 0.3 207	A 0.3 207	A 0.3 207	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
33	A 0.2 279	A 0.2 279	A 0.2 279	A 0.4 279	A 0.4 279	A 0.4 279	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
34	A 0.2 203	A 0.2 203	A 0.2 203	A 0.3 203	A 0.3 203	A 0.3 203	A 0.5 203	A 0.6 203	A 0.5 203	A 0.4 203	A 0.4 203	A 0.3 203
35	A 0.1 192	A 0.1 192	A 0.1 192	A 0.2 192	A 0.2 192	A 0.2 192	A 0.5 189	A 0.6 189	A 0.5 189	A 0.4 189	A 0.4 189	A 0.3 189
36	A 0.2 137	A 0.1 137	A 0.1 137	A 0.2 137	A 0.2 137	A 0.2 137	A 0.3 137	A 0.3 137	A 0.3 137	A 0.3 137	A 0.2 137	A 0.2 137
37	A 0.2 253	A 0.1 253	A 0.1 253	A 0.3 253	A 0.2 253	A 0.3 253	A 0.6 253	A 0.6 253	A 0.5 253	A 0.4 253	A 0.3 253	A 0.3 253
38	A 0.6 374	A 0.6 374	A 0.7 374	A 0.9 374	A 0.8 374	A 0.9 374	A 1.3 390	A 1.1 390	A 1. 390	A 0.9 390	A 0.9 390	A 0.8 390
39	B 0.8 342	B 0.9 342	B 0.8 342	A 0.1 143	A 0.1 143	A 0.1 143	B 0.4 342	B 0.4 342	B 0.3 342	B 0.3 342	B 0.2 342	B 0.2 342
40	B 0.4 453	B 0.5 453	B 0.5 453	A 0.2 254	A 0.2 254	A 0.2 254	B 0.3 453	B 0.3 453	B 0.3 453	B 0.2 453	B 0.2 453	B 0.2 453
41	B 1.5 612	B 1.7 612	B 1.7 612	A 1.4 365	A 1.3 365	A 1.5 365	B 3.3 612	B 2.5 612	B 2.3 612	B 2.6 612	B 1.5 612	B 1.6 612
42	A 0.4 192	A 0.4 192	A 0.4 192	A 0.2 192	A 0.2 192	A 0.2 192	A 0.3 192	A 0.3 192	A 0.3 192	A 0.2 192	A 0.2 192	A 0.2 192
43	B 7.1 918	B 7.6 989	B 7.7 1003	B 7.8 1066	B 7.6 989	B 7.6 1066	B 8.5 989	B 8.1 989	B 8.1 989	B 7.8 989	B 7.7 989	B 7.8 989
44	A 0.2 120	A 0.2 120	A 0.2 120	A 0.3 120	A 0.3 120	A 0.3 120	A 0.2 172	A 0.2 172	A 0.2 172	A 0.2 172	A 0.2 172	A 0.2 172
45	A 1. 391	A 1.1 391	A 1.1 391	A 1.2 391	A 1.2 391	A 1.6 391	A 2.6 391	A 2.1 391	A 1.9 391	A 1.4 391	A 1.1 391	A 0.9 391
46	A 0.8 257	A 0.9 257	A 0.9 257	A 1.1 257	A 1. 257	A 1.2 257	A 1.8 257	A 1.5 257	A 1.4 257	A 1.1 257	A 1. 249	A 0.8 249
47	A 0.2 244	A 0.2 244	A 0.2 244	A 0.3 244	A 0.3 244	A 0.3 244	A 0.5 254	A 0.5 254	A 0.5 254	A 0.4 254	A 0.4 254	A 0.3 254
48	A 0.1 159	A 0.1 159	A 0.1 159	A 0.2 159	A 0.2 159	A 0.2 159	A 0.4 200	A 0.4 200	A 0.3 200	A 0.3 200	A 0.3 200	A 0.2 200
49	A 2.4 396	A 2.7 396	A 2.7 396	A 2.6 396	A 2.4 396	A 2.9 396	A 4.3 396	A 3.9 396	A 6.3 407	A 3.3 407	A 3.1 399	A 2.5 399
50	A 0.3 348	A 0.3 348	A 0.3 348	A 0.4 348	A 0.4 348	A 0.8 348	A 3.6 486	A 3.7 486	A 3.4 486	A 3. 486	A 2.9 486	A 2.4 486
51	A 0.2 176	A 0.2 176	A 0.2 176	A 0.3 216	A 0.3 216	A 0.3 216	A 0.4 226	A 0.4 226	A 0.4 226	A 0.4 226	A 0.3 226	A 0.3 226
52	A 0.7 299	A 0.7 299	A 0.7 299	A 1.9 407	A 1.8 407	A 2.5 407	A 3.6 407	A 3.7 407	A 3.9 407	A 2.2 407	A 2. 407	A 1.7 407
53	A 0.1 176	A 0.1 176	A 0.1 176	A 0.1 176	A 0.1 176	A 0.1 176	A 0.3 190	A 0.4 190	A 0.3 190	A 0.3 190	A 0.2 190	A 0.2 190
54	A 1.5 210	A 1.7 210	A 1.6 210	A 1.3 210	A 1.2 210	A 1.9 210	A 2.4 210	A 2.6 210	A 1.5 213	A 1.2 213	A 1.1 213	A 0.9 213
55	A 0.8 462	A 0.9 462	A 0.9 462	A 0.9 462	A 0.8 462	A 0.9 462	A 1.2 462	A 1.1 462	A 1. 462	A 1. 462	A 0.8 462	A 0.6 462
56	A 8.1 935	A 8.4 935	A 8.5 935	A 8.8 935	A 8.7 935	A 8.6 935	A 10.4 935	A 8.7 935	A 8.5 935	A 8.5 935	A 8.2 935	A 8.1 935
57	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0. 73	A 0. 73
58	A 1.1 194	A 1. 194	A 1.1 194	A 1.5 194	A 1.3 194	A 1.4 194	A 2.9 194	A 1.6 194	A 1.4 196	A 1.3 196	A 1. 196	A 0.9 196
59	B 0.3 267	B 0.3 267	B 0.2 267	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
60	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
61	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
62	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
63	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
64	A 0.2 162	A 0.2 162	A 0.2 162	A 0.2 162	A 0.2 162	A 0.2 162	B 0.6 556	B 0.7 556	B 0.4 531	B 0.2 531	B 0.2 531	B 0.2 531



Table 134 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
65	A 0.3 234	A 0.4 234	A 0.4 234	A 0.5 234	A 0.4 234	A 0.5 234	B 12.1 1331	B 10. 747	B 9.7 747	B 9.3 747	B 8.9 747	B 9.4 747
66	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0. 42	A 0.1 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42
67	A 0.5 319	A 0.6 319	A 0.6 319	A 0.8 319	A 0.7 319	A 0.8 319	A 1.1 319	A 0.9 319	A 0.8 319	A 0.9 319	A 0.7 319	A 0.6 319
68	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0. 85	A 0. 85
69	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
70	A 0.2 135	A 0.2 135	A 0.2 135	A 0.3 135	A 0.3 135	A 0.3 135	A 0.4 135	A 0.4 135	A 0.4 135	A 0.3 135	A 0.4 135	A 0.3 135
71	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
72	A 0.5 179	A 0.5 179	A 0.5 179	A 0.8 179	A 0.7 179	A 0.8 179	A 1. 179	A 1.1 179	A 1. 179	A 0.8 179	A 0.8 179	A 0.7 179
73	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
74	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9
75	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
76	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
77	A 0.2 108	A 0.3 108	A 0.3 108	A 0.3 108	A 0.2 108	A 0.2 108	A 0.4 108	A 0.4 108	A 0.3 108	A 0.3 108	A 0.3 108	F 0 0
78	A 0.1 45	A 0.2 45	A 0.2 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45
79	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
80	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
81	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
82	A 0.3 82	A 0.3 82	A 0.3 82	A 0.3 82	A 0.3 82	A 0.3 82	A 0.5 82	A 0.5 82	A 0.4 98	A 0.3 98	A 0.3 98	A 0.3 98
83	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
84	A 0.6 404	A 0.7 404	A 0.7 404	A 1. 404	A 0.9 404	A 1. 404	A 1.3 404	A 1.3 404	A 1.2 404	A 1. 404	A 0.9 404	A 0.8 404
85	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
86	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
87	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59
88	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
89	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
90	C 1. 686	C 1.1 686	C 1.1 686	C 2.8 686	C 2.6 686	C 3.4 686	A 15.7 581	A 13.9 581	A 15.7 581	A 12. 581	A 9.9 581	A 8. 581
91	C 1.6 522	C 1.5 522	C 1.6 522	C 2.4 522	C 2.3 522	C 2.8 522	A 7.8 445	A 7.1 445	A 7.1 445	A 6.1 445	A 5.2 445	A 4.1 445
92	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
93	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
94	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
95	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
96	C 0.1 148	C 0.1 148	C 0.1 148	C 0.1 148	C 0.1 148	C 0.1 148	A 0.2 90	A 0.2 90	A 0.2 90	A 0.2 90	A 0.2 90	A 0.1 90
97	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42
98	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

Table 134 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
99	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
100	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
101	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

## 2.133 5\_Inverse\_trig\_functions\5.1aInversesine\5.1.4b(fx)^m(d+ex^2)^p(a+barcsin(cx))^n

Table 135: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 115	A 0.1 115	A 0.1 115	A 0.1 115	A 0.1 115	A 0.1 115	A 0.2 145	A 0.2 145	A 0.2 145	A 0.1 145	A 0.1 145	A 0.1 145
2	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.2 116	A 0.2 116	A 0.2 153	A 0.1 153	A 0.1 153	A 0.1 153
3	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 104	A 0.1 101	A 0.1 104	A 0.2 101	A 0.2 101	A 0.2 101	A 0.1 101	A 0.1 101	A 0.1 101
4	A 0.1 125	A 0.1 125	A 0.1 125	A 0.2 125	A 0.2 125	A 0.2 125	A 0.2 125	A 0.2 125	A 0.2 131	A 0.1 131	A 0.1 131	A 0.1 131
5	A 0.2 210	A 0.2 218	A 0.2 218	A 0.5 184	A 0.5 184	A 0.5 184	A 1.2 182	A 1.1 182	A 0.4 174	A 0.3 174	A 0.3 174	A 0.2 174
6	A 0.1 129	A 0.1 129	A 0.1 129	A 0.2 129	A 0.1 129	A 0.2 129	A 0.3 129	A 0.3 129	A 0.2 129	A 0.2 129	A 0.2 129	A 0.1 129
7	A 0.1 140	A 0.1 140	A 0.1 140	A 0.2 140	A 0.2 140	A 0.2 140	A 0.3 140	A 0.3 140	A 0.3 140	A 0.2 140	A 0.2 140	A 0.2 140
8	A 0.1 183	A 0.1 183	A 0.1 183	A 0.2 183	A 0.2 183	A 0.3 183	A 0.4 183	A 0.4 183	A 0.4 183	A 0.3 183	A 0.2 183	A 0.2 183
9	A 0.8 593	A 0.9 593	A 0.9 593	A 1.4 593	A 1.2 593	A 1.6 593	A 8.8 1134	A 8.8 1099	A 8.8 1134	F 0 0	F 0 0	F 0 0
10	A 0.6 603	A 0.7 603	A 0.7 603	A 1.2 603	A 1.1 603	A 2. 603	A 6. 1154	A 6. 1154	A 6. 1154	F 0 0	C 6.6 4342	F 0 0
11	A 0.9 591	A 1.1 591	A 1. 591	A 1.9 591	A 1.7 591	A 2.5 591	A 6. 1160	A 6. 1160	A 6. 1160	F 0 0	C 2.6 1439	F 0 0
12	A 0.2 291	A 0.2 291	A 0.2 291	A 0.3 291	A 0.3 291	A 0.4 291	A 0.7 291	A 0.7 291	A 0.7 291	A 0.4 291	A 0.3 291	A 0.3 291
13	A 0.7 191	A 0.8 191	A 0.8 191	A 1.1 191	A 1. 191	A 1. 191	A 1.4 191	A 1.4 191	A 1.3 191	A 1.1 191	A 1.1 191	A 0.9 191
14	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
15	C 8.3 844	C 8.5 844	C 8.6 844	C 10.5 873	C 10.2 873	C 11.5 873	A 9.4 503	A 10.1 503	A 12.2 503	A 10. 503	A 8. 503	A 6.3 503
16	C 0.1 74	C 0.1 74	C 0.1 74	C 0.1 74	C 0.1 74	C 0.3 164	C 0.4 164	C 0.1 74	C 0.1 74	C 0.1 74	C 0.3 109	C 0.2 164
17	C 0.2 190	C 0.2 190	C 0.2 190	C 0.3 190	C 0.2 190	C 0.6 231	C 0.8 231	C 0.4 190	C 0.3 190	C 0.3 189	C 0.6 162	C 0.5 190
18	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
19	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
20	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
21	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
22	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

## 2.134 5\_Inverse\_trig\_functions\5.1aInversesine\5.1.5Inversesinefunctions

Table 136: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
1	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.2 121	A 0.2 121	A 0.1 121	A 0.1 121	A 0.1 121	A
2	A 0. 92	A 0. 92	A 0. 92	A 0. 92	A 0. 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 92	A
3	A 0.1 214	A 0.1 214	A 0.1 214	A 0.2 214	A 0.2 214	A 0.2 214	A 1.3 359	A 1.1 359	A 1.1 359	A 0.6 359	A 0.6 359	A
4	A 0.3 241	A 0.3 241	A 0.3 241	A 0.6 241	A 0.6 241	A 0.6 241	A 0.9 241	A 1. 241	A 0.9 241	A 0.7 241	A 0.6 241	A
5	A 0.4 154	A 0.6 154	A 0.6 154	A 0.4 147	A 0.4 147	A 0.4 147	A 0.3 147	A 0.3 147	A 0.3 148	A 0.2 148	A 0.2 148	A
6	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
7	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
8	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
9	A 0.4 237	A 0.3 237	A 0.3 237	A 0.5 237	A 0.5 237	A 0.7 237	A 1.8 333	A 1.9 333	A 1.7 333	A 1.5 333	A 1.4 333	A
10	A 1.6 600	A 1.8 600	A 1.7 600	A 2.8 600	A 2.9 600	A 6.2 762	A 12.3 1417	A 12.3 1417	A 12.2 1417	A 10.9 1258	A 10.7 1258	A
11	A 0.7 463	A 0.7 463	A 0.7 463	A 1.3 463	A 1.3 463	A 1.2 463	A 7. 1014	A 7. 1014	A 6.9 1014	A 6. 594	A 5.4 594	A
12	A 1.7 787	A 1.7 787	A 1.8 787	A 2.9 787	A 2.8 787	A 3.4 787	B 61.1 10007	B 61.1 10007	B 61.1 10007	B 31.6 8121	B 30.7 7542	B
13	A 0.3 296	A 0.4 296	A 0.4 296	A 0.6 296	A 0.6 296	A 0.8 296	B 12.4 1414	B 12.4 1414	B 12.3 1414	B 12.3 1414	B 10.6 1265	B
14	C 0.7 285	C 0.7 285	C 0.7 285	C 1.3 285	C 1.3 285	C 1.2 285	C 1.3 285	C 1.4 285	C 1.2 285	C 1.2 285	C 1. 285	C
15	A 0.2 225	A 0.2 225	A 0.2 225	A 0.3 224	A 0.3 224	A 0.3 224	A 4.4 414	A 4.4 414	A 3.4 417	A 2.2 417	A 2.1 417	A
16	A 1.4 872	A 1.4 872	A 1.5 872	A 2.8 872	A 2.8 872	A 2.8 872	A 9.1 1999	A 9.2 1999	A 8.8 2011	A 8.5 2013	A 8.6 2013	A
17	A 0.4 395	A 0.4 395	A 0.4 395	A 0.7 395	A 0.7 395	A 0.7 395	A 6.7 623	A 6.8 623	A 6.2 626	A 4. 626	A 3.8 626	A
18	A 3.3 597	A 3.5 597	A 3.6 597	A 5.5 597	A 5.3 597	A 6. 597	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
19	A 5.5 618	A 6.1 618	A 6.2 711	A 6.3 711	A 6.3 711	A 6.3 711	A 7.9 1076	A 7.7 1076	A 7.6 1076	A 7.4 1076	A 6.8 855	A
20	A 4.2 591	A 4.8 591	A 5. 591	A 6.2 683	A 6.2 683	A 6.2 683	A 7.3 769	A 7.2 769	A 7.1 769	A 6.1 625	A 4.9 625	A
21	A 0. 246	A 0. 246	A 0. 246	A 0. 246	A 0. 246	A 0. 246	F 0 0	A 149.8 389	A 7.7 389	A 58. 389	F 0 0	F
22	A 1.3 326	A 1.3 326	A 1.3 326	A 1.4 326	A 1.4 326	A 1.6 326	A 2. 326	A 2. 326	A 1.9 326	A 2. 332	A 1.8 332	A
23	A 0.3 305	A 0.2 305	A 0.3 305	A 0.4 305	A 0.4 305	A 0.4 305	A 0.5 305	A 0.6 305	A 0.5 305	A 0.4 305	A 0.4 305	A
24	A 0.5 263	A 0.4 263	A 0.5 263	A 0.5 263	A 0.6 263	A 0.6 263	A 0.8 263	A 0.8 263	A 0.7 263	A 0.6 263	A 0.6 263	A
25	A 0.5 321	A 0.5 321	A 0.5 321	A 0.8 321	A 0.8 321	A 0.9 321	A 1.3 321	A 1.3 321	A 1.2 321	A 1. 321	A 0.9 321	A
26	A 0.5 457	A 0.6 457	A 0.6 457	A 0.7 381	A 0.7 381	A 0.7 381	B 12.6 1436	B 12.3 1436	B 13.4 1436	B 5.3 1386	B 5. 1386	B
27	A 0.7 734	A 0.6 734	A 0.6 734	A 1.1 734	A 1.1 734	A 1.4 734	A 2.9 1099	A 3. 1099	A 2.8 1099	A 2.1 1099	A 1.9 1099	A
28	A 0.8 688	A 0.8 688	A 0.8 688	A 1.4 688	A 1.4 688	A 1.5 688	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
29	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A
30	A 0. 197	A 0. 197	A 0. 197	A 0. 197	A 0. 197	A 0. 197	A 0.5 285	A 0.5 285	A 0.5 285	A 0.4 285	A 0.4 285	A

Table 136 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
31	A 0.2 111	A 0.3 111	A 0.3 111	A 0.2 111	A 0.2 111	A 0.2 111	A 0.2 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A
32	A 0.2 83	A 0.2 83	A 0.2 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A
33	A 0. 309	A 0. 309	A 0. 309	A 0. 309	A 0. 309	A 0. 309	B 5.7 1014	B 12.4 1014	B 11.8 1014	B 2.7 1014	F 0 0	F
34	A 0.1 208	A 0.1 208	A 0.1 208	A 0.1 208	A 0.1 208	A 0.1 208	B 8. 789	B 7.8 787	B 9.6 791	B 3.4 791	B 3.2 791	B
35	A 0.2 135	A 0.2 135	A 0.2 135	A 0.2 135	A 0.2 135	A 0.2 135	A 0.1 135	A 0.1 135	A 0.1 135	A 0.1 135	A 0.1 135	A
36	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A
37	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A
38	C 0.1 131	C 0.1 131	C 0.1 131	C 0.1 131	C 0.1 131	C 0.1 131	A 0.2 97	A 0.2 97	A 0.2 97	A 0.1 97	A 0.1 97	A
39	C 0.3 185	C 0.2 185	C 0.2 185	C 0.3 185	C 0.3 185	C 0.3 185	A 0.7 147	A 0.8 147	A 0.7 147	A 0.7 147	A 0.6 147	A
40	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
41	B 0.2 159	B 0.2 159	B 0.3 159	A 0.1 51	A 0. 51	A 0. 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A
42	C 0.1 65	C 0.1 65	C 0.1 65	C 0.1 65	C 0. 68	C 0. 68	A 0.2 125	A 0.3 125	A 0.4 129	A 0.4 129	A 0.3 129	A
43	A 0.1 86	A 0. 86	A 0. 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.3 125	A 0.3 125	A 0.3 125	A 0.2 125	A 0.2 125	A
44	A 0.2 170	A 0.2 170	A 0.2 170	A 0.2 170	A 0.2 170	A 0.2 170	A 0.2 170	A 0.2 170	A 0.2 172	A 0.2 172	A 0.2 172	A
45	A 0.5 176	A 0.5 176	A 0.5 176	A 0.6 176	A 0.6 176	A 0.7 176	A 1.1 176	A 0.8 176	A 0.8 176	A 0.6 176	A 0.7 176	A
46	A 0.6 307	A 0.6 307	A 0.6 307	A 1. 307	A 1. 307	A 1. 307	A 0.7 368	A 0.7 368	A 0.7 368	A 0.7 369	A 0.6 369	A
47	A 0.2 199	A 0.2 199	A 0.2 199	A 0.4 199	A 0.4 199	A 0.4 199	A 0.4 266	A 0.4 266	A 0.4 266	A 0.4 267	A 0.3 267	A
48	A 0.3 304	A 0.3 304	A 0.3 304	A 0.2 304	A 0.2 304	A 0.2 304	A 0.3 304	A 0.2 304	A 0.2 304	A 0.2 304	A 0.2 304	A
49	A 0.3 287	A 0.3 287	A 0.3 287	A 0.5 287	A 0.5 287	A 0.5 287	A 0.9 493	A 1. 493	A 0.9 493	A 0.9 493	A 0.7 493	A
50	A 0.4 235	A 0.4 235	A 0.4 235	A 0.7 235	A 0.6 235	A 0.6 235	A 0.6 429	A 0.6 429	A 0.6 429	A 0.6 429	A 0.5 429	A
51	A 0.2 163	A 0.2 163	A 0.2 163	A 0.3 163	A 0.3 163	A 0.3 163	A 0.4 313	A 0.4 313	A 0.4 313	A 0.4 313	A 0.3 313	A
52	A 0.3 150	A 0.3 150	A 0.4 150	A 0.4 150	A 0.3 150	A 0.3 150	A 0.3 150	A 0.3 150	A 0.3 150	A 0.2 150	A 0.2 150	A
53	A 0.3 109	A 0.3 109	A 0.3 109	A 0.3 109	A 0.2 109	A 0.2 109	A 0.2 109	A 0.2 109	A 0.2 109	A 0.2 109	A 0.2 109	A
54	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
55	A 0.3 156	A 0.3 156	A 0.3 156	A 0.4 156	A 0.4 156	A 0.5 156	A 0.7 156	A 0.7 156	A 0.7 156	A 0.6 156	A 0.5 156	A
56	C 0.2 252	C 0.2 252	C 0.2 252	C 0.2 273	C 0.2 273	C 0.2 273	A 7.2 391	A 8.8 391	A 10.9 391	A 6.7 391	A 5.3 391	A
57	C 0.1 255	C 0.1 255	C 0.1 255	C 0.3 269	C 0.3 269	C 0.3 269	A 20.5 595	A 19.3 595	A 18.6 595	A 17.9 595	A 13.5 595	A
58	C 2.9 545	C 2.9 545	C 3. 545	C 5.3 551	C 5.2 551	C 5.5 551	A 7.7 344	A 7.8 344	A 8.3 338	A 7.5 338	A 5.6 338	A
59	C 0.1 134	C 0.1 134	C 0.1 134	C 0.1 134	C 0.1 134	C 0.1 134	A 0.2 96	A 0.2 96	A 0.2 96	A 0.2 96	A 0.2 96	A
60	C 0. 131	C 0. 131	C 0. 131	C 0. 131	C 0. 131	C 0. 131	A 0.2 97	A 0.2 97	A 0. 97	A 0. 97	A 0. 97	A
61	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
62	C 0.2 300	C 0.2 300	C 0.2 300	C 0.3 300	C 0.3 300	C 0.3 300	A 2.1 278	A 2.3 278	A 2. 278	A 1.9 278	A 1.6 278	A
63	C 1.5 351	C 1.3 351	C 1.4 351	C 2.1 351	C 2.1 351	C 2.6 351	A 10.9 381	A 10.1 381	A 10.9 381	A 8.2 381	A 6.2 381	A
64	C 1.2 411	C 1.2 411	C 1.3 411	C 2. 411	C 1.9 411	C 2.6 411	A 10.8 383	A 10.5 383	A 10. 383	A 8.5 383	A 6.6 383	A

Table 136 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
65	C 1. 538	C 1.2 538	C 1.2 538	C 1.7 538	C 1.7 538	C 1.8 538	A 3.5 474	A 3.5 474	A 2.5 471	A 2.6 471	A 2.1 471	A
66	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
67	C 0. 87	C 0. 87	C 0. 87	C 0. 87	C 0. 87	C 0. 87	A 0.4 113	A 0.4 113	A 0.3 113	A 0.3 113	A 0.3 113	A
68	A 0.1 107	A 0.1 107	A 0.1 107	A 0.1 107	A 0.1 107	A 0.1 107	A 22. 226	A 21.8 226	A 20.3 236	A 21.8 240	F 0 0	F
69	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 2.2 240	A 2.2 240	B 2.2 268	B 3.9 283	B 2.8 268	B
70	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
71	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
72	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A
73	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A
74	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A
75	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A
76	A 0.3 114	A 0.3 114	A 0.3 114	A 0.4 114	A 0.4 114	A 0.5 114	A 0.8 114	A 0.7 114	A 0.6 114	A 0.4 114	A 0.4 114	A
77	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
78	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A
79	A 0.1 64	A 0.1 64	A 0.1 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A
80	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A
81	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A
82	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A
83	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A
84	A 0.1 75	A 0. 75	A 0. 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A
85	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A 0.1 116	A
86	A 0.4 148	A 0.4 148	A 0.4 148	A 0.3 150	A 0.3 150	A 0.4 150	A 0.4 157	A 0.4 173	A 0.4 173	A 0.3 157	A 0.3 157	A
87	C 0.4 349	C 0.4 349	C 0.4 349	C 0.6 349	C 0.6 349	C 0.6 349	C 1.1 349	C 1.1 349	C 1. 349	C 0.9 349	F 0 0	C
88	C 0.3 243	C 0.3 243	C 0.3 243	C 0.4 243	C 0.4 243	C 0.4 243	C 0.7 243	C 0.8 243	C 0.7 243	C 0.6 243	C 0.5 243	C
89	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A
90	A 0.2 249	A 0.2 249	A 0.2 249	A 0.4 249	A 0.4 249	A 0.4 249	A 20.3 260	A 21. 260	A 19.6 258	A 23.8 258	F 0 0	F
91	A 0.1 207	A 0.1 207	A 0.1 207	A 0.1 207	A 0.1 207	A 0.1 207	A 3.4 167	A 3.4 167	A 3.2 167	A 4.2 167	F 0 0	F
92	A 0.2 292	A 0.2 292	A 0.2 292	A 0.3 292	A 0.3 292	A 0.3 292	A 4.1 352	A 4.2 352	A 4. 352	A 4.2 352	A 3.4 352	A
93	A 0.6 270	A 0.5 270	A 0.6 270	A 0.9 270	A 0.8 270	A 0.9 270	A 1.2 354	A 1.3 354	A 1.2 354	A 1.2 354	A 1. 354	A
94	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
95	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
96	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 2.8 55	F 0 0	F 0 0	F
97	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A
98	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A

Table 136 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
99	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A

## 2.135 5\_Inverse\_trig\_functions\5.1bInversecosine\5.1.2(dx)^m(a+barccos(cx))^n

Table 137: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0.1 54	A 0.1 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54
2	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51
3	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
4	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 73
5	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74
6	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35
7	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
8	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69
9	A 0.1 139	A 0.1 139	A 0.1 139	A 0.1 139	A 0.1 139	A 0.1 139	A 0.2 139	A 0.1 139	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 144
10	A 0.6 165	A 0.6 165	A 0.6 165	A 0.8 165	A 0.8 165	A 0.8 165	B 2.8 509	B 2.4 501	B 2.6 507	B 2.1 507	F 0 0	F 0 0	F 0 0
11	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69
12	A 0.2 115	A 0.3 115	A 0.3 115	A 0.4 115	A 0.4 115	A 0.5 115	A 0.7 115	A 0.6 115	A 0.5 115	A 0.4 115	A 0.4 115	A 0.3 115	A 0.3 115
13	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
14	A 0.1 70	A 0.1 70	A 0.1 70	A 0.2 70	A 0.2 70	A 0.2 70	A 0.2 70	A 0.2 70	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83
15	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0.1 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63
16	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.2 86	A 0.2 86	A 0.2 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86
17	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
18	C 0. 69	C 0. 69	C 0. 69	C 0. 76	C 0. 76	C 0. 76	A 0.1 44	A 0.1 44	A 0.1 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44
19	C 0.1 194	C 0.1 194	C 0.1 194	C 0.2 212	C 0.2 212	C 0.2 212	A 2.4 180	A 2.3 180	A 2.8 183	A 2. 183	A 1.9 183	A 1.5 183	A 1.5 183
20	C 0.1 131	C 0.1 131	C 0.1 131	C 0.1 140	C 0.1 140	C 0.2 140	A 0.9 130	A 0.9 130	A 1. 132	A 0.8 132	A 0.8 132	A 0.6 132	A 0.6 132
21	C 0. 68	C 0. 68	C 0. 68	C 0. 68	C 0. 68	C 0. 68	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
22	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
23	C 0. 86	C 0. 86	C 0. 86	C 0. 86	C 0. 86	C 0. 86	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59
24	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
25	C 0.7 203	C 0.6 203	C 0.6 203	C 0.9 203	C 0.9 203	C 1.1 203	A 1. 109	A 1. 109	A 0.5 124	A 0.4 124	A 0.4 124	A 0.3 124	A 0.3 124
26	C 0.2 122	C 0.2 122	C 0.2 122	C 0.3 122	C 0.3 122	C 0.3 122	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69
27	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
28	C 2.5 264	C 2.9 264	C 2.9 264	C 4.2 264	C 4.2 264	C 8. 264	A 1.3 128	A 1.4 128	A 1.1 145	A 0.9 145	A 0.9 145	A 0.7 145	A 0.7 145
29	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0.1 56	A 0.1 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56
30	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58



Table 137 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76
32	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56
33	A 0.2 72	A 0.2 72	A 0.2 72	A 0.2 72	A 0.2 72	A 0.2 72	A 0.2 72	A 0.2 72	A 0.2 72	A 0.2 72	A 0.2 72	A 0.2 72	A 0.1 72
34	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
35	A 0.3 169	A 0.3 169	A 0.3 169	A 0.5 169	A 0.5 169	A 0.5 169	A 0.7 169	A 0.7 169	A 0.6 169	A 0.5 169	A 0.5 169	A 0.4 169	A 0.4 169
36	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
37	C 1.6 289	C 1.8 289	C 1.8 289	C 2.5 295	C 2.4 295	C 3. 295	A 1.7 160	A 1.8 160	A 1.7 168	A 1.7 168	A 1.5 168	A 1.2 168	A 1.2 168
38	A 2.1 187	A 2.2 187	A 2.3 187	A 2.2 201	A 2.1 201	A 3. 201	A 3.8 201	A 5.1 201	A 3.5 195	A 3.3 195	A 2.6 195	A 2.2 195	A 2.2 195
39	C 1.4 372	C 1.2 372	C 1.3 372	C 4.5 383	C 4.3 383	C 6. 383	A 3.7 208	A 3.6 208	A 4.6 202	A 3.8 202	A 3. 202	A 2.5 202	A 2.5 202
40	C 0.3 225	C 0.3 225	C 0.3 225	C 0.4 225	C 0.4 225	C 0.5 225	A 0.5 187	A 0.5 187	A 0.5 187	A 0.4 187	A 0.4 187	A 0.4 187	A 0.4 184
41	C 0.4 273	C 0.3 273	C 0.3 273	C 0.5 273	C 0.5 273	C 0.5 273	A 3.2 271	A 3.2 271	A 3. 271	A 2.7 271	A 2.3 271	A 1.8 271	A 1.8 271
42	F 0 0	F 0 0	F 0 0	A 0.4 124	A 0.3 124	A 0.3 124	A 0.5 124	A 0.5 124	A 0.5 124	A 0.4 124	A 0.4 124	A 0.3 124	A 0.3 124
43	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
44	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
45	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
46	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

## 2.136 5\_Inverse\_trig\_functions\5.1bInversecosine\5.1.5Inversecosinefunctions

Table 138: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.9 320	A 0.9 320	A 1. 320	A 1.4 320	A 1.5 320	A 1.5 320	A 2.1 320	A 2.2 320	A 2.5 319	A 2.1 319	A 1.8 319	A
2	A 1.3 337	A 1.2 337	A 1.3 337	A 1.7 337	A 1.6 337	A 1.9 337	A 2.9 337	A 2.9 337	A 2.7 341	A 2.2 341	A 1.9 341	A
3	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
4	B 20.8 2330	B 24.7 2330	B 25.2 2330	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	B 41.7 2330	F 0 0	F
5	B 3.4 1248	B 3.7 1248	B 3.9 1248	B 6. 1248	B 5.7 1248	B 15.1 1248	B 21.3 1248	B 20.7 1248	B 18.7 1248	B 6.7 1248	F 0 0	F
6	A 0. 246	A 0. 246	A 0. 246	A 0. 246	A 0. 246	A 0. 246	F 0 0	A 149.2 389	A 7.7 389	A 2.6 389	F 0 0	F
7	A 0.1 121	A 0.1 121	A 0.1 121	A 0.2 121	A 0.2 111	A 0.2 111	A 0.3 121	A 0.2 121	A 0.2 121	A 0.2 121	A 0.1 121	A
8	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.2 105	A 0.2 105	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A
9	C 0.1 120	C 0.1 120	C 0.1 120	C 0.2 120	C 0.2 120	C 0.4 216	C 0.6 216	C 0.3 120	C 0.3 120	C 0.2 120	C 0.4 139	C
10	C 0.2 162	C 0.2 162	C 0.2 162	C 0.3 162	C 0.3 162	C 0.5 277	C 0.7 277	C 0.5 162	C 0.5 162	C 0.5 162	C 0.5 178	C
11	A 0.1 126	A 0.1 126	A 0.1 126	A 0.2 126	A 0.2 126	A 0.3 126	A 0.4 126	A 0.4 126	A 0.2 138	A 0.2 138	A 0.1 138	A
12	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A
13	A 0. 40	A 0. 40	A 0. 40	A 0.1 40	A 0. 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A
14	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A
15	C 0. 34	C 10. 34	C 10. 34	C 0. 34	C 0. 34	C 0. 34	C 0.1 56	C 0.1 56	C 0.1 56	C 0.1 56	C 0.1 56	C
16	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A
17	B 0.1 58	B 0.1 84	B 0.1 84	B 0.1 84	B 0.1 84	B 0.1 84	B 0.2 84	B 0.1 58	B 0.1 58	B 0.1 58	B 0.1 58	B
18	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A
19	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A
20	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0. 41	A 0. 41	A
21	A 0.9 192	A 1. 192	A 1. 192	A 1.1 200	A 1. 200	A 1.3 200	A 1.8 200	A 1.8 200	A 1.6 210	A 1.5 210	A 1.3 210	A
22	A 0.7 212	A 0.7 212	A 0.7 212	A 0.8 234	A 0.8 234	A 0.8 234	A 1.2 234	A 1.3 234	A 1.1 234	A 1.1 234	A 0.9 234	A
23	A 1.5 248	A 1.6 248	A 1.6 248	A 2.3 256	A 2.3 256	A 2.8 256	A 3.9 256	A 4. 256	A 4.3 256	A 3.6 256	A 3. 256	A
24	A 0.1 149	A 0.1 149	A 0.1 149	A 0.1 157	A 0.1 157	A 0.2 157	A 0.3 157	A 0.3 157	A 0.3 157	A 0.1 157	A 0.1 157	A
25	A 0.4 181	A 0.5 181	A 0.5 181	A 0.4 161	A 0.3 161	A 0.4 161	A 0.5 161	A 0.5 161	A 0.5 161	A 0.4 161	A 0.4 161	A
26	A 0.6 232	A 0.7 232	A 0.7 232	A 0.6 309	A 0.6 309	A 0.6 309	A 0.9 309	A 0.9 309	A 0.8 309	A 0.8 309	A 0.7 309	A
27	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
28	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0.1 5	A 0.1 5	A 0.1 5	A 0.1 5	A 0. 5	A 0. 5	A

## 2.137 5\_Inverse\_trig\_functions\5.2aInversetangent\5.2.1.1(dx)^m(a+barctan(cx))^n

Table 139: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51
2	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
3	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56
4	A 0. 132	A 0.1 132	A 0.1 132	A 0. 128	A 0. 128	A 0. 128	A 0.1 132	A 0.1 132	A 0.1 132	A 0.1 132	A 0.1 132	A 0.1 132	A 0. 109
5	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62
6	A 0.1 133	A 0.2 133	A 0.2 133	A 0.2 133	A 0.2 133	A 0.2 133	A 0.3 133	A 0.2 133	A 0.2 133	A 0.2 133	A 0.2 133	A 0.2 133	A 0.2 133
7	A 0.1 180	A 0.1 180	A 0.1 180	A 0. 195	A 0. 195	A 0. 195	A 0.1 180	A 0.1 180	A 0.1 180	A 0.1 180	A 0.1 180	A 0.1 180	A 0.1 180
8	A 0.1 95	A 0.1 95	A 0.1 95	A 0.2 95	A 0.1 95	A 0.1 95	A 0.2 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95
9	A 0.1 89	A 0.1 89	A 0.1 89	A 0.2 89	A 0.2 89	A 0.2 89	A 0.2 89	A 0.2 89	A 0.2 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91
10	A 0.4 223	A 0.4 223	A 0.5 228	A 0.7 223	A 0.6 223	A 0.8 223	A 0.9 223	A 0.7 223	A 0.6 223	A 0.7 223	A 0.6 223	A 0.5 223	A 0.5 223
11	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
12	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53

2.138 5\_Inverse\_trig\_functions\5.2aInversetangent\5.2.1.2(fx)^m(d-c^2dx^2)^p(a+barctan(cx))^n

Table 140: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	g
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	
2	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	
3	A 0. 99	A 0. 99	A 0. 99	A 0. 99	A 0. 99	A 0. 99	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	
4	A 0. 78	A 0. 78	A 0. 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	
5	A 0.2 90	A 0.2 90	A 0.2 90	A 0.3 90	A 0.2 90	A 0.3 90	A 0.3 90	A 0.2 90	A 0.2 90	A 0.2 90	A 0.2 90	
6	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0. 79	
7	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	
8	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0. 94	A 0. 94	A 0. 94	
9	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0. 124	A 0. 124	
10	A 0.1 142	A 0.1 142	A 0.1 142	A 0.1 142	A 0.1 142	A 0.1 142	A 0.1 142	A 0.1 142	A 0.1 142	A 0.1 142	A 0.1 142	
11	A 1.9 278	A 2. 278	A 2.1 278	A 3.1 278	A 2.9 278	A 3.4 278	A 6.4 278	A 5. 278	A 3.6 283	A 3.1 283	A 2.8 277	
12	B 10.3 907	B 10.9 907	B 10.6 907	B 15.3 1059	B 15.1 1059	B 17.7 1780	B 20.4 1780	B 19.7 1780	B 18.1 1792	B 16.7 1792	B 16.5 1781	
13	A 0.2 111	A 0.1 111	A 0.1 111	A 0.2 111	A 0.2 111	A 0.2 111	A 0.3 111	A 0.3 111	A 0.3 111	A 0.3 111	A 0.2 111	
14	A 2.7 491	A 2.9 491	A 3.1 491	A 4.2 491	A 4.1 491	A 6.2 491	A 8.6 491	A 6.4 491	A 6.7 590	A 6. 590	A 3.9 584	
15	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.2 91	A 0.2 91	A 0.2 91	A 0.2 91	A 0.1 91	A 0.1 91	
16	A 0.6 165	A 0.6 165	A 0.7 165	A 0.8 165	A 0.7 165	A 0.7 165	A 1.1 165	A 0.8 165	A 0.7 165	A 0.8 165	A 0.5 165	
17	A 0.1 107	A 0.1 107	A 0.1 107	A 0.1 107	A 0.1 107	A 0.1 107	A 0.2 107	A 0.2 107	A 0.2 107	A 0.1 107	A 0.1 107	
18	A 0.2 234	A 0.2 234	A 0.2 234	A 0.4 234	A 0.3 234	A 0.4 234	A 1.7 282	A 1.6 282	A 1.5 282	A 0.9 282	A 0.7 282	
19	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.2 84	A 0.2 84	A 0.1 84	A 0.1 84	A 0.1 84	
20	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
21	A 0.4 104	A 0.5 104	A 0.5 104	A 0.7 104	A 0.7 104	A 0.6 104	A 0.9 104	A 0.8 104	A 0.7 104	A 0.6 104	A 0.6 104	
22	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 123	A 0.1 121	A 0.1 121	A 0.1 122	A 0.1 122	A 0.1 122	
23	A 0.9 133	A 0.9 133	A 0.9 133	A 1.3 133	A 1.3 133	A 1.2 133	A 2. 133	A 1.5 133	A 1.4 133	A 1.3 133	A 1.1 133	
24	A 0.5 112	A 0.5 112	A 0.5 112	A 0.7 112	A 0.7 112	A 0.8 112	A 1. 112	A 0.9 112	A 0.7 112	A 0.7 112	A 0.6 112	
25	A 0.2 226	A 0.2 226	A 0.2 226	A 0.3 226	A 0.3 226	A 0.4 226	A 0.5 226	A 0.4 226	A 0.4 226	A 0.2 226	A 0.2 226	
26	A 0.3 252	A 0.4 252	A 0.4 252	A 0.6 252	A 0.5 252	A 0.6 252	A 0.6 252	A 0.6 252	A 0.5 252	A 0.5 252	A 0.5 252	
27	A 0.2 90	A 0.2 90	A 0.2 90	A 0.3 90	A 0.3 90	A 0.3 90	A 0.4 90	A 0.3 90	A 0.3 90	A 0.3 90	A 0.2 90	
28	A 0.3 120	A 0.4 120	A 0.3 120	A 0.4 120	A 0.4 120	A 0.4 120	A 0.5 120	A 0.5 120	A 0.4 120	A 0.4 120	A 0.4 120	
29	A 0.3 109	A 0.3 109	A 0.3 109	A 0.4 109	A 0.3 109	A 0.4 109	A 0.3 109	A 0.3 109	A 0.3 109	A 0.2 109	A 0.2 109	
30	A 0.4 183	A 0.4 183	A 0.9 159	A 0.7 183	A 0.6 183	A 0.7 183	A 0.8 183	A 0.7 183	A 0.6 183	A 0.5 183	A 0.5 183	

Table 140 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95	A	0.1	95
32	A	0.9	267	A	1.	267	A	1.	267	A	1.3	267	A	1.2	267	A	1.5	267	A	8.7	603	A	5.2	599	A	5.2	599	A	3.6	599	F	0	0
33	A	0.2	250	A	0.3	250	A	0.3	250	A	0.3	250	A	0.3	250	A	0.3	250	A	0.3	250	A	0.3	250	A	0.3	250	A	0.2	250	A	0.2	250
34	A	0.6	209	A	0.7	209	A	0.7	209	A	0.9	209	A	0.8	209	A	0.9	209	A	1.4	209	A	1.1	209	A	1.	209	A	0.9	209	A	0.8	209
35	A	0.8	226	A	0.8	226	A	0.8	226	A	1.2	226	A	1.1	226	A	1.1	226	A	1.6	226	A	1.2	226	A	1.1	226	A	1.1	226	A	0.5	188
36	A	1.6	371	A	1.7	371	A	1.8	371	A	2.4	371	A	2.3	371	A	2.6	371	A	3.7	371	A	2.7	371	A	2.4	371	A	2.6	371	A	2.	371
37	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80	A	0.1	80
38	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	71	A	0.1	71
39	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
40	A	0.5	135	A	0.5	135	A	0.5	135	A	0.7	135	A	0.7	135	A	0.7	135	A	1.	135	A	0.9	135	A	0.8	135	A	0.7	135	A	0.6	135
41	A	0.1	101	A	0.1	101	A	0.1	101	A	0.1	101	A	0.1	101	A	0.1	101	A	0.2	101	A	0.1	101	A	0.1	101	A	0.1	101	A	0.1	101
42	A	0.1	264	A	0.1	264	A	0.1	264	A	0.1	284	A	0.1	284	A	0.1	284	A	0.1	262	A	0.1	262	A	0.1	262	A	0.1	262	A	0.1	262
43	A	0.9	165	A	0.9	165	A	0.9	165	A	1.4	165	A	1.3	165	A	1.3	165	A	1.9	165	A	1.6	165	A	1.5	165	A	1.4	165	A	1.3	165
44	A	0.8	233	A	0.8	233	A	0.9	233	A	1.3	233	A	1.2	233	A	1.2	233	A	1.6	233	A	1.3	233	A	1.2	233	A	1.3	233	A	1.2	233
45	A	0.5	131	A	0.5	131	A	0.6	131	A	0.8	131	A	0.8	131	A	0.8	131	A	1.1	131	A	0.9	131	A	0.9	131	A	0.8	131	A	0.7	131
46	A	0.4	195	A	0.4	195	A	0.4	195	A	0.7	195	A	0.6	195	A	0.6	195	A	0.9	195	A	0.7	195	A	0.7	195	A	0.6	195	A	0.6	195
47	A	0.2	154	A	0.2	154	A	0.2	154	A	0.3	154	A	0.3	154	A	0.3	154	A	0.3	154	A	0.3	154	A	0.3	154	A	0.2	154	A	0.2	154
48	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16	A	0.	16
49	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.	71	A	0.	71
50	A	0.4	366	A	0.5	366	A	0.5	366	A	0.7	366	A	0.6	366	A	0.7	366	A	1.1	366	A	0.7	366	A	0.7	366	A	0.6	366	A	0.4	366
51	A	2.3	768	A	2.2	768	A	2.3	768	A	3.4	768	A	3.3	768	A	3.4	768	A	5.5	768	A	4.6	768	A	3.3	768	A	2.9	768	A	2.5	697
52	B	12.6	2105	B	12.7	2105	B	12.7	2105	B	12.8	2105	B	12.8	2105	B	12.9	2105	B	18.2	3371	B	17.5	2656	B	18.1	2656	B	15.5	2656	B	15.1	2656
53	A	9.1	1508	A	9.1	1508	A	9.3	1508	A	10.5	1508	A	10.3	1508	A	10.4	1508	A	13.4	1508	A	11.9	1508	A	11.7	1508	A	10.1	1508	A	9.6	1041
54	B	24.6	6517	B	24.6	6517	B	24.6	6517	B	24.4	6517	B	24.4	6517	B	24.4	6517	B	24.4	6517	B	24.4	6517	B	24.4	6517	B	24.3	6517	B	24.3	6517
55	B	18.8	4281	B	18.8	4281	B	18.8	4281	B	18.9	4281	B	18.9	4281	B	18.9	4281	B	23.9	4832	B	22.1	4832	B	23.1	4832	B	21.6	4832	B	21.2	4832
56	A	3.9	812	A	4.1	812	A	4.2	812	A	6.9	812	A	6.4	812	A	8.5	812	A	10.6	812	A	6.8	812	A	8.	812	A	5.6	812	A	5.	812
57	A	1.1	301	A	1.1	301	A	1.2	301	A	1.5	301	A	1.5	301	A	1.6	301	A	2.3	301	A	1.8	301	A	1.6	301	A	1.6	301	A	0.6	264
58	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104
59	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104	A	0.1	104
60	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
61	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
62	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
63	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	A	1.2	24	F	0	0
64	A	0.1	12	A	0.1	12	A	0.1	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12	A	0.	12

Table 140 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	g
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	g
65	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
66	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
67	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
68	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	B 7.3 106	F 0 0	F 0 0
69	A 0. 17	A 0.1 17	A 0.1 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
70	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
71	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
72	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	B 37.2 279	F 0 0	F 0 0
73	A 0.1 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0. 27	A 0. 27
74	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
75	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
76	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
77	A 0.1 51	A 0.1 51	A 0.1 51	A 0.2 51	A 0.2 51	A 0.2 51	A 0.1 51	A 0.2 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51
78	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50
79	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
80	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
81	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
82	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
83	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
84	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
85	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83
86	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
87	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
88	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
89	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
90	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55
91	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
92	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
93	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
94	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
95	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
96	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
97	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
98	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

Table 140 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	g
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
99	A 0.2 72	A 0.2 72	A 0.2 72	A 0.3 72	A 0.2 72	A 0.2 72	A 0.2 72	A 0.2 72	A 0.1 106	A 0.1 106	A 0.1 106	
100	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
101	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
102	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
103	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
104	A 0.2 102	A 0.2 102	A 0.2 102	A 0.3 102	A 0.2 102	A 0.2 102	A 0.3 102	A 0.3 102	A 0.3 102	A 0.3 102	A 0.3 102	
105	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
106	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
107	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
108	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
109	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
110	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	A 2.9 70	F 0 0	F 0 0	
111	C 0.2 136	C 0.2 136	C 0.3 136	C 0.3 136	C 0.3 136	C 0.3 136	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	
112	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
113	C 0.5 192	C 0.5 192	C 0.5 192	C 0.5 192	C 0.4 192	C 0.5 192	A 0.5 103	A 0.5 103	A 0.3 139	A 0.2 139	A 0.2 139	
114	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
115	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
116	C 0.1 121	C 0.1 121	C 0.2 121	C 0.2 121	C 0.2 121	C 0.2 121	A 0.2 75	A 0.2 75	A 0.2 75	A 0.1 75	A 0.1 75	
117	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
118	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
119	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
120	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
121	C 0.3 187	C 0.4 187	C 0.4 187	C 0.4 187	C 0.3 187	C 0.4 187	A 0.2 92	A 0.2 92	A 0.1 101	A 0.1 101	A 0.1 101	
122	C 0.4 186	C 0.4 186	C 0.4 186	C 0.3 186	C 0.3 186	C 0.4 186	A 0.2 90	A 0.1 90	A 0.1 96	A 0.1 96	A 0.1 96	
123	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
124	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
125	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
126	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
127	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
128	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
129	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
130	C 0.1 128	C 0.1 128	C 0.1 128	C 0.2 128	C 0.2 128	C 0.2 128	A 0.2 87	A 0.2 87	A 0.2 87	A 0.2 87	A 0.2 87	
131	C 0.1 131	C 0.1 131	C 0.1 131	C 0.2 131	C 0.1 131	C 0.2 131	A 0.2 86	A 0.2 86	A 0.2 86	A 0.1 86	A 0.1 86	
132	C 0.4 338	C 0.4 338	C 0.4 338	C 0.6 338	C 0.6 338	C 0.6 338	A 0.5 149	A 0.5 149	A 0.5 149	A 0.4 149	A 0.4 149	

Table 140 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	g
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
133	C 0.8 261	C 0.8 261	C 0.8 261	C 1.1 261	C 1.1 261	C 1.3 261	A 0.6 147	A 0.6 147	A 0.5 147	A 0.5 147	A 0.4 147	
134	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
135	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
136	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
137	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
138	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	A 3. 61	F 0 0	F 0 0	
139	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	A 3.2 33	F 0 0	F 0 0	
140	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	
141	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
142	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
143	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
144	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
145	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
146	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
147	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
148	C 0.2 139	C 0.2 139	C 0.2 139	C 0.2 139	C 0.2 139	C 0.2 139	A 0.2 94	A 0.2 94	A 0.2 94	A 0.2 94	A 0.2 94	
149	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
150	C 0.9 293	C 0.9 293	C 0.9 293	C 1.2 293	C 1.1 293	C 1.5 293	A 0.7 176	A 0.7 176	A 0.6 176	A 0.6 176	A 0.5 176	
151	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
152	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
153	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
154	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
155	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
156	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0. 31	A 0. 31
157	C 0.3 122	C 0.3 122	C 0.3 122	C 0.2 122	C 0.2 122	C 0.2 122	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43
158	C 0.1 133	C 0.1 133	C 0.1 133	C 0.1 133	C 0.1 133	C 0.1 133	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60
159	C 0.5 229	C 0.5 229	C 0.5 229	C 0.5 229	C 0.4 229	C 0.5 229	A 0.2 72	A 0.2 72	A 0.2 72	A 0.1 72	A 0.1 72	A 0.1 72
160	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
161	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
162	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
163	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
164	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
165	C 0.2 159	C 0.2 159	C 0.2 159	C 0.2 159	C 0.2 159	C 0.2 159	A 0.2 95	A 0.2 95	A 0.2 95	A 0.2 95	A 0.2 95	A 0.2 95
166	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	



Table 140 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
167	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
168	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
169	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
170	C	0.4	112	C	0.4	112	C	0.4	112	C	0.4	112	C	0.4	112	C	0.4	112	A	0.2	85	A	0.2	85	A	0.2	85	A	0.2	85	A	0.2	85
171	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
172	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
173	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
174	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
175	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
176	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
177	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
178	C	0.5	241	C	0.5	241	C	0.6	241	C	0.5	241	C	0.5	241	C	0.5	241	A	0.5	149	A	0.5	149	A	0.5	149	A	0.5	149	A	0.4	149
179	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
180	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
181	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
182	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
183	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
184	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88	A	0.1	88
185	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
186	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
187	C	0.1	124	C	0.2	124	C	0.2	124	C	0.2	124	C	0.2	124	C	0.2	124	A	0.2	91	A	0.2	91	A	0.2	91	A	0.2	91	A	0.1	91
188	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
189	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
190	C	0.7	255	C	0.7	255	C	0.8	255	C	0.9	255	C	0.9	255	C	1.	255	A	0.6	160	A	0.6	160	A	0.5	160	A	0.5	160	A	0.5	160
191	C	0.4	300	C	0.4	300	C	0.4	300	C	0.5	300	C	0.5	300	C	0.6	300	A	0.5	148	A	0.5	148	A	0.5	148	A	0.4	148	A	0.4	148
192	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
193	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20
194	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38
195	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38
196	A	0.	98	A	0.	98	A	0.	98	A	0.	98	A	0.	98	A	0.	98	A	0.	98	A	0.	98	A	0.	98	A	0.	98	A	0.	98
197	A	0.1	181	A	0.1	181	A	0.1	181	A	0.2	181	A	0.1	181	A	0.2	181	C	1.1	420	C	1.2	420	C	1.3	456	C	0.7	456	C	0.6	456
198	A	0.6	552	A	0.7	552	A	0.7	552	A	1.1	552	A	1.	552	A	1.3	552	B	7.7	1417	B	8.4	1417	B	7.5	1417	A	3.6	1284	A	3.9	1288
199	A	4.3	1217	A	4.6	1217	A	4.8	1217	A	7.1	1217	A	6.6	1213	A	8.	1213	A	11.3	1213	A	10.9	1213	A	11.	1213	A	7.3	1213	F	0	0

2.139 5\_Inverse\_trig\_functions\5.2aInversetangent\5.2.1.3(fx)^m(dx^2)^p(a+barctan(cx))^n

Table 141: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 119	A 0. 119	A 0. 119	A 0. 119	A 0. 119	A 0. 119	A 0. 119	A 0. 119	A 0. 119	A 0. 119	A 0. 119	A 0. 119
2	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0.1 78	A 0.1 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78
3	A 0. 98	A 0. 98	A 0. 98	A 0. 98	A 0. 98	A 0. 98	A 0. 104	A 0. 104	A 0. 104	A 0. 104	A 0. 104	A 0. 104
4	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.1 140	A 0.4 140	A 0.4 140	A 0.3 141	A 0.2 141	A 0.2 141	A 0.2 141
5	C 0.1 118	C 0.1 118	C 0.1 118	C 0.1 118	C 0.1 118	C 0.1 118	A 0.2 114	A 0.2 114	A 0.1 109	A 0.1 109	A 0.1 109	A 0.1 109
6	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 119
7	A 0.1 149	A 0.1 149	A 0.1 149	A 0.1 149	A 0.1 149	A 0.1 149	A 0.1 153	A 0.1 153	A 0.2 154	A 0.2 154	A 0.1 154	A 0.1 154
8	A 6.6 522	A 6.9 522	A 7. 522	A 8.8 522	A 8.3 522	A 9.2 522	A 11.3 522	A 11. 522	A 10.4 522	A 9. 522	F 0 0	F 0 0
9	A 12.4 906	A 12.7 992	A 12.7 992	A 13. 992	A 13. 982	A 13. 982	A 12.7 982	A 12.7 982	A 12.6 982	A 12.6 982	A 12.6 982	A 12.4 906
10	A 3.2 158	A 3. 158	A 2.3 158	A 3.7 158	A 3.2 158	A 3.3 158	A 2.1 158	A 2.1 158	A 2. 158	A 2. 158	A 2. 158	A 1.4 158
11	A 1. 131	A 0.8 131	A 0.7 131	A 1.2 131	A 1. 131	A 1.1 131	A 1.1 131	A 1.1 131	A 1.1 131	A 1. 131	A 0.9 131	A 0.7 131
12	A 8.4 645	A 8.7 645	A 8.7 645	A 13.8 645	A 12.9 645	A 15.9 645	A 25.7 645	A 25.9 645	A 23.6 678	A 17.9 678	F 0 0	F 0 0
13	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
14	C 0.3 251	C 0.3 251	C 0.3 251	C 0.4 251	C 0.4 251	C 0.5 251	C 0.7 251	C 0.8 251	C 0.7 251	C 0.5 251	C 0.5 251	C 0.4 251
15	C 0.3 247	C 0.3 247	C 0.3 247	C 0.4 247	C 0.4 247	C 0.5 247	C 0.6 247	C 0.7 247	C 0.6 247	C 0.5 247	C 0.5 247	C 0.4 247
16	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
17	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
18	C 0.2 202	C 0.2 202	C 0.2 202	C 0.3 202	C 0.3 202	C 0.3 202	C 0.5 202	C 0.5 202	C 0.4 202	C 0.3 202	C 0.3 202	C 0.2 202
19	C 0.5 345	C 0.5 345	C 0.5 345	C 1. 345	C 0.8 345	C 0.9 345	C 1.2 345	C 1.3 345	C 1. 345	C 1.5 345	C 0.9 345	C 0.7 345
20	C 0.8 450	C 0.8 450	C 0.8 450	C 1.6 450	C 1.4 450	C 1.6 450	C 2.3 450	C 2.3 450	C 1.8 457	C 3.6 457	C 1.4 457	C 1.2 457
21	A 0.3 264	A 0.4 264	A 0.3 264	A 0.6 264	A 0.6 264	A 0.7 264	A 2.3 366	A 3.1 366	A 1.4 351	A 1.3 351	A 1.1 351	A 1. 351
22	A 0.1 193	A 0.1 193	A 0.1 193	A 0.2 193	A 0.2 193	A 0.2 193	A 1. 224	A 1.1 224	A 0.9 224	A 0.7 224	A 0.6 224	A 0.5 224
23	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
24	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
25	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
26	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
27	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	B 8.3 1880	A 4.3 523	A 4.3 441	A 3.4 441	A 2.9 441	A 2.3 441

## 2.140 5\_Inverse\_trig\_functions\5.2aInversetangent\5.2.1.4Inversetangentfunctions

Table 142: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.6 224	A 0.7 224	A 0.7 224	A 0.9 224	A 0.8 224	A 0.9 224	A 1.2 224	A 1. 224	A 0.9 224	A 0.8 224	A 0.8 224	A 0.7 224
2	A 0. 109	A 0. 109	A 0. 109	A 0. 109	A 0. 109	A 0. 109	A 0.2 157	A 0.1 157	A 0.1 157	A 0.1 157	A 0.1 157	A 0.2 157
3	C 0.1 194	C 0.1 194	C 0.1 194	C 0.1 192	C 0.1 192	C 0.1 192	A 0.9 217	A 0.7 217	A 0.7 217	A 0.6 217	A 1.6 240	A 1.5 240
4	C 0. 248	C 0. 248	C 0. 248	C 0.1 248	C 0.1 248	C 0.1 248	A 1.5 239	A 1.2 239	A 1.1 239	A 0.9 239	A 0.9 239	A 0.8 239
5	A 0. 133	A 0. 133	A 0. 133	A 0. 133	A 0. 133	A 0. 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0. 133	A 0. 133
6	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
7	A 0. 146	A 0. 146	A 0. 146	A 0.1 146	A 0.1 146	A 0.1 146	A 0.1 146	A 0.1 146	A 0.1 146	A 0.1 146	A 0.1 146	A 0. 146
8	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37
9	A 0. 129	A 0. 129	A 0. 129	A 0. 129	A 0. 129	A 0. 129	A 0.1 129	A 0.1 129	A 0.1 131	A 0.1 131	A 0.1 131	A 0. 131
10	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33
11	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
12	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
13	C 0. 90	C 0. 90	C 0. 90	C 0. 90	C 0. 90	C 0. 90	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53
14	A 0.6 701	A 0.6 701	A 0.6 701	A 0.9 701	A 0.8 701	A 1.2 701	C 1.6 892	C 1.6 892	C 1.5 892	C 1.2 892	C 3.7 892	C 2.9 892
15	A 0. 231	A 0. 231	A 0. 231	A 0. 231	A 0. 231	A 0. 231	A 0.4 305	A 0.4 305	A 0.4 305	A 0.2 305	A 0.2 305	A 0.2 305
16	A 0.3 409	A 0.3 409	A 0.3 409	A 0.4 409	A 0.4 409	A 0.4 409	B 33. 2568	B 31.1 1501	B 32.9 2568	B 30.4 1618	F 0 0	F 0 0
17	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 125	A 0.1 125	A 0.1 125	A 0.2 125	A 0.2 125	A 0.1 125	A 0.1 125	A 0.1 125	A 0.1 125
18	B 1. 181	B 4.5 181	B 4.5 181	B 1.6 181	B 1.5 181	B 1.6 181	B 2.3 181	B 2.3 181	B 2.1 183	B 2.1 183	B 1.9 183	B 1.7 183
19	C 0.2 121	C 0.2 121	C 0.2 121	C 0.2 121	C 0.2 121	C 0.2 121	A 0.2 165	A 0.2 165	A 0.3 162	A 0.2 162	A 0.2 162	A 0.2 162
20	C 0.5 175	C 0.6 175	C 0.5 175	C 0.8 175	C 0.7 175	C 0.8 175	A 0.6 237	A 0.8 237	A 1.4 237	A 0.5 237	A 0.5 237	A 0.4 237
21	A 0.1 212	A 0.1 212	A 0.1 212	A 0.2 212	A 0.2 212	A 0.2 212	A 0.4 212	A 0.3 212	A 0.3 212	A 0.2 212	A 0.2 212	A 0.2 212
22	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
23	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0.4 51	A 0.4 51	A 0.4 51	A 0.4 51	F 0 0	F 0 0
24	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
25	A 0. 34	A 0. 34	A 0. 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0. 34	A 0. 34	A 0. 34
26	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
27	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
28	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20
29	B 5.9 872	B 6.3 872	B 6.3 872	B 17.2 872	B 15.5 872	B 21.5 872	A 19.3 92	A 19.4 92	A 18.4 92	A 9.8 92	A 0.9 92	A 0.7 92
30	A 0. 56	A 0. 56	A 0. 56	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64

Table 142 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0.1 91	A 0.1 91	A 0.1 91	A 0.2 132	A 0.2 132	A 0.2 132	A 0.2 132	A 0.2 132	A 0.2 132	A 0.1 132	A 0.1 132	A 0.1 132
32	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
33	A 0.3 375	A 0.4 375	A 0.4 375	A 3. 375	A 2.9 375	A 3.6 375	A 2. 375	A 2. 375	A 1.9 375	A 1.5 375	A 1.4 375	A 1.1 375
34	A 0.1 237	A 0.2 237	A 0.2 237	A 2. 278	A 1.8 278	A 2.3 278	A 3. 278	A 2.9 278	A 2.7 278	A 2. 278	A 0.5 278	A 0.4 278
35	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
36	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
37	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
38	A 0.4 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83
39	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0.1 144	A 0.1 144	A 0.1 144	A 0. 144	A 0. 144	A 0. 144
40	A 0.1 236	A 0.1 236	A 0.1 236	A 0.1 236	A 0.1 236	A 0.1 236	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
41	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
42	A 0. 59	A 0. 59	A 0. 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0. 59
43	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59
44	A 0. 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0. 62	A 0. 62

## 2.141 5\_Inverse\_trig\_functions\5.2aInversetangent\5.2.2.1x<sup>m</sup>(c+a<sup>2</sup>cx<sup>2</sup>)<sup>p</sup>E<sup>(narctan(ax))</sup>

Table 143: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0.6 120	A 0.5 120	A 0.3 120	A 0.3 120	A 0.3 120	A 0.3
2	C 0.3 123	C 0.2 123	C 0.2 123	C 0.3 123	C 0.3 123	C 0.3 123	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0.
3	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1
4	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0.
5	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0.3 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2
6	A 0. 102	A 0. 102	A 0. 102	A 0. 102	A 0. 102	A 0. 102	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
7	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0.4 122	A 0.4 122	A 0.3 122	A 0.3 122	A 0.3 122	A 0.2
8	C 0. 60	C 0. 60	C 0. 60	C 0. 60	C 0. 60	C 0. 60	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0.
9	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
10	A 0. 81	A 0. 81	A 0. 81	A 0.1 81	A 0. 81	A 0.1 81	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
11	A 0. 88	A 0. 88	A 0. 88	A 0. 88	A 0. 88	A 0. 88	A 0.9 105	A 0.8 105	A 0.7 105	A 0.7 105	A 0.6 105	A 0.5
12	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0. 81	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
13	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0.
14	C 0. 48	C 0. 48	C 0. 48	C 0. 48	C 0. 48	C 0. 48	A 0.1 46	A 0.1 46	A 0. 55	A 0. 55	A 0. 55	A 0.
15	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0.
16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0.
17	C 0. 71	C 0. 71	C 0. 71	C 0. 71	C 0. 71	C 0. 71	A 0.1 77	A 0.1 77	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1
18	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	C 0.1 81	C 0.1 81	C 0.1 81	C 0.1 81	C 0.1 81	C 0.1
19	A 0. 117	A 0. 117	A 0. 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.
20	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	C 0.1 116	C 0.2 116	C 0.1 116	C 0.1 116	A 0.1 94	C 0.1
21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0.
22	A 0. 48	A 0. 48	A 0. 48	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0.1 57	A 0. 57	A 0. 57	A 0. 57	A 0.
23	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.4 122	A 0.3 122	A 0.3 122	A 0.3 122	A 0.3 122	A 0.2
24	A 0.2 217	A 0.2 217	A 0.2 217	A 0.3 217	A 0.3 217	A 0.3 217	B 14.2 1283	B 13.9 1283	B 13.8 1283	B 13.8 1283	B 13.6 1283	B 13.3
25	A 0.1 176	A 0.1 176	A 0.1 176	A 0.2 187	A 0.1 187	A 0.2 187	A 0.3 93	A 0.2 93	A 0.2 93	A 0.2 93	A 0.2 93	A 0.1
26	A 0. 120	A 0. 120	A 0. 120	A 0. 120	A 0. 120	A 0. 120	A 0.8 184	A 0.6 184	A 0.6 184	A 0.5 184	A 0.5 184	A 0.4
27	A 0.1 96	A 0.1 96	A 0.1 96	A 0.2 96	A 0.2 96	A 0.2 96	A 0.2 96	A 0.2 96	A 0.2 96	A 0.1 96	A 0.1 96	A 0.1
28	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1
29	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1

## 2.142 5\_Inverse\_trig\_functions\5.2aInversetangent\5.2.2Exponentialsofinversetangent

Table 144: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0.1 56	A 0.1 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56
2	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 31
3	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 69
4	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41
5	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35
6	A 0. 80	A 0. 80	A 0. 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0. 80
7	A 0. 54	A 0. 54	A 0. 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54
8	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64
9	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42
10	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38
11	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 51
12	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
13	C 0. 82	C 0. 82	C 0. 82	C 0. 82	C 0. 82	C 0. 82	C 0.1 107	C 0.1 107	C 0.1 121	C 0.1 121	C 0.1 121	C 0.1 121	C 0.1 123
14	C 0. 41	C 0. 41	C 0. 41	C 0. 41	C 0. 41	C 0. 41	C 0.1 79	C 0.1 79	C 0.1 79	C 0.1 79	C 0.1 79	C 0.1 79	C 0.1 79
15	C 0.1 148	C 0.1 148	C 0.1 148	C 0.1 148	C 0.1 148	C 0.1 148	A 0.4 228	A 0.4 228	A 0.3 228	A 0.3 228	A 0.3 228	A 0.3 228	A 0.2 228
16	C 0. 41	C 0. 41	C 0. 41	C 0. 41	C 0. 41	C 0. 41	C 0.1 82	C 0.1 82	C 0.1 82	C 0.1 82	C 0.1 82	C 0.1 82	C 0.1 84
17	C 0. 99	C 0. 99	C 0. 99	C 0. 99	C 0. 99	C 0. 99	A 0.3 171	A 0.3 171	A 0.2 171	A 0.3 171	A 0.2 171	A 0.2 171	A 0.2 169
18	C 0. 106	C 0. 106	C 0. 106	C 0. 106	C 0. 106	C 0. 106	A 0.3 159	A 0.3 159	A 0.3 159	A 0.3 159	A 0.2 159	A 0.2 159	A 0.2 157
19	C 0. 118	C 0. 118	C 0. 118	C 0. 118	C 0. 118	C 0. 118	A 0.3 185	A 0.3 185	A 0.3 185	A 0.3 185	A 0.2 185	A 0.2 185	A 0.2 183
20	C 0. 99	C 0. 99	C 0. 99	C 0. 99	C 0. 99	C 0. 99	A 0.4 171	A 0.4 171	A 0.3 171	A 0.3 171	A 0.3 171	A 0.3 171	A 0.2 169
21	C 0. 73	C 0. 73	C 0. 73	C 0. 73	C 0. 73	C 0. 73	C 0.2 107	C 0.2 107	C 0.1 121	C 0.1 121	C 0.1 121	C 0.1 121	C 0.1 123
22	C 0. 99	C 0. 99	C 0. 99	C 0. 99	C 0. 99	C 0. 99	A 0.4 171	A 0.3 171	A 0.3 171	A 0.3 171	A 0.3 171	A 0.3 171	A 0.2 169
23	C 0. 100	C 0. 100	C 0. 100	C 0. 100	C 0. 100	C 0. 100	A 0.7 286	A 0.6 286	A 0.6 286	A 0.5 286	A 0.4 286	A 0.3 286	A 0.3 286
24	C 0. 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63	C 0. 63	A 0.5 230	A 0.4 230	A 0.4 230	A 0.3 230	A 0.3 230	A 0.3 230	A 0.2 230
25	C 0. 69	C 0. 69	C 0. 69	C 0. 69	C 0. 69	C 0. 69	A 0.3 101	A 0.3 101	A 0.3 101	A 0.2 101	A 0.2 101	A 0.2 101	A 0.2 99
26	C 0. 81	C 0. 81	C 0. 81	C 0. 81	C 0. 81	C 0. 81	A 0.3 129	A 0.3 129	A 0.2 129	A 0.2 129	A 0.2 129	A 0.2 129	A 0.2 127
27	C 0. 99	C 0. 99	C 0. 99	C 0. 99	C 0. 99	C 0. 99	A 0.5 185	A 0.4 185	A 0.4 185	A 0.4 185	A 0.3 185	A 0.2 185	A 0.2 183
28	C 0. 85	C 0. 85	C 0. 85	C 0. 85	C 0. 85	C 0.3 193	C 0.4 193	C 0.1 85	C 0. 85	C 0.1 85	C 0.2 115	C 0.1 115	C 0.1 115
29	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	B 0.2 102	B 0.2 102
30	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	B 0.2 89	B 0.1 89

Table 144 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
31	A 0.1 108	A 0.1 108	A 0.1 108	A 0.2 108	A 0.1 108	A 0.1 108	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0. 58	A
32	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A
33	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 115	A 0.1 115	A 0.1 111	A 0.2 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A
34	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	B 0.2 125	B 0.2 125	B 0.2 125	B 0.2 125	B 0.2 125	B 0.2 127	F
35	A 0.3 249	A 0.4 249	A 0.4 249	A 0.5 249	A 0.4 249	A 0.5 249	A 0.2 189	A 0.2 189	A 0.2 189	A 0.2 189	A 0.2 189	A 0.1 189	A
36	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0.1 45	A 0. 45	A 0. 45	A 0. 45	A
37	A 0.5 196	A 0.5 196	A 0.5 196	A 0.8 196	A 0.7 229	A 0.9 229	A 0.1 147	A 0.2 147	A 0.1 147	A 0.1 147	A 0.1 147	A 0.1 147	A
38	A 0.3 282	A 0.3 282	A 0.3 282	A 0.4 282	A 0.4 277	A 0.4 277	A 0.5 233	A 0.5 233	A 0.5 233	A 0.4 233	A 0.4 233	A 0.3 233	A
39	A 0.5 248	A 0.6 248	A 0.6 248	A 0.7 248	A 0.7 248	A 0.7 248	A 0.2 158	A 0.2 158	A 0.2 166	A 0.1 166	A 0.1 166	A 0.1 166	A
40	A 0.1 142	A 0. 142	A 0.1 142	A 0.1 142	A 0.1 132	A 0.1 132	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	E
41	A 0. 77	A 0.1 77	A 0. 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0. 100	A 0.1 100	A 0. 100	A 0. 100	A 0. 100	A 0. 100	A
42	A 0. 91	A 0. 91	A 0. 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0. 118	A 0. 118	A 0. 118	A 0. 118	A 0. 118	A 0. 118	A
43	A 0.2 157	A 0.2 157	A 0.2 157	A 0.3 157	A 0.3 157	A 0.4 157	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A
44	A 0.3 275	A 0.3 275	A 0.3 275	A 0.4 275	A 0.4 268	A 0.4 268	A 0.5 233	A 0.5 233	A 0.4 233	A 0.4 233	A 0.3 233	A 0.3 233	A
45	C 0.1 121	C 0.1 121	C 0.1 121	C 0.1 121	C 0.1 121	C 0.1 121	A 0.8 291	A 0.6 291	A 0.6 291	A 0.7 291	A 0.5 291	A 0.3 208	F
46	C 0. 45	C 0. 45	C 0. 45	C 0. 45	C 0. 45	C 0. 45	C 0.1 87	C 0.1 87	C 0.1 87	C 0.1 87	C 0.1 87	C 0. 87	F
47	C 0. 106	C 0. 106	C 0. 106	C 0. 106	C 0. 106	C 0. 106	C 0.3 131	C 0.3 131	C 0.2 170	C 0.2 170	C 0.2 170	C 0.2 131	F
48	C 0.1 99	C 0.1 99	C 0.1 99	C 0.1 99	C 0.1 99	C 0.1 99	A 0.7 343	A 0.6 343	A 0.6 343	A 0.6 343	A 0.5 343	A 0.3 206	F
49	C 0.1 98	C 0.1 98	C 0.1 98	C 0.1 98	C 0.1 98	C 0.1 98	A 1. 343	A 0.9 343	A 0.8 343	A 0.8 343	A 0.7 343	A 0.4 210	F

## 2.143 5\_Inverse\_trig\_functions\5.2bInversecotangent\5.2.1Inversecotangentfunctions

Table 145: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51
2	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
3	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33
4	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
5	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
6	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61
7	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56
8	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0.1 64	A 0. 64	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62
9	A 0.2 96	A 0.3 96	A 0.3 96	A 0.4 96	A 0.4 96	A 0.3 96	A 0.6 96	A 0.4 96	A 0.4 96	A 0.4 96	A 0.4 96	A 0.3 96
10	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76
11	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32
12	A 0.1 39	A 0.1 39	A 0.1 39	B 0.1 221	B 0.1 221	B 0. 221	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39
13	A 1.2 309	A 1.3 309	A 1.4 309	A 0.1 343	A 0.1 343	A 0.1 343	A 7.4 360	A 4.9 360	A 4.2 360	A 2.7 360	A 2.2 372	A 1. 372
14	C 0.2 169	C 0.2 169	C 0.2 169	C 0.3 169	C 0.3 169	C 0.2 169	C 0.4 169	C 0.4 169	C 0.3 169	C 0.3 169	C 0.3 169	C 0.3 169
15	C 0.6 345	C 0.6 345	C 0.6 345	C 1.1 345	C 1. 345	C 1. 345	C 1.5 345	C 1.6 345	C 1.2 345	C 1.8 345	C 1. 345	C 0. 345
16	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
17	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46
18	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
19	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33
20	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
21	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
22	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33
23	C 0.1 92	C 0.1 92	C 0.1 92	C 0.1 92	C 0.1 92	C 0.1 92	A 0.1 76	A 0.1 76	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83
24	C 0.1 126	C 0.1 126	C 0.1 126	C 0.1 126	C 0.1 126	C 0.2 126	A 0.1 140	A 0.1 140	A 0.1 147	A 0.1 147	A 0.1 147	A 0.1 147
25	C 0. 141	C 0. 141	C 0. 141	C 0.1 141	C 0.1 141	C 0.1 141	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40
26	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	B 0.1 157	B 0.1 157	B 0.1 157	B 0.1 157	B 0.1 157	B 0.1 157
27	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
28	A 0.4 563	A 0.4 563	A 0.4 563	A 0.6 563	A 0.6 563	A 0.6 563	B 32.9 2599	B 33. 2599	B 32.9 2599	B 27.6 1473	F 0 0	F 0 0
29	C 5.3 454	C 5.7 454	C 5.6 454	A 12.9 884	C 11.9 884	C 16. 1203	C 24.6 1188	C 24. 1188	C 22. 1097	C 10.2 705	C 9.9 705	C 9. 705
30	A 5. 630	A 5.4 630	A 5.3 630	A 1.4 630	A 1.3 630	A 2. 630	A 2.5 630	A 2.1 630	A 2.1 640	A 1. 640	A 1. 640	A 1. 640



Table 145 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade c
31	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
32	B 4.8 549	B 5.2 549	B 5.2 549	B 7.8 555	B 7.2 555	B 8.9 555	B 5.9 418	B 6.3 418	B 5.3 418	A 1. 175	B 17.8 1445	B 2
33	A 0.3 141	A 0.3 141	A 0.3 141	A 0.5 141	A 0.5 141	A 1. 141	A 0.6 141	A 0.6 141	A 0.5 141	A 0.4 141	A 0.4 141	A 0
34	A 0.1 111	A 0.1 111	A 0.2 111	A 0.3 111	A 0.3 111	A 0.7 110	A 0.5 108	A 0.5 108	A 0.5 108	A 0.4 108	A 0.4 108	A 0
35	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
36	B 9. 929	B 10.3 929	B 10.3 929	B 20.2 929	B 18. 929	B 29.3 1478	A 18.9 94	A 19.2 94	A 18.8 94	A 9.7 94	A 1. 94	A 0
37	B 0.9 872	B 2.1 872	B 2.2 872	B 3.3 872	B 2.9 872	B 3.9 872	A 18.7 92	A 0.3 92	A 0.3 92	A 0.3 92	A 0.6 92	A 0
38	A 0.1 237	A 0.1 237	A 0.1 237	A 0.3 278	A 0.3 278	A 0.4 278	A 0.5 278	A 0.4 278	A 2.7 278	A 0.2 278	A 0.2 278	A 0
39	A 0. 91	A 0. 91	A 0. 91	A 0. 132	A 0. 132	A 0.1 132	A 0.1 132	A 0.1 132	A 0.1 132	A 0. 132	A 0. 132	A 0
40	A 0.7 330	A 0.7 330	A 0.7 330	A 5. 229	A 4.5 229	A 6.4 229	A 3.5 229	A 3.5 229	A 3.3 229	A 2.1 229	F 0 0	F
41	A 1.4 71	A 1.6 71	A 1.6 71	A 2. 71	A 1.8 71	A 2.2 71	A 1.2 73	A 1.2 73	A 1.1 73	A 1. 73	A 0.9 73	A 0
42	A 0.1 103	A 0.2 103	A 0.2 103	A 5.7 102	A 5.2 102	A 2.4 103	A 6. 99	A 6.3 99	A 5.8 99	A 3.9 99	A 3.3 99	A 2
43	A 0.1 237	A 0.1 237	A 0.1 237	A 2.3 278	A 2.2 278	A 2.3 278	A 3. 278	A 3. 278	A 2.7 278	A 2. 278	A 0.5 278	A 0
44	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
45	A 0. 92	A 0. 92	A 0. 92	A 0. 103	A 0. 103	A 0. 103	A 0. 134	A 0. 134	A 0. 134	A 0. 134	A 0. 134	A 0
46	A 0.1 17	A 0.1 17	A 0.1 17	A 0. 17	A 0. 17	A 0.1 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0

## 2.144 5\_Inverse\_trig\_functions\5.2bInversecotangent\5.2.2Exponentialsofinversecotangent

Table 146: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A
2	A 0.1 9	A 0.1 9	A 0.1 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A
3	A 0.1 25	A 0.1 25	A 0.1 25	A 0.1 25	A 0.1 25	A 0.1 25	A 0.1 25	A 0.1 25	A 0.1 25	A 0.1 25	A 0.1 25	A 0.1 25	A
4	A 0.2 89	A 0.2 89	A 0.2 89	A 0.2 89	A 0.2 89	A 0.2 89	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
5	A 0.2 100	A 0.2 100	A 0.2 100	A 0.2 100	A 0.2 100	A 0.2 100	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F

## 2.145 5\_Inverse\_trig\_functions\5.3aInversesecant\5.3.1u(a+barcsec(cx))^n

Table 147: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.2 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72
2	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50
3	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59
4	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40
5	A 0.1 69	A 0. 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69
6	A 0.8 225	A 0.8 226	A 0.9 226	A 1.3 225	A 1.3 225	A 1.5 225	A 2.1 226	A 1.7 226	A 1.7 237	A 1.5 237	A 1.1 237	A 1.1 237
7	A 0.1 129	A 0.1 129	A 0.1 129	A 0.1 129	A 0.1 129	A 0.1 129	A 0.1 129	A 0.1 129	A 0.1 129	A 0.1 129	A 0.1 129	A 0.1 129
8	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.2 102	A 0.2 102	A 0.2 102	A 0.1 102	A 0.1 102	A 0.1 102
9	A 0.1 204	A 0.1 204	A 0.1 204	A 0.2 204	A 0.2 204	A 0.2 204	A 0.2 204	A 0.2 204	A 0.2 204	A 0.1 204	A 0.1 204	A 0.1 204
10	A 0.1 185	A 0.1 185	A 0.1 185	A 0.3 185	A 0.2 185	A 0.3 185	A 0.4 185	A 0.3 185	A 0.3 185	A 0.2 185	A 0.2 185	A 0.2 185
11	B 0.1 43	B 0.1 43	B 0.1 43	B 0.1 43	B 0.1 43	B 0.1 43	B 0.1 43	B 0.1 43	B 0.1 43	B 0.1 43	B 0.1 43	B 0.1 43
12	A 0.5 82	A 0.3 82	A 0.2 82	A 0.3 82	A 0.3 82	A 0.3 82	A 0.4 82	A 0.4 82	A 0.2 99	A 0.2 99	A 0.2 99	A 0.2 99
13	A 0.4 333	A 0.4 333	A 0.4 333	A 0.7 333	A 0.6 333	A 0.9 333	A 1.2 333	A 1.1 333	A 1.4 333	A 0.7 333	A 0.7 333	A 0.7 333
14	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.2 94	A 0.2 94	A 0.2 94	A 0.2 94	A 0.2 94	A 0.1 94	A 0.1 94
15	A 0.2 118	A 0.2 118	A 0.2 118	A 0.2 118	A 0.2 118	A 0.3 118	A 0.5 118	A 0.5 118	A 0.4 122	A 0.4 122	A 0.3 122	A 0.3 122
16	A 0.1 136	A 0.1 136	A 0.1 136	A 0.2 136	A 0.2 136	A 0.3 136	A 0.3 136	A 0.3 136	A 0.3 136	A 0.2 136	A 0.2 136	A 0.2 136
17	A 0.2 153	A 0.1 153	A 0.2 153	A 0.3 153	A 0.2 153	A 0.3 153	A 0.3 153	A 0.3 153	A 0.3 153	A 0.3 153	A 0.2 153	A 0.2 153
18	A 1.4 1023	A 1.7 1023	A 1.7 1023	A 1.6 1023	A 1.4 1023	A 2.6 1023	A 3.6 1023	A 3.4 1023	A 3. 1023	F 0 0	C 7.9 766	F 7.9 766
19	B 2.2 1190	B 2.6 1190	B 2.6 1190	B 2.9 1190	C 4. 1263	C 7. 1263	B 6.1 1190	B 5.8 1190	B 5.4 1190	F 0 0	F 0 0	F 0 0
20	A 1.2 1331	A 1.3 1331	A 1.3 1331	A 2.3 1331	A 2.2 1331	A 3.4 1331	A 4.8 1331	A 4.1 1331	A 3.8 1331	B 13.2 3072	C 3.4 915	F 3.4 915
21	A 7.3 1827	A 7.4 1827	A 7.4 1827	A 8.1 1827	A 7.8 1827	A 8.6 1827	A 9.6 1827	A 9.9 1827	A 8.3 1829	F 0 0	C 11.9 4045	F 11.9 4045
22	C 5.1 342	C 1.4 342	C 1.4 342	C 0.7 366	C 0.7 366	C 1.1 706	C 1.7 706	C 1. 366	C 0.9 366	C 0.9 366	C 0.9 367	C 0.9 367
23	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
24	C 8.2 247	C 7.6 247	C 7.7 247	C 0.7 247	C 0.6 247	C 0.7 247	C 0.8 247	C 0.8 247	C 0.8 247	C 0.7 247	F 0 0	C 0.7 247
25	C 2.8 305	C 1.4 305	C 1.5 305	C 0.6 339	C 0.6 339	C 0.8 679	C 1. 679	C 1. 339	C 0.9 339	C 0.8 339	C 0.6 340	C 0.6 340
26	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
27	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
28	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
29	C 6. 277	C 6.4 277	C 6.5 277	C 0.8 292	C 0.8 292	C 0.8 292	C 0.9 292	C 1. 292	C 0.9 292	C 0.8 292	F 0 0	C 0.8 292
30	C 0.4 132	C 0.4 132	C 0.4 132	A 0.2 158	A 0.2 158	A 0.2 158	C 0.4 255	C 0.3 152	C 0.3 152	C 0.3 152	C 0.2 188	C 0.2 188

Table 147 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8									
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade						
31	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F			
32	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
33	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F

## 2.146 5\_Inverse\_trig\_functions\5.3aInversesecant\5.3.2Inversesecantfunctions

Table 148: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56
2	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55
3	C 0.1 60	C 0.1 60	C 0.1 60	C 0.1 60	C 0.1 60	C 0.1 60	C 0.1 60	C 0.1 60	C 0.1 60	C 0.1 60	C 0.1 60	C 0.1 60	C 0.1 60
4	A 0.1 173	A 0.1 173	A 0.1 173	A 0.2 173	A 0.2 173	A 0.2 173	A 0.3 173	A 0.3 173	A 0.2 180	A 0.2 180	A 0.2 180	A 0.2 180	A 0.2 180
5	A 0.2 150	A 0.2 150	A 0.2 150	A 0.3 150	A 0.3 150	A 0.3 150	A 0.4 150	A 0.5 150	A 0.4 153	A 0.4 153	A 0.3 153	A 0.3 153	A 0.3 153
6	C 0.6 198	C 0.7 198	C 0.7 198	C 1.1 198	C 1.1 198	C 1.6 198	C 2.6 198	C 2.7 198	C 1.7 218	C 1.1 218	C 1. 218	C 0.5 217	A 0.5 217
7	A 3.9 473	A 4.2 473	A 4.2 473	A 7.1 473	A 6.6 473	A 6.5 473	A 8.2 486	A 6.6 473	A 6.3 475	A 7.5 488	A 5.7 475	A 6.2 475	A 6.2 475
8	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.2 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.1 111
9	A 0.2 446	A 0.2 446	A 0.3 446	A 0.5 442	A 0.5 442	A 0.5 442	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
10	A 0.1 54	A 0.1 54	A 0.1 54	A 0.2 54	A 0.1 54	A 0.1 54	A 0.2 54	A 0.2 54	A 0.2 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54

## 2.147 5\_Inverse\_trig\_functions\5.3bInversecosecant\5.3.1u(a+barccsc(cx))^n

Table 149: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.2 72	A 0.2 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72
2	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50
3	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53
4	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69
5	A 0.9 210	A 0.9 213	A 1. 213	A 1.4 210	A 1.3 210	A 1.8 210	A 2.4 211	A 1.9 211	A 1.4 215	A 1.3 215	A 1.3 215	A 1.3 215
6	A 0.1 137	A 0.1 137	A 0.1 137	A 0.2 137	A 0.1 137	A 0.2 137	A 0.1 137	A 0.1 137	A 0.1 137	A 0.1 137	A 0.1 137	A 0.1 137
7	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.2 102	A 0.2 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102
8	A 0.1 242	A 0.1 242	A 0.1 242	A 0.2 242	A 0.2 242	A 0.2 242	A 0.2 242	A 0.2 242	A 0.2 242	A 0.1 242	A 0.1 242	A 0.1 242
9	A 0.2 186	A 0.1 186	A 0.2 186	A 0.2 186	A 0.2 186	A 0.3 186	A 0.4 186	A 0.4 186	A 0.3 186	A 0.2 186	A 0.2 186	A 0.2 186
10	B 0.1 43	B 0.1 43	B 0.1 43	B 0.1 43	B 0.1 43	B 0.1 43	B 0.1 43	B 0.1 43	B 0.1 43	B 0. 43	B 0. 43	B 0. 43
11	A 0.1 83	A 0.1 83	A 0.1 83	A 0.2 83	A 0.2 83	A 0.2 83	A 0.3 83	A 0.3 83	A 0.2 98	A 0.2 98	A 0.2 98	A 0.2 98
12	A 0.4 411	A 0.5 411	A 0.5 411	A 0.7 411	A 0.7 411	A 1.1 411	A 1.5 411	A 1.3 411	A 1.5 411	A 0.8 411	A 0.8 411	A 0.8 411
13	A 0.1 94	A 0.1 94	A 0.1 94	A 0.2 94	A 0.2 94	A 0.2 94	A 0.3 94	A 0.3 94	A 0.3 94	A 0.2 94	A 0.2 94	A 0.2 94
14	A 0.2 115	A 0.2 115	A 0.2 115	A 0.3 115	A 0.2 115	A 0.3 115	A 0.4 115	A 0.5 115	A 0.3 121	A 0.2 121	A 0.2 121	A 0.2 121
15	A 0.1 134	A 0.1 134	A 0.1 134	A 0.2 134	A 0.2 134	A 0.2 134	A 0.3 134	A 0.3 134	A 0.3 134	A 0.2 134	A 0.2 134	A 0.2 134
16	A 0.2 153	A 0.2 153	A 0.2 153	A 0.3 153	A 0.3 153	A 0.3 153	A 0.3 153	A 0.4 153	A 0.3 153	A 0.3 153	A 0.3 153	A 0.3 153
17	B 1.5 1260	B 1.8 1260	B 1.8 1260	B 1.9 1260	B 1.8 1260	B 2.1 1260	B 3.1 1260	B 2.7 1260	B 2.5 1260	F 0 0	C 6.4 1266	F 0 0
18	B 2.4 1408	B 2.9 1408	B 2.9 1408	B 3.7 1408	B 3.3 1408	B 5.4 1408	B 7.9 1408	B 7.4 1408	B 6.8 1408	F 0 0	F 0 0	F 0 0
19	B 6. 1634	B 6.1 1634	B 6. 1634	B 6.2 1634	B 6.2 1634	B 6.2 1634	B 6. 1634	B 6. 1634	B 6. 1634	F 0 0	C 4.5 1519	F 0 0
20	A 1.2 1482	A 1.4 1482	A 1.4 1482	A 2.6 1482	A 2.2 1482	A 3.9 1482	A 6. 1482	A 5.2 1482	A 4.7 1482	F 0 0	C 3. 1452	F 0 0
21	A 7.1 2075	A 7.2 2075	A 7.2 2075	A 7.8 2075	A 7.6 2075	A 7.8 2075	A 8.6 2075	A 8.7 2075	A 8.4 2075	F 0 0	C 15.6 7272	F 0 0
22	C 1.8 326	C 1.4 326	C 1.4 326	C 0.7 365	C 0.6 365	C 0.7 705	C 1.1 705	C 1.1 365	C 1. 365	C 0.8 365	C 0.9 366	C 0.8 365
23	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
24	C 8.1 247	C 7.5 247	C 7.6 247	C 0.7 247	C 0.6 247	C 0.6 247	C 0.8 247	C 0.8 247	C 0.8 247	C 0.7 247	F 0 0	C 0.7 247
25	C 1.8 304	C 1.5 304	C 1.5 304	C 0.6 339	C 0.6 339	C 0.7 679	C 1.1 679	C 1. 339	C 0.9 339	C 0.8 339	C 0.6 340	C 0.8 339
26	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
27	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
28	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
29	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
30	C 0.4 162	C 0.4 162	C 0.4 162	A 0.3 173	A 0.3 173	A 0.3 173	C 0.4 270	C 0.4 164	C 0.4 164	C 0.4 164	C 0.3 203	C 0.4 164

Table 149 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cp
31	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
32	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0

## 2.148 5\_Inverse\_trig\_functions\5.3bInversecosecant\5.3.2Inversecosecantfunctions

Table 150: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56
2	A 0. 55	A 0. 55	A 0. 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0. 55
3	A 0.1 174	A 0.1 174	A 0.1 174	A 0.2 174	A 0.2 174	A 0.2 174	A 0.3 174	A 0.3 174	A 0.3 182	A 0.3 182	A 0.3 182	A 0.3 182	A 0.2 182
4	A 0.2 149	A 0.2 149	A 0.2 149	A 0.3 149	A 0.3 149	A 0.3 149	A 0.4 149	A 0.4 149	A 0.4 154	A 0.4 154	A 0.3 154	A 0.3 154	A 0.3 154
5	A 0.1 129	A 0.1 129	A 0.1 129	A 0.2 129	A 0.2 129	A 0.2 129	A 0.3 129	A 0.3 129	A 0.3 132	A 0.3 132	A 0.2 132	A 0.2 132	A 0.2 132
6	C 0.3 241	C 0.4 241	C 0.4 241	C 0.6 241	C 0.5 241	C 0.6 241	C 0.9 241	C 0.9 241	C 0.8 241	C 0.8 241	C 0.7 241	C 0.4 241	C 0.4 241
7	A 2.9 314	A 3. 314	A 4. 347	A 5. 314	A 4.5 314	A 4.7 314	A 7.4 314	A 5.2 314	A 5. 314	A 4.6 314	A 6.7 314	A 7. 314	A 7. 314
8	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.2 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99
9	A 5.7 656	A 6.3 656	A 6.2 656	A 9.5 666	A 8.8 656	A 9.4 656	B 12.2 943	A 10.4 656	A 10. 656	A 8. 656	A 10.6 656	A 11.3 666	A 11.3 666
10	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50



## 2.149 6\_Hyperbolic\_functions\6.1aHyperbolic\_sine\6.1.1(c+dx)^m(a+bsinh)^n

Table 151: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 61	A 0.1 61	A 0.1 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61
2	A 0.2 65	A 0.2 65	A 0.2 65	A 0.2 65	A 0.2 65	A 0.2 65	A 0.3 65	A 0.4 65	A 0.3 75	A 0.2 75	A 0.2 75	A 0.2 75
3	A 0.4 132	A 0.3 132	A 0.4 132	A 0.7 132	A 0.6 132	A 0.7 132	A 0.8 132	A 0.8 132	A 0.7 132	A 0.5 132	A 0.6 132	A 0.4 132
4	A 0.3 104	A 0.2 104	A 0.2 104	A 0.4 104	A 0.4 104	A 0.4 104	A 0.5 104	A 0.5 104	A 0.5 106	A 0.4 106	A 0.4 106	A 0.4 106
5	A 0.3 75	A 0.3 75	A 0.3 75	A 0.4 75	A 0.4 75	A 0.5 75	A 0.8 75	A 0.8 75	A 0.6 85	A 0.4 85	A 0.4 85	A 0.4 85
6	A 0.6 150	A 0.6 150	A 0.6 150	A 1.1 150	A 1. 150	A 1.1 150	A 1.6 150	A 1.5 150	A 1.5 150	A 1.1 150	A 1.5 150	A 1. 150
7	A 0.2 59	A 0.2 59	A 0.2 59	A 0.2 59	A 0.2 59	A 0.2 59	A 0.3 59	A 0.3 59	A 0.3 59	A 0.2 59	A 0.2 59	A 0.2 59
8	A 0.7 160	A 0.7 160	A 0.7 160	A 1.2 160	A 1.2 160	A 1.4 160	A 2.2 160	A 2.2 160	A 2.7 176	A 1.4 176	A 1.4 176	A 1.3 176
9	A 0.7 185	A 0.7 185	A 0.7 185	A 2.3 185	A 2.3 185	A 2.3 185	A 3. 133	A 2.9 133	A 2.5 155	A 2.1 155	A 1.8 155	A 1.7 155
10	A 0.1 52	A 0.2 52	A 0.2 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52
11	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
12	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.6 141	A 0.6 141	A 0.6 141	A 0.5 141	A 3.1 141	A 3. 141
13	A 0.4 129	A 0.4 129	A 0.4 129	A 0.6 129	A 0.6 129	A 0.6 129	A 1.8 181	A 1.9 181	A 1.7 181	A 1.3 181	A 4.6 181	A 4. 181
14	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67
15	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57
16	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.2 33	A 0.2 33	A 0.1 33	A 0.2 33	A 0.1 33	A 0.1 33
17	A 0.1 206	A 0.1 206	A 0.1 206	A 0.2 206	A 0.2 206	A 0.2 206	F 0 0	F 0 0	F 0 0	A 160.3 206	A 106.4 206	A 91.6 206
18	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0.2 64	A 0.2 64	A 0.2 64	A 0.1 64	A 0.1 64	A 0.1 64
19	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.4 107	A 0.4 107	A 0.4 107	A 0.3 107	A 0.3 107	A 0.3 107
20	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.5 103	A 0.4 103	A 0.4 103	A 0.4 103	A 0.3 103	A 0.3 103
21	A 0.4 128	A 0.4 128	A 0.4 128	A 0.9 128	A 0.8 128	A 1. 128	A 0.6 128	A 0.6 128	A 0.6 128	A 0.3 128	A 0.3 128	A 0.3 128
22	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48
23	A 0.6 117	A 0.7 117	A 0.7 117	A 0.4 117	A 0.4 117	A 0.4 117	A 0.3 117	A 0.3 117	A 0.3 117	A 0.3 117	A 0.3 117	F 0 117
24	A 0.7 214	A 0.7 214	A 0.8 214	A 0.7 214	A 0.6 214	A 0.8 214	A 0.8 214	A 0.8 214	A 0.8 214	A 0.6 214	A 0.9 214	F 0 214
25	A 0.9 206	A 0.9 206	A 1. 206	A 3.1 206	A 2.9 206	A 3.2 206	A 3.8 209	A 3.6 209	A 3.4 209	A 2.7 209	A 2.5 209	B 3.2 209
26	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
27	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
28	A 1.6 269	A 1.7 269	A 1.8 269	A 4. 269	A 3.6 269	A 4.4 269	A 6.3 259	A 5.9 259	A 4.7 277	A 4.1 277	A 3.4 342	A 4.2 342
29	A 1. 384	A 1.2 384	A 1.2 384	A 2. 384	A 1.8 384	A 2. 384	A 2.6 432	A 2.2 432	A 2.1 432	A 1.8 432	A 1.6 432	A 1.3 432
30	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

Table 151 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
32	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.2 43	A 0.2 43	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1
33	A 0.5 95	A 0.4 95	A 0.4 95	A 0.7 95	A 0.7 95	A 0.7 95	A 0.9 95	A 0.9 95	A 0.7 109	A 0.5 109	A 0.5 109	A 0.5
34	A 2. 98	A 4.2 98	A 4.4 98	A 0.8 98	A 0.8 98	A 0.9 98	A 0.8 98	A 0.8 98	A 0.6 101	A 0.4 93	A 0.4 93	A 0.4
35	A 0.2 134	A 0.2 134	A 0.2 134	A 0.3 134	A 0.3 134	A 0.3 134	A 0.3 134	A 0.3 134	A 0.2 134	A 0.2 134	A 0.2 134	F 0
36	A 0.4 232	A 0.4 232	A 0.4 232	A 0.6 232	A 0.6 232	A 0.7 232	A 0.8 232	A 0.8 232	A 0.8 232	A 0.7 232	A 1.1 232	F 0
37	A 4.9 773	A 4.8 773	A 4.8 773	A 9.9 836	A 9.8 836	A 10.4 836	A 11.2 746	A 11.1 746	A 10.7 746	B 15.9 1428	B 14.4 2390	B 16.
38	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0

## 2.150 6\_Hyperbolic\_functions\6.1aHyperbolic\_sine\6.1.3(ex)^m(a+bsinh(c+dx^n))^p

Table 152: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
2	A 0. 67	A 0.1 67	A 0. 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67
3	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42
4	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.2 46	A 0.2 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46
5	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.2 58	A 0.2 58	A 0.2 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58
6	A 0.2 184	A 0.2 184	A 0.2 184	A 0.3 184	A 0.3 184	A 0.4 184	A 0.6 184	A 0.6 184	A 0.5 184	A 0.4 184	A 0.4 184	A 0.4 184	A 0.4 184
7	A 0.1 136	A 0.1 136	A 0.1 136	A 0.1 136	A 0.1 136	A 0.1 136	A 0.2 136	A 0.2 136	A 0.2 136	A 0.1 136	A 0.1 136	A 0.2 136	A 0.2 136
8	A 0.2 113	A 0.2 113	A 0.2 113	A 0.6 152	A 0.6 152	A 0.6 152	A 1. 152	A 0.8 152	A 0.8 152	A 0.8 152	A 0.6 152	A 0.6 152	A 0.6 152
9	A 0.2 78	A 0.2 78	A 0.2 78	A 0.3 88	A 0.3 88	A 0.2 88	A 0.4 88	A 0.3 88	A 0.3 88	A 0.3 88	A 0.3 88	A 0.3 88	A 0.3 88
10	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
11	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.2 84	A 0.2 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84
12	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39
13	A 0. 63	A 0.1 63	A 0. 63	A 0.1 79	A 0.1 79	A 0.1 79	A 0.2 79	A 0.2 79	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78
14	A 0.1 160	A 0.1 160	A 0.1 160	A 1.7 161	A 1.6 161	A 1.7 161	A 3.2 161	A 3. 161	A 2.7 161	A 2.5 161	A 1.6 174	A 1.1 174	A 1.1 174
15	A 0. 52	A 0. 52	A 0. 52	A 0.1 52	A 0. 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0. 52	A 0. 52	A 0.1 52	A 0.1 52
16	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
17	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
18	A 0. 50	A 0. 50	A 0. 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0.1 50
19	A 3. 204	A 3.2 204	A 3.4 204	A 3.3 199	A 3.1 199	A 3.4 199	A 6.7 199	A 6.5 199	A 5.6 209	A 4.7 209	F 0 0	F 0 0	F 0 0
20	A 0.7 352	A 0.7 352	A 0.7 352	A 3. 378	A 2.8 378	A 3.2 378	A 5.2 378	A 5.3 378	A 4.7 378	A 11. 378	F 0 0	F 0 0	F 0 0
21	C 2.4 210	C 2.6 210	C 2.6 210	C 1.9 210	C 1.8 210	C 1.9 210	C 4. 210	C 3.8 210	C 5.1 390	C 7.5 377	F 0 0	F 0 0	F 0 0

2.151 6\_Hyperbolic\_functions\6.1aHyperbolic\_sine\6.1.4(d+ex)^msinh(a+bx+cx^2)^n

Table 153: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.2 149	A 0.2 149	A 0.2 149	A 0.3 149	A 0.3 149	A 0.3 149	A 0.5 149	A 0.5 149	A 0.5 149	A 0.3 149	A 0.3 149	A 0.3 149	A
2	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
3	A 0.3 155	A 0.3 155	A 0.3 155	A 0.4 155	A 0.4 155	A 0.5 155	A 0.8 155	A 0.8 155	A 0.7 155	A 0.6 155	A 0.5 155	A 0.5 155	A
4	A 0.3 159	A 0.3 159	A 0.3 159	A 0.4 159	A 0.4 159	A 0.4 159	A 0.7 159	A 0.7 159	A 0.7 159	A 0.6 159	A 0.5 159	A 0.5 159	A
5	A 0.1 99	A 0.1 99	A 0.1 99	A 0.2 99	A 0.2 99	A 0.2 99	A 0.4 99	A 0.3 99	A 0.3 99	A 0.2 99	A 0.2 99	A 0.2 99	A
6	A 0.4 194	A 0.4 194	A 0.4 194	A 0.6 194	A 0.6 194	A 0.6 194	A 0.9 194	A 1. 194	A 0.9 194	A 0.6 194	A 0.6 194	A 0.6 194	A
7	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F

## 2.152 6\_Hyperbolic\_functions\6.1aHyperbolic\_sine\6.1.5Hyperbolic\_sine\_functions

Table 154: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
2	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
3	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44
4	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.2 68
5	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.2 48	A 0.2 48	A 0.2 48	A 0.1 48	A 0.1 48	A 0.1 48
6	A 0.1 28	A 0.1 28	A 0.1 28	A 0.1 28	A 0.1 28	A 0.1 28	A 0.1 28	A 0.1 28	A 0.1 28	A 0.1 28	A 0.1 28	A 0.1 28
7	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28
8	A 0.2 52	A 0.2 52	A 0.2 52	A 0.2 52	A 0.2 52	A 0.2 52	A 0.3 52	A 0.3 52	A 0.3 52	A 0.3 52	A 0.3 52	A 0.4 52
9	A 0. 57	A 0. 57	A 0. 57	A 0.1 57	A 0.1 57	A 0. 57	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61
10	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61
11	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0.2 61	A 0.2 61	A 0.2 61	A 0.1 61	A 0.1 61	A 0.1 61
12	B 0. 43	B 0.1 43	B 0.1 43	B 0.1 43	B 0.1 43	B 5. 29	B 0. 29	B 0. 29	B 0. 29	B 0. 29	B 0. 29	B 0. 29
13	B 0.1 147	B 0.1 147	B 0.1 147	B 0.2 147	B 0.2 147	B 0.2 147	A 0.4 65	A 0.3 65	A 0.3 65	A 0.3 65	A 0.3 65	A 0.3 65
14	B 1.9 143	B 2. 143	B 2.1 143	B 1.9 143	B 1.6 143	B 2. 143	B 2.9 143	B 2.9 143	B 2.7 143	B 2.2 143	B 1.7 143	B 1.7 143
15	A 0.2 42	A 0.2 42	A 0.2 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42
16	A 0.3 81	A 0.3 81	A 0.3 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.2 81	A 0.2 81	A 0.2 81	A 0.1 81	A 0.1 81	A 0.1 81
17	A 0.2 75	A 0.2 75	A 0.2 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75
18	A 0.7 136	A 0.7 136	A 0.7 136	A 0.6 118	A 0.6 118	A 0.6 118	A 1.2 136	A 1.2 136	A 1.1 136	A 1.1 136	A 1. 136	A 1. 136
19	A 0.9 118	A 1. 118	A 1. 118	A 0.5 118	A 0.4 118	A 0.5 118	A 0.6 118	A 0.6 118	A 0.5 118	A 0.5 118	A 0.4 118	A 0.4 118
20	A 0.4 95	A 0.4 95	A 0.4 95	A 0.4 95	A 0.3 95	A 0.4 95	A 0.5 95	A 0.5 95	A 0.4 96	A 0.3 96	A 0.3 96	A 0.3 96
21	A 0.9 174	A 1. 174	A 0.9 174	A 0.8 156	A 0.7 156	A 0.7 156	A 1.8 174	A 1.9 174	A 1.8 174	A 1.5 174	A 1.3 174	A 1.3 174
22	A 0.2 71	A 0.3 71	A 0.2 71	A 0.2 71	A 0.2 71	A 0.2 71	A 0.2 71	A 0.2 71	A 0.2 73	A 0.2 73	A 0.2 73	A 0.2 73
23	A 0.1 60	A 0.2 60	A 0.1 60	A 0.2 60	A 0.2 60	A 0.2 60	A 0.3 60	A 0.3 60	A 0.3 60	A 0.2 60	A 0.2 60	A 0.2 60
24	A 1. 83	A 1.1 83	A 1.7 83	A 0.2 83	A 0.2 83	A 0.2 83	A 0.2 83	A 0.2 83	A 0.2 83	A 0.2 83	A 0.2 83	A 0.2 83
25	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66
26	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64
27	A 0.1 12	A 0.2 12	A 0.1 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
28	A 0.6 236	A 0.6 236	A 0.6 236	A 0.9 236	A 0.8 236	A 0.8 236	A 1.2 236	A 1.3 236	A 1.1 199	A 1.2 199	A 1. 199	A 1. 199
29	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13
30	A 0.1 67	A 0.1 67	A 0.1 67	A 0.2 67	A 0.2 67	A 0.2 67	A 0.3 67	A 0.3 67	A 0.3 67	A 0.3 67	A 0.3 67	A 0.3 67





## 2.153 6\_Hyperbolic\_functions\6.1aHyperbolic\sine\6.1.7hyper<sup>m</sup>(a+bsinh<sup>n</sup>)<sup>p</sup>

Table 155: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 77	A 0.1 77	A 0.1 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77
2	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47
3	A 0.1 36	A 0.1 36	A 0.1 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36
4	B 0.1 92	B 0.1 92	B 0.1 118	B 0.1 99	B 0.1 99	B 0.1 99	B 0.1 118	B 0.1 118	B 0. 118	B 0. 118	B 0. 118	B 0. 122
5	A 0.2 154	A 0.2 154	A 0.2 154	A 0. 154	A 0. 154	A 0. 154	A 0. 154	A 0. 154	A 0. 154	A 0. 154	A 0. 154	A 0. 154
6	B 5.4 210	B 6. 210	B 6. 210	B 4.8 210	B 4.7 210	B 6.4 210	B 6.4 561	B 6.4 561	B 6.3 561	B 6.3 561	B 6.3 561	B 6.3 565
7	A 2.9 107	A 3.3 107	A 3.2 107	A 2.6 107	A 2.5 107	A 2.6 107	A 3.8 107	A 3.9 107	A 3.7 107	A 3.2 107	A 0.5 66	A 0.4 66
8	A 0.8 97	A 0.8 97	A 0.8 97	A 0.5 97	A 0.5 97	A 0.5 97	A 0.7 97	A 0.7 97	A 0.5 108	A 0.5 108	A 0.5 108	A 0.4 108
9	C 0.6 107	C 0.6 107	C 0.7 107	C 0.4 107	C 0.3 107	C 0.4 107	C 0.4 107	C 0.4 107	C 1.4 120	C 1.2 120	A 0.1 55	A 0.1 55
10	A 1.4 40	A 1.5 40	A 1.5 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40
11	C 7.5 135	C 8. 135	C 1.1 135	C 0.2 124	C 0.2 124	C 0.3 124	C 0.4 135	C 0.4 135	A 0.2 69	A 0.3 69	A 0.1 69	A 0.1 73
12	C 1.8 141	C 2. 141	C 2.1 141	C 0.6 141	C 0.5 141	C 0.6 141	C 0.7 141	C 0.7 141	C 1.6 150	C 1.4 150	A 0.5 90	A 0.4 90
13	A 1.1 170	A 1.2 170	A 1.2 170	A 0.9 170	A 0.9 170	A 0.9 170	A 1. 170	A 1. 170	A 0.9 170	A 0.8 170	A 0.9 107	A 0.8 107
14	A 11.7 132	A 11.7 132	A 11.7 132	A 1.3 132	A 1.3 132	A 1.3 132	A 1.7 132	A 1.7 132	A 1.6 132	A 1.5 132	A 1.4 132	A 1.2 132
15	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2
16	A 0. 19	A 0. 19	A 0. 19	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
17	A 0.1 35	A 0.1 35	A 0.1 35	A 0.1 35	A 0.1 35	A 0.1 35	A 0.1 35	A 0.1 35	A 0.1 35	A 0. 35	A 0. 35	A 0. 35
18	A 0. 33	A 0. 33	A 0. 33	A 0.1 33	A 0. 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0. 33	A 0.2 33	A 0.1 33
19	A 0. 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.3 53	A 0.2 53
20	A 0.1 81	A 0.2 81	A 0.2 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.2 81	A 0.2 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81
21	A 0. 46	A 0. 46	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0. 76
22	A 0.2 170	A 0.2 170	A 0.2 170	A 0. 149	A 0. 149	A 0. 149	A 0. 170	A 0. 170	A 0. 170	A 0. 170	A 0. 170	A 0. 170
23	A 7.1 239	A 7.2 239	A 7.2 239	A 6.2 218	A 6.1 218	A 6.1 218	A 6.1 239	A 6.1 239	A 6.1 239	A 6.1 239	A 5.3 190	A 6.1 239
24	C 0.5 214	C 0.5 214	C 0.5 214	C 0.4 214	C 0.4 214	C 0.3 214	C 0.1 214	C 0.1 214	C 0.1 214	C 0.1 214	C 0.1 214	C 0.1 214
25	C 11. 145	C 11. 145	C 11.1 145	C 0.2 145	C 0.2 145	C 0.2 145	C 0.1 145	C 0.1 145	C 0.1 145	C 0.1 145	C 0.1 145	C 0. 145
26	C 0.9 191	C 0.9 191	C 1. 191	C 0.6 178	C 0.5 178	C 0.6 178	C 0.5 191	C 0.5 191	C 0.5 191	C 0.4 191	C 0.4 191	C 0.3 191
27	B 0.1 237	B 0.1 237	B 0.1 237	B 0.1 199	B 0. 199	B 0.1 199	B 0.1 237	B 0.1 237	B 0.1 237	B 0. 237	B 0. 237	B 0. 237
28	A 0.2 92	A 0.3 92	A 0.3 92	A 0.2 92	A 0.2 92	A 0.2 92	A 0.2 92	A 0.3 92	A 0.2 92	A 0.2 92	A 0.2 92	A 0.2 92
29	A 0.2 165	A 0.2 165	A 0.2 165	A 0.1 144	A 0.1 144	A 0.1 144	A 0.1 165	A 0.1 165	A 0.1 165	A 0. 165	A 0. 165	A 0. 165
30	B 0.2 278	B 0.2 278	B 0.2 278	B 0. 240	B 0. 240	B 0. 240	B 0. 278	B 0. 278	B 0. 278	B 0. 278	B 0. 278	B 0. 278



Table 155 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			7		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	A	3.	206	A	3.4	206	A	3.4	206	A	0.4	173	A	0.4	173	A	0.4	173	A	0.6	206	A	0.6	206	A	0.6	206	A	0.6	206	A	0.5	206	A	0.5	206
32	A	2.9	256	A	3.2	256	A	3.2	256	A	0.7	223	A	0.7	223	A	0.7	223	A	1.3	256	A	1.3	256	A	1.2	256	A	1.2	256	A	1.1	256	A	1.	256
33	A	2.4	279	A	2.6	279	A	2.6	279	A	2.6	265	A	2.6	265	A	3.3	265	A	5.	279	A	6.1	279	A	4.1	279	A	4.1	279	A	3.4	279	A	3.4	279
34	A	1.9	260	A	2.1	260	A	2.1	260	A	2.1	246	A	2.2	246	A	4.3	246	A	4.2	260	A	4.3	260	A	6.1	339	A	3.	266	B	6.1	1048	A	2.7	266
35	A	5.9	134	A	6.5	134	A	6.3	134	A	0.9	134	A	0.9	134	A	1.	134	A	1.5	134	A	1.5	134	A	1.4	134	A	1.1	134	A	1.1	134	A	0.9	134
36	A	6.2	239	A	6.3	239	A	6.3	239	A	6.1	239	A	6.1	239	A	6.1	239	A	6.1	239	A	6.1	239	A	6.1	239	A	6.1	239	A	6.1	239	A	6.1	239
37	C	4.	221	C	4.4	221	C	4.5	221	C	0.2	221	C	0.2	221	C	0.2	221	C	0.1	221	C	0.1	221	C	0.1	221	C	0.1	221	C	0.1	221	C	0.1	221
38	C	0.6	597	C	0.6	597	C	0.6	597	C	0.5	597	C	0.5	597	C	0.5	597	C	0.6	597	C	0.7	597	C	0.6	597	C	0.5	597	C	0.5	597	C	0.4	597
39	A	8.1	262	A	8.9	262	A	9.	262	A	5.	262	A	5.2	262	A	4.9	262	A	6.4	295	A	6.4	295	A	6.2	262	A	6.	262	A	5.8	262	A	5.6	239
40	C	1.3	802	C	1.5	802	C	1.5	802	C	1.5	802	C	1.5	802	C	1.9	802	C	2.8	802	C	2.5	802	C	2.7	802	C	1.8	802	C	1.7	802	C	1.5	802
41	A	12.8	316	A	13.	316	A	13.	316	A	5.3	316	A	5.3	316	A	5.3	316	A	5.2	316	A	5.5	316	A	5.1	316	A	4.7	316	A	3.4	316	A	3.1	306
42	C	5.1	141	C	5.1	141	C	5.	141	C	0.4	141	C	0.4	141	C	0.3	141	C	0.3	141	C	0.3	141	C	0.3	141	C	0.3	141	C	0.3	141	C	0.2	141
43	C	5.1	87	C	5.1	87	C	5.1	87	C	0.2	87	C	0.2	87	C	0.2	87	C	0.2	87	C	0.2	87	C	0.2	87	C	0.2	87	C	0.2	87	C	0.2	87
44	C	5.	437	C	5.	437	C	5.	437	C	1.	437	C	0.9	437	C	0.9	437	C	0.1	437	C	0.1	437	C	0.1	437	C	0.1	437	C	0.1	437	C	0.1	437
45	A	5.2	127	A	5.2	127	C	5.1	70	C	0.5	70	C	0.5	70	C	0.5	70	C	0.1	70	C	0.1	70	C	0.1	70	C	0.1	70	C	0.1	70	C	0.1	82
46	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18	A	0.	18
47	A	0.	5	A	0.	5	A	0.	5	A	0.	5	A	0.	5	A	0.	5	A	0.	5	A	0.	5	A	0.	5	A	0.	5	A	0.	5	A	0.	5
48	A	0.	30	A	0.	30	A	0.	30	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34	A	0.	34
49	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39	A	0.	39
50	A	0.	38	A	0.	38	A	0.	37	A	0.	37	A	0.	37	A	0.	37	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49
51	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	36	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27
52	A	1.3	79	A	1.6	79	A	1.7	79	A	0.4	79	A	0.4	79	A	0.4	79	A	0.4	79	A	0.5	79	A	0.4	79	A	0.3	79	A	0.3	79	A	0.2	77
53	A	0.	44	A	0.	44	A	0.	44	A	0.1	44	A	0.1	44	A	0.1	44	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49	A	0.	49
54	A	0.3	102	C	9.2	472	C	9.2	472	C	10.6	472	C	10.6	472	C	13.	472	A	0.7	102	A	0.8	102	A	0.7	102	A	0.7	102	A	0.6	102	A	0.5	102
55	A	0.3	80	A	0.3	80	A	0.3	80	A	0.2	80	A	0.2	80	A	0.2	80	A	0.2	80	A	0.2	80	A	0.2	80	A	0.2	80	A	0.2	80	A	0.2	80
56	A	0.2	91	A	0.2	91	A	0.2	91	A	0.3	91	A	0.3	91	A	0.3	91	A	0.4	91	A	0.4	91	A	0.4	93	A	0.4	93	A	0.3	93	A	0.2	93
57	A	0.2	106	A	0.2	106	A	0.2	106	A	0.3	106	A	0.3	106	A	0.3	106	A	0.5	106	A	0.5	106	A	0.5	107	A	0.5	107	A	0.3	97	A	0.5	112
58	A	0.6	230	A	0.6	230	A	0.6	230	A	1.	230	A	0.9	230	A	1.3	230	A	2.	230	A	2.	230	A	2.7	125	A	2.3	125	A	0.7	125	A	0.4	149
59	A	0.4	114	A	0.4	114	A	0.4	114	A	0.7	114	A	0.7	114	A	0.9	114	A	0.7	110	A	0.7	110	A	0.7	112	A	0.7	112	A	0.5	107	A	0.4	109
60	A	0.9	124	A	1.	124	A	1.	124	A	1.	124	A	1.	124	A	1.	124	A	1.4	124	A	1.4	124	A	1.3	124	A	1.4	124	A	1.2	124	A	1.	124
61	A	0.2	79	A	0.2	79	A	0.2	79	A	0.2	79	A	0.2	79	A	0.3	79	A	0.4	79	A	0.4	79	A	0.4	79	A	0.3	79	A	0.3	79	A	0.2	79
62	A	1.1	165	A	1.2	165	A	1.2	165	A	1.2	165	A	1.2	165	A	1.6	165	A	2.4	165	A	2.4	165	A	2.3	165	A	1.6	165	A	1.4	165	A	1.2	165
63	A	0.	32	A	0.	32	A	0.	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32	A	0.	32
64	A	0.3	123	A	0.3	123	A	0.3	123	A	0.5	123	A	0.5	123	A	0.5	123	A	0.5	123	B	6.4	361	B	6.4	361	A	5.6	202	A	4.3	212	A	3.6	202

Table 155 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			7		
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
65	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1	82	A	0.1	82	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
66	A	0.1	55	A	0.2	55	A	0.1	55	A	0.2	55	A	0.2	55	A	0.2	55	A	0.3	56	A	0.3	56	A	0.2	56	A	0.2	56	A	0.2	64	A	0.2	64
67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.2	67	A	0.2	67	A	0.2	67	A	0.3	67	A	0.3	67	A	0.3	67	A	0.3	67	A	0.3	67	A	0.2	67
68	A	0.1	66	A	0.1	66	A	0.1	66	A	0.3	66	A	0.3	66	A	0.2	66	A	0.2	60	A	0.2	60	A	0.2	60	A	0.2	60	A	0.2	60	A	0.1	60
69	C	0.6	105	C	0.6	105	C	0.7	105	C	0.5	105	C	0.5	105	C	0.5	105	C	0.6	105	C	0.6	105	C	0.6	105	C	0.5	105	C	0.6	105	C	0.5	105
70	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.	29	A	0.2	29	A	0.2	29	A	0.2	29	A	0.1	29	A	0.1	29	A	0.1	29
71	A	0.	45	A	0.	45	A	0.	45	A	0.	45	A	0.	45	A	0.	45	A	0.1	44	A	0.1	44	A	0.1	44	A	0.1	44	A	0.1	44	A	0.1	44

## 2.154 6\_Hyperbolic\_functions\6.1bHyperboliccosine\6.1.1(c+dx)^m(a+b cosh)^n

Table 156: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 61	A 0.1 61	A 0.1 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61
2	A 0.2 65	A 0.2 65	A 0.2 65	A 0.3 65	A 0.3 65	A 0.3 65	A 0.3 65	A 0.3 65	A 0.3 65	A 0.2 75	A 0.2 75	A 0.2 75
3	A 0.4 132	A 0.3 132	A 0.4 132	A 0.7 132	A 0.7 132	A 0.7 132	A 0.7 132	A 0.7 132	A 0.7 132	A 0.5 132	A 0.6 132	A 0.4 132
4	A 0.3 104	A 0.3 104	A 0.3 104	A 0.5 104	A 0.4 104	A 0.5 104	A 0.6 104	A 0.6 104	A 0.6 105	A 0.4 105	A 0.5 105	A 0.4 105
5	A 0.3 75	A 0.3 75	A 0.3 75	A 0.4 75	A 0.4 75	A 0.4 75	A 0.7 75	A 0.6 75	A 0.5 85	A 0.4 85	A 0.4 85	A 0.4 85
6	A 0.7 158	A 0.7 158	A 0.7 158	A 1. 385	A 1. 385	A 1.2 385	A 1.6 385	A 1.7 385	A 1.6 385	A 1.1 385	A 1.6 385	A 0.9 385
7	A 0.2 52	A 0.2 52	A 0.2 52	A 0.3 52	A 0.3 52	A 0.3 52	A 0.4 52	A 0.4 52	A 0.4 52	A 0.3 52	A 0.3 52	A 0.3 52
8	A 0.3 196	A 0.3 196	A 0.5 196	A 0.6 196	A 0.5 196	A 0.6 196	A 0.8 196	A 0.9 196	A 0.8 196	A 0.5 196	A 0.5 196	A 0.5 196
9	A 0.1 85	A 0.1 85	A 0.1 84	B 0.2 127	B 0.1 129	B 0.1 129	B 0.2 132	B 0.1 132	B 0.2 132	B 0.2 132	B 0.2 132	B 0.1 132
10	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
11	A 1.6 270	A 1.7 270	A 1.7 270	A 5.7 270	A 5.9 270	A 6.8 270	A 8. 270	A 7. 270	A 7.8 270	A 4.9 270	A 4.6 274	A 3.8 274
12	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
13	A 0.5 191	A 0.4 191	A 0.4 191	A 0.6 191	A 0.6 191	A 0.7 191	A 11.2 177	A 11.5 177	A 9.9 195	A 8.3 195	A 8.3 195	A 7. 195
14	A 1.9 253	A 1.8 253	A 1.8 253	A 3. 253	A 3.1 253	A 3.5 253	B 26. 716	B 25.9 716	B 23.4 716	B 19.4 716	B 18.6 716	B 16. 716
15	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88
16	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
17	A 0.4 64	A 0.5 64	A 0.5 64	A 0.7 64	A 0.7 64	A 0.7 64	A 1. 64	A 1.1 64	A 1. 64	A 1. 64	A 0.2 31	A 0.2 31
18	A 0. 102	A 0.1 102	A 0. 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.4 132	A 0.4 132	A 0.4 132	A 0.4 132	A 0.3 132	A 0.3 132
19	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62
20	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0.2 63	A 0.2 63	A 0.2 63	A 0.1 63	A 0.1 63	A 0.1 63
21	A 0.2 17	A 0.2 17	A 0.2 17	A 0.2 17	A 0.2 17	A 0.2 17	A 0.2 17	A 0.2 17	A 0.2 17	A 0.1 17	A 0.1 20	A 0.1 20
22	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55
23	A 0.9 217	A 0.9 217	A 0.9 217	A 1.6 217	A 1.6 217	A 4. 217	A 4.2 217	A 4.4 217	A 3.1 217	A 1.3 217	A 1.6 217	A 1.1 217
24	A 0.4 192	A 0.4 192	A 0.4 192	A 0.6 192	A 0.6 192	A 0.7 192	A 0.8 192	A 0.8 192	A 0.7 192	A 0.5 192	A 0.5 192	A 0.5 192
25	A 0.5 113	A 0.5 113	A 0.5 113	A 0.2 113	A 0.2 113	A 0.2 113	A 0.2 113	A 0.2 113	A 0.2 113	A 0.2 113	A 0.2 113	F 0 0
26	A 0.9 178	A 0.9 178	A 1. 178	A 2.2 154	A 2.2 154	A 2.2 154	A 3.4 158	A 3.2 158	A 2.8 174	A 2.3 174	A 2.1 174	A 2. 174
27	A 0.6 133	A 0.6 133	A 0.6 133	C 6.4 472	C 6.4 472	C 6.4 472	C 6.3 472	C 6.3 472	C 6.2 472	C 6. 315	C 6.2 472	C 5.8 315
28	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
29	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
30	A 0.6 234	A 0.6 234	A 0.6 234	A 3.3 716	A 3.5 716	A 3.2 716	A 5. 716	A 2.9 716	A 2.8 716	A 2.5 716	A 2.7 716	A 3. 716

Table 156 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
32	A 0.2 83	A 0.2 83	A 0.2 83	A 0.4 83	A 0.4 83	A 0.3 83	A 0.4 83	A 0.4 83	A 0.3 86	A 0.2 86	A 0.2 86	A 0.2 86
33	A 0.3 71	A 0.3 71	A 0.3 71	A 0.5 71	A 0.4 71	A 0.4 71	A 0.5 71	A 0.5 71	A 0.4 81	A 0.3 81	A 0.3 81	A 0.3 81
34	A 2.1 96	A 4.2 96	A 4.4 96	A 1. 96	A 0.9 96	A 1. 96	A 1. 96	A 1. 96	A 0.9 98	A 0.7 87	A 0.7 87	A 0.6 87
35	A 0.4 233	A 0.4 233	A 0.4 233	A 0.8 233	A 0.8 233	A 0.7 233	A 0.8 233	A 0.8 233	A 0.8 233	A 0.6 233	A 1.1 233	F 0 0
36	A 2.7 509	A 2.6 509	A 2.8 509	A 5.3 509	A 5.4 509	A 5.7 509	A 6.7 423	A 5.8 423	A 5.4 423	B 13.3 822	B 12.6 757	B 12.5 756
37	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

## 2.155 6\_Hyperbolic\_functions\6.1bHyperboliccosine\6.1.2(ex)^m(a+bx^n)^pcosh

Table 157: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 82	A 0.1 82	A 0.1 82	A 0.2 82	A 0.1 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.1 82	A 0.2 82	A 0.1 82
2	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.2 65	A 0.2 65	A 0.2 65	A 0.1 65	A 0.1 65	A 0.1 65
3	A 0.2 110	A 0.2 110	A 0.2 110	A 0.3 110	A 0.3 110	A 0.3 110	A 0.4 110	A 0.4 110	A 0.4 110	A 0.3 110	A 0.3 110	A 0.3 110
4	A 0.2 62	A 0.2 62	A 0.2 62	A 0.3 62	A 0.3 62	A 0.3 62	A 0.3 62	A 0.3 62	A 0.2 69	A 0.2 69	A 0.2 69	A 0.2 69
5	A 0.2 93	A 0.2 93	A 0.2 93	A 0.4 93	A 0.4 93	A 0.6 93	A 0.7 93	A 0.7 93	A 0.5 99	A 0.3 99	A 0.3 99	A 0.3 99
6	A 0.3 154	A 0.2 154	A 0.3 154	A 0.5 154	A 0.4 154	A 0.5 154	A 0.6 154	A 0.6 154	A 0.6 154	A 0.4 154	A 0.5 154	A 0.4 154
7	A 0.4 159	A 0.3 159	A 0.4 159	A 0.7 159	A 0.7 159	A 0.8 159	A 0.9 159	A 1. 159	A 0.9 159	A 0.6 159	A 0.6 159	A 0.6 159
8	A 0.3 178	A 0.3 178	A 0.3 178	A 0.5 178	A 0.5 178	A 0.6 178	A 0.7 178	A 0.7 178	A 0.7 178	A 0.4 178	A 0.5 178	A 0.4 178
9	A 0.8 541	A 0.8 541	A 0.9 541	A 1.7 541	B 1.9 710	B 2.2 710	B 3.3 710	B 3.3 710	B 3.1 710	B 2.6 710	B 2.6 710	A 5.8 45
10	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.2 55	A 0.2 55	A 0.2 55	A 0.1 55	A 0.1 55	A 0.1 55
11	C 0.3 155	C 0.4 155	C 0.4 155	C 0.3 171	C 0.3 171	C 0.3 171	C 0.3 171	C 0.3 171	C 0.2 171	C 0.2 171	C 0.2 171	C 0.2 171
12	C 0.8 415	C 0.8 415	C 0.8 415	C 1.4 501	C 5. 363	C 7.4 363	C 7.7 2464	C 7.7 2464	C 4.8 632	C 2.8 632	C 2.9 632	C 2.5 632
13	C 2.2 332	C 2.5 332	C 2. 332	C 2. 648	C 1.9 648	C 2.7 648	C 4. 648	C 4. 648	C 2.6 648	C 2.5 648	C 2.2 648	C 2. 648
14	A 0.1 100	A 0.1 100	A 0.1 100	A 0.2 100	A 0.2 100	A 0.2 100	A 0.2 100	A 0.2 100	A 0.2 100	A 0.2 100	A 0.2 100	A 0.2 100
15	A 0.2 136	A 0.2 136	A 0.2 136	A 0.4 136	A 0.4 136	A 0.4 136	A 0.5 136	A 0.5 136	A 0.5 136	A 0.4 136	A 0.4 136	A 0.3 136
16	C 0.1 213	C 0.1 213	C 0.1 213	C 0.5 213	C 0.5 213	C 0.5 213	C 0.3 213	C 0.3 213	C 1.3 555	C 1.1 555	C 1.1 555	C 0.9 555
17	C 5. 180	C 5. 180	C 5. 180	C 0.2 180	C 0.2 180	C 0.2 180	C 0.1 180	C 0.1 180	C 0.9 391	C 0.5 391	C 0.6 391	C 0.4 391
18	C 5. 180	C 5. 180	C 5. 180	C 0.1 180	C 0.1 180	C 0.1 180	C 0.1 180	C 0.1 180	C 0.7 391	C 0.4 391	C 0.5 391	C 0.4 391
19	C 0.2 215	C 0.2 215	C 0.2 215	C 0.4 215	C 0.3 215	C 0.4 215	C 0.3 215	C 0.3 215	C 6.7 2929	C 6.7 2665	C 6.7 2929	C 4.1 70
20	C 0.1 203	C 0.1 203	C 0.1 203	C 0.2 203	C 0.2 203	C 0.2 203	C 0.2 203	C 0.3 203	C 3.6 707	C 1.9 707	C 1.9 707	C 1.6 707
21	C 0.4 397	C 0.4 397	C 0.4 397	C 0.7 397	C 0.6 397	C 0.6 397	C 0.8 397	C 0.9 397	C 6.4 2100	C 6.4 2100	C 6.4 2100	C 6.3 209
22	C 0.4 675	C 0.4 675	C 0.4 675	C 0.6 675	C 0.6 675	C 0.7 675	C 0.8 675	C 0.9 675	C 6.5 3159	C 6.5 3159	C 6.6 3159	C 6.4 314
23	C 0.3 669	C 0.3 669	C 0.3 669	C 0.5 669	C 0.5 669	C 0.5 669	C 0.7 669	C 0.8 669	C 6.5 3155	C 6.5 3155	C 6.5 3155	C 6.4 314

2.156 6\_Hyperbolic\_functions\6.1bHyperboliccosine\6.1.3(ex)^m(a+bcosh(c+dx^n))^p

Table 158: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
2	A 0. 38	A 0. 38	A 0. 38	A 0.1 38	A 0. 38	A 0. 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0. 38	A 0.1 38	A 0. 38	A 0. 38
3	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.2 46	A 0.2 46	A 0.2 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46
4	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71
5	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49
6	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
7	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0.1 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36
8	A 0.1 90	A 0.1 90	A 0.1 90	A 0.2 94	A 0.2 94	A 0.1 94	A 0.2 94	A 0.2 94	A 0.2 94	A 0.2 94	A 0.2 94	A 0.2 94	A 0.2 94
9	A 0.1 84	A 0.1 84	A 0.1 84	A 0.2 100	A 0.2 100	A 0.2 100	A 0.3 100	A 0.3 100	A 0.3 100	A 0.2 100	A 0.2 100	A 0.2 100	A 0.2 100
10	A 0. 46	A 0. 46	A 0. 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46
11	A 0.1 97	A 0.1 97	A 0.1 97	A 0.2 97	A 0.2 97	A 0.2 97	A 0.3 97	A 0.3 97	A 0.2 97	A 0.2 97	A 0.2 97	A 0.2 97	A 0.2 97
12	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0.1 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39
13	A 0.4 353	A 0.5 353	A 0.5 353	A 0.8 381	A 0.7 381	A 0.7 381	A 5. 381	A 5.2 381	A 4.8 381	A 5.2 381	F 0 0	F 0 0	F 0 0
14	C 0.4 211	C 0.3 211	C 0.3 211	C 0.6 211	C 0.5 211	C 0.6 211	C 3.9 211	C 3.6 211	C 5. 390	C 7.4 377	F 0 0	F 0 0	F 0 0

2.157 6\_Hyperbolic\_functions\6.1bHyperboliccosine\6.1.4(d+ex)^m cosh(a+bx+cx^2)^n

Table 159: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.2 149	A 0.2 149	A 0.2 149	A 0.3 149	A 0.3 149	A 0.3 149	A 0.5 149	A 0.5 149	A 0.4 149	A 0.3 149	A 0.3 149	A 0.3 149	A
2	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
3	A 0.3 155	A 0.3 155	A 0.3 155	A 0.5 155	A 0.5 155	A 0.5 155	A 0.7 155	A 0.7 155	A 0.7 155	A 0.6 155	A 0.5 155	A 0.5 155	A
4	A 0.3 161	A 0.3 161	A 0.3 161	A 0.5 161	A 0.5 161	A 0.4 161	A 0.7 161	A 0.7 161	A 0.6 161	A 0.6 161	A 0.5 161	A 0.5 161	A
5	A 0.1 99	A 0.1 99	A 0.1 99	A 0.2 99	A 0.2 99	A 0.2 99	A 0.4 99	A 0.4 99	A 0.3 99	A 0.2 99	A 0.2 99	A 0.2 99	A
6	A 0.3 194	A 0.3 194	A 0.3 194	A 0.6 194	A 0.5 194	A 0.6 194	A 0.9 194	A 0.9 194	A 0.8 194	A 0.6 194	A 0.6 194	A 0.5 194	A
7	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F

## 2.158 6\_Hyperbolic\_functions\6.1bHyperboliccosine\6.1.5Hyperboliccosinefunctions

Table 160: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	gra
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A
2	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A
3	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A
4	A 0. 44	A 0. 44	A 0. 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A
5	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0.1 20	A 0. 20	A
6	A 0.2 32	A 0.2 32	A 0.2 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A
7	A 0.1 29	A 0.1 29	A 0.1 29	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A
8	A 0.1 43	A 0.2 43	A 0.2 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A
9	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A
10	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A
11	A 0.1 14	A 0.1 14	A 0.1 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A
12	A 0. 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A
13	A 0.2 72	A 0.2 72	A 0.2 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.2 72	A 0.2 72	A 0.2 72	A 0.2 72	A 0.2 72	A 0.1 72	A
14	A 0.1 78	A 0.1 78	A 0.1 78	A 0.2 78	A 0.2 78	A 0.2 78	A 0.2 78	A 0.2 78	A 0.2 78	A 0.2 78	A 0.2 78	A 0.1 78	A
15	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.3 82	A 0.3 82	A 0.3 82	A 0.3 82	A 0.3 82	A 0.2 82	A
16	A 0.5 133	A 0.7 133	A 0.7 133	A 0.4 133	A 0.4 133	A 0.5 133	A 0.6 133	A 0.7 133	A 0.6 133	A 0.3 133	A 0.3 133	A 0.3 133	A
17	A 0.2 80	A 0.2 80	A 0.2 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A
18	A 0.2 111	A 0.2 111	A 0.2 111	A 0.3 111	A 0.2 111	A 0.3 111	A 0.4 111	A 0.4 111	A 0.4 111	A 0.4 111	A 0.4 111	A 0.6 81	A
19	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.2 61	A
20	A 0.2 73	A 0.3 73	A 0.3 73	A 0.4 73	A 0.4 73	A 0.4 73	A 0.5 73	A 0.5 73	A 0.4 73	A 0.5 73	A 0.4 73	A 0.3 73	A
21	A 0. 25	A 0. 25	A 0. 25	A 0.1 25	A 0.1 25	A 0.1 25	A 0.1 25	A 0.1 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A
22	A 0.5 124	A 0.5 124	A 0.5 124	A 0.7 124	A 0.7 124	A 0.7 124	A 1. 124	A 1. 124	A 1.1 124	A 1.1 124	A 1.1 124	A 0.5 157	A
23	A 0.5 196	A 0.5 196	A 0.5 196	A 0.9 196	A 0.8 196	A 0.9 196	A 1.1 196	A 1.2 196	A 1.1 196	A 1. 196	A 0.9 196	A 0.7 193	A
24	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0. 56	A
25	A 0.6 172	A 0.6 172	A 0.6 172	A 1. 172	A 0.9 172	A 0.9 172	A 1.3 172	A 1.3 172	A 1.1 172	A 1.3 172	A 1.1 172	A 0.9 172	A
26	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A
27	A 0. 47	A 0. 47	A 0. 47	A 0.1 47	A 0. 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 48	A 0.1 48	A
28	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A
29	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A
30	A 0.1 51	A 0.1 51	A 0.2 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A



Table 160 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
31	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0. 42	A
32	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A
33	A 0.1 25	A 0.1 25	A 0.1 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A
34	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A
35	A 0.2 89	A 0.2 89	A 0.2 89	A 0.3 89	A 0.3 89	A 0.3 89	A 0.4 88	A 0.4 88	A 0.4 88	A 0.4 88	A 0.4 88	A 0.3 88	A
36	A 0.3 101	A 0.3 101	A 0.3 101	A 0.2 101	A 0.2 101	A 0.2 101	A 0.6 101	A 0.6 101	A 0.5 101	A 0.5 101	A 0.5 101	A 0.4 101	A
37	A 0.2 58	A 0.2 58	A 0.2 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A
38	A 0.1 41	A 0.2 41	A 0.2 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A
39	A 0.2 19	A 0.2 19	A 0.2 19	A 0.1 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A
40	A 0.6 115	A 0.6 115	A 0.6 115	A 0.5 115	A 0.5 115	A 0.5 115	A 0.5 115	A 0.5 115	A 0.5 115	A 0.5 115	A 0.5 115	A 0.3 113	A
41	A 0.4 434	A 0.5 434	A 0.5 434	A 0.8 221	A 0.8 221	A 0.9 221	A 2.2 434	A 2.4 434	A 2.2 434	A 1.4 434	A 1.3 434	A 1. 434	A
42	A 0. 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A
43	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A
44	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	I
45	A 0.2 87	A 0.2 87	A 0.2 87	A 0.3 87	A 0.3 87	A 0.3 87	A 0.4 87	A 0.4 87	A 0.4 87	A 0.4 87	A 0.4 87	A 0.3 87	A
46	A 0. 326	A 0. 326	A 0. 326	A 0. 326	A 0. 326	A 0. 326	A 3.8 399	A 4. 399	A 3.7 399	A 2.8 399	A 2.4 399	A 2.2 399	A
47	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	I
48	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	I
49	A 0.7 386	A 0.6 386	A 0.7 386	A 1.5 386	A 1.5 386	A 1.6 386	A 3.7 496	A 3.4 496	A 3.1 499	A 2.3 499	A 1.8 499	A 1.5 499	A
50	A 2.9 758	A 3. 758	A 3.1 758	A 9.2 831	A 9.6 831	A 10.3 831	A 5.3 697	A 5.1 697	A 4.7 697	A 3.4 697	A 3. 697	A 2.8 697	A
51	A 1.5 374	A 1.5 374	A 1.5 374	A 3.1 414	A 3. 414	A 3.3 414	C 3. 621	C 2.5 621	C 2.8 719	C 2. 457	C 1.9 457	C 1.7 457	C
52	A 0. 62	A 0. 62	A 0. 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A
53	A 0.2 74	A 0.2 74	A 0.2 74	A 0.4 74	A 0.4 74	A 0.4 74	A 0.7 145	A 0.6 145	A 0.5 145	A 0.5 145	A 0.4 145	A 0.3 145	I
54	A 0. 53	A 0. 53	A 0. 53	A 0. 47	A 0. 47	A 0. 47	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A
55	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A
56	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A
57	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 31	C 0. 31	C 0. 31	C 0. 31	C 0. 31	C 0. 31	C
58	C 0. 34	C 0. 34	C 0. 34	C 0. 34	C 0. 34	C 0. 34	C 0. 48	C 0. 48	C 0. 48	C 0. 48	C 0. 48	C 0. 48	C
59	A 0.2 85	A 0.2 85	A 0.1 85	A 0.3 85	A 0.3 85	A 0.3 85	A 0.3 85	A 0.3 85	A 0.3 85	A 0.2 85	A 0.2 85	A 0.2 85	A
60	A 0.1 101	A 0.1 101	A 0.1 101	A 0.2 101	A 0.2 101	A 0.2 101	A 9.5 206	A 9.5 206	A 9.3 206	A 5.4 177	A 4.5 177	A 3.4 177	A
61	A 0.4 149	A 0.4 149	A 0.4 149	A 0.7 149	A 0.7 149	A 0.7 149	A 1.1 149	A 0.9 149	A 0.4 175	A 0.2 175	A 0.2 175	A 0.3 175	A
62	A 0.1 104	A 0.1 104	A 0.1 104	A 0.2 104	A 0.1 104	A 0.1 104	A 0.2 104	A 0.2 104	A 0.2 104	A 0.1 104	A 0.1 104	A 0.1 104	A
63	A 0.2 134	A 0.2 134	A 0.2 134	A 0.3 134	A 0.3 134	A 0.3 134	A 0.4 134	A 0.3 134	A 0.3 134	A 0.2 134	A 0.2 134	A 0.2 134	A
64	A 0.1 16	A 0.1 16	A 0.1 16	A 0.1 16	A 0.1 16	A 0.1 16	A 0.1 16	A 0.1 16	A 0.1 16	A 0.1 16	A 0.1 22	A 0. 22	A

Table 160 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
65	C 0.3 166	C 0.3 166	C 0.3 166	C 0.3 180	C 0.3 180	C 0.3 180	C 0.4 180	C 0.4 180	C 0.4 180	C 0.2 180	C 0.3 180	C 0.2 180	C
66	A 0.5 220	A 0.5 220	A 0.6 220	C 0.5 248	C 0.5 248	C 0.5 248	C 0.5 248	C 0.5 248	C 0.5 248	C 0.5 248	C 0.5 248	C 0.4 248	C

## 2.159 6\_Hyperbolic\_functions\6.1bHyperboliccosine\6.1.7hyper<sup>m</sup>(a+bcosh<sup>n</sup>)<sup>p</sup>

Table 161: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
2	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7
3	C 0.2 83	C 0.2 83	C 0.2 83	C 0.2 83	C 0.2 83	C 0.2 83	C 0.3 83	C 0.3 83	C 1.5 95	C 1.4 95	A 0.2 39	A 0.1 39	A 0.1 39
4	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59
5	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36
6	A 0.4 29	A 0.4 29	A 0.4 29	A 0.1 29	A 0.1 29	A 0.1 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
7	A 0.3 92	A 0.3 92	A 0.3 92	A 0.4 92	A 0.4 92	A 0.4 92	A 0.6 92	A 0.6 92	A 0.5 101	A 0.5 101	A 0.4 101	A 0.3 101	A 0.3 101
8	A 0.3 36	A 0.3 36	A 0.3 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36
9	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2	A 0. 2
10	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11
11	C 2.3 121	C 2.6 121	C 2.6 121	C 0.2 121	C 0.2 121	C 0.2 121	C 0.2 121	C 0.3 121	C 0.2 121	C 0.2 121	C 0.2 121	C 0.2 121	C 0.2 121
12	C 5. 445	C 5. 445	C 5. 445	C 0.1 445	C 0.1 445	C 0.1 445	C 0.1 445	C 0.1 445	C 0.1 445	C 0.1 445	C 0.1 445	C 0.1 445	C 0. 445
13	C 5. 127	C 5. 127	C 5. 127	C 0.1 127	C 0.1 127	C 0.1 127	C 0. 127	C 0. 127	C 0. 127	C 0. 127	C 0. 127	C 0. 127	C 0. 127
14	A 1.9 64	A 2.2 64	A 2.2 64	A 0.5 64	A 0.5 64	A 0.5 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64
15	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0.1 19	A 0.1 19	A 0.1 19	A 0.1 19	A 0.1 19	A 0.1 19	A 0.4 19
16	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	B 7. 66	B 7.4 66	B 6.8 66	B 6.3 65	B 5.7 66	B 3.5 66	E 3.5 66
17	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44

## 2.160 6\_Hyperbolic\_functions\6.2aHyperbolictangent\6.2.1(c+dx)^m(a+b tanh)^n

Table 162: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.4 154	A 0.4 154	A 0.4 154	A 1.8 156	A 1.8 156	A 1.7 156	A 2.8 199	A 2.9 199	A 2.7 209	A 2. 209	A 1.8 209	A 1.7 209
2	A 0.2 143	A 0.2 143	A 0.3 143	A 1.5 143	A 1.5 143	A 1.5 143	A 2.5 93	A 2.5 93	A 2.1 158	A 1.7 158	A 1.5 158	A 1.5 158
3	A 0.2 77	A 0.2 77	A 0.2 77	A 0.3 77	A 0.3 77	A 0.3 77	A 0.3 68	A 0.3 68	A 0.3 68	A 0.3 68	A 0.3 68	A 0.2 68
4	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
5	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
6	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
7	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
8	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
9	A 0.6 206	A 0.6 206	A 0.7 206	A 0.8 206	A 0.8 206	A 0.9 206	A 1.4 206	A 1.5 206	A 1.3 206	A 1. 206	A 1. 206	A 0.8 206
10	A 1.4 442	A 1.4 442	A 1.4 442	A 1.5 442	A 1.4 442	A 2.9 442	A 4.2 442	A 4.5 442	A 4. 442	A 1.5 442	A 1.6 442	A 1.4 442
11	A 2.6 544	A 2.7 544	A 2.7 544	A 7.8 508	A 7.7 508	A 8.2 508	B 12.5 1062	B 12.6 1062	B 10.5 819	B 7.2 819	B 6.9 822	B 7.5 819
12	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
13	A 1. 247	A 1. 247	A 1. 247	A 3.4 239	A 3.4 239	A 3.7 239	A 5.9 352	A 6. 352	A 5.6 352	A 3.5 352	F 0 0	F 0 0
14	A 0.7 152	A 0.7 152	A 0.7 152	A 3.3 144	A 3. 144	A 3.4 144	A 3.5 94	A 3.6 94	A 3.3 94	A 2.5 94	B 16.2 277	B 16.4 276
15	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
16	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

## 2.161 6\_Hyperbolic\_functions\6.2aHyperbolictangent\6.2.2Hyperbolictangentfunctions

Table 163: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 37	A 0. 37	A 0.1 37	A 0.1 37	A 0.1 37	A 0.1 37	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0.
2	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0.
3	C 0. 27	C 0. 27	C 0. 27	C 0. 27	C 0. 27	C 0. 27	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0.
4	A 0.2 80	A 0.3 80	A 0.3 80	A 0.2 83	A 0.2 83	A 0.3 83	A 0.7 103	A 0.7 103	A 0.6 103	A 0.5 103	A 0.5 103	A 0.4
5	A 0. 52	A 0. 52	A 0. 52	A 0. 51	A 0. 51	A 0. 51	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1
6	A 0.1 78	A 0.1 78	A 0.1 78	C 0.1 38	C 0.1 38	C 0.1 38	A 0.5 80	A 0.4 80	A 0.4 80	A 0.3 87	A 0.4 80	A 0.3
7	A 0.1 90	A 0.1 90	A 0.1 90	C 0. 26	C 0. 26	C 0. 26	A 0.1 125	A 0.1 125	A 0.1 125	A 0.1 125	A 0.1 125	A 0.1
8	A 0.1 47	A 0.1 47	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.3 53	A 0.3 53	A 0.2 53	A 0.2 53	A 0.2 58	A 0.1
9	A 0. 31	A 0. 31	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1
10	A 0.1 39	A 0.1 39	A 0.1 39	A 0.2 56	A 0.2 56	A 0.2 56	A 0.3 56	A 0.3 56	A 0.2 56	A 0.2 56	A 0.2 56	A 0.1
11	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1
12	A 0.2 59	A 0.2 59	A 0.2 59	A 0.3 83	A 0.3 83	A 0.3 83	A 0.3 83	A 0.3 83	A 0.3 83	A 0.2 83	A 0.3 83	A 0.2
13	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1
14	A 1.6 122	A 1.5 122	A 1.5 122	A 2.4 122	A 2.3 122	A 2.5 122	A 2.3 185	A 2.2 185	A 2. 185	A 3.3 122	A 3.3 122	A 2.7
15	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 35	A 0.
16	B 0.1 49	B 0.1 49	B 0.1 49	A 0. 14	A 0. 14	A 0. 14	B 0.1 49	B 0.1 49	B 0.1 49	B 0.1 49	B 0.1 49	B 0.1
17	A 0.2 27	A 0.2 27	A 0.2 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0. 27	A 0. 27	A 0.1 27	A 0.1
18	A 0.6 147	A 0.6 147	A 0.6 147	A 0.4 123	A 0.4 123	A 0.4 123	A 0.8 147	A 0.7 147	A 0.7 147	A 0.7 147	A 0.8 147	A 0.6
19	A 2.3 70	A 2.4 70	A 2.5 70	A 0.3 70	A 0.2 70	A 0.3 70	A 0.4 70	A 0.4 70	A 0.4 71	A 0.4 71	A 1.1 142	A 0.8
20	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0. 7	A 0.
21	A 0. 10	A 0. 10	A 0. 10	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0.
22	A 0. 11	A 0. 11	A 0. 11	A 0.1 20	A 0. 20	A 0.1 20	A 0.1 20	A 0.1 20	A 0. 20	A 0. 20	A 0. 20	A 0.
23	A 0.1 49	A 0. 49	A 0.1 49	A 0.1 29	A 0. 29	A 0. 29	A 0.1 29	A 0.1 29	A 0. 29	A 0. 29	A 0. 29	A 0.
24	A 0.2 206	A 0.2 206	A 0.2 206	A 0.2 156	A 0.2 156	A 0.2 156	A 0.3 156	A 0.3 156	A 0.3 156	A 0.2 156	A 0.3 156	A 0.2
25	A 0.2 65	A 0.2 65	A 0.2 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.2 65	A 0.2 65	A 0.2 65	A 0.1 65	A 0.1 65	A 0.1
26	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0.
27	A 0.4 258	A 0.4 258	A 0.4 258	A 0.4 258	A 0.5 258	A 0.5 258	A 0.9 258	A 0.8 258	A 0.8 258	A 0.7 258	B 0.7 277	B 0.5
28	A 0.4 92	A 0.4 92	A 0.4 92	A 0.3 108	A 0.3 108	A 0.3 108	A 0.5 108	A 0.5 108	A 0.4 109	A 0.4 109	A 0.5 138	A 0.6
29	A 1.2 250	A 1.3 250	A 1.3 250	A 2.8 250	A 2.5 250	A 2.9 250	C 4.4 690	C 4.2 690	C 3.8 690	C 1.5 584	C 1.5 606	C 1.2
30	A 0.1 55	A 0.2 55	A 0.2 55	A 0.3 55	A 0.3 55	A 0.3 55	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0.

Table 163 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu
31	A 0.1 58	A 0.1 58	A 0.1 58	A 0.2 58	A 0.2 58	A 0.2 58	B 53.5 59564	B 51.9 59564	B 49.9 59564	F 0 0	F 0 0	F 0
32	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1
33	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0.
34	A 0.1 54	C 1.9 179	C 2. 179	C 2.7 179	C 2.6 179	C 4.4 179	A 0.2 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1
35	C 0. 48	C 0. 48	C 0. 48	C 0. 48	C 0. 48	C 0. 48	C 0. 48	C 0. 48	C 0. 48	C 0. 48	C 0. 48	C 0.
36	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 24	C 0. 81	C 0. 81	C 0. 81	C 0. 81	C 0. 81	C 0.
37	C 0. 22	C 0. 22	C 0. 22	C 0. 22	C 0. 22	C 0. 22	A 0.1 96	A 0.1 96	A 0.1 96	A 0. 96	A 0. 96	A 0.
38	C 0.1 107	C 0.1 107	C 0.1 107	C 0.2 107	C 0.1 107	C 0.1 107	C 0.2 107	C 0.2 107	C 0.1 124	C 0.1 124	C 0.2 124	C 0.1
39	A 1.6 205	A 1.6 205	A 1.7 205	A 4.4 205	A 4.1 205	A 4.5 205	A 5.5 205	A 4.9 205	A 4.5 205	A 4.3 205	A 5. 137	A 2.3
40	B 0.7 134	B 0.7 134	B 0.8 134	B 2.5 134	B 2.4 134	B 2.6 134	B 2.4 134	B 2.2 134	B 2. 134	B 1.8 134	A 4.8 84	A 1.2

## 2.162 6\_Hyperbolic\_functions\6.2aHyperbolictangent\6.2.7(dhyper)^m(a+b(ctanh)^n)^p

Table 164: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.3 41	A 0.3 41	A 0.3 41	A 0.2 41	A 0.2 41	A 0.2 41	A 0.3 41	A 0.3 41	A 0.3 43	A 0.3 43	A 0.3 43	A 0.2 41
2	A 0. 26	A 0. 26	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0.1 52	A 0.1 52	A 0. 52	A 0. 52	A 0. 52	B 0. 52
3	C 0.9 198	C 1. 198	C 1. 198	C 0.9 170	C 0.8 170	C 0.9 170	C 1.6 198	C 1.6 198	C 2.7 159	C 2.8 159	A 0.9 129	A 0.6 129
4	A 0.4 71	A 0.5 71	A 0.5 71	A 0.3 71	A 0.3 71	A 0.4 71	A 0.5 71	A 0.5 71	A 0.5 71	A 0.4 71	A 0.4 71	A 0.3 71
5	C 0.9 188	C 1. 188	C 1. 188	C 0.8 175	C 0.7 175	C 0.9 175	C 1.6 188	C 1.5 188	C 3.2 166	C 3. 166	A 0.9 111	A 0.7 111
6	A 1.3 158	A 1.4 158	A 1.4 158	A 1.3 158	A 1.3 158	A 1.8 158	A 3. 158	A 2.8 158	A 2.6 158	A 1.8 158	A 1.6 158	A 1.5 158
7	A 1.2 149	A 1.3 149	A 1.3 149	A 1.4 149	A 1.2 149	A 1.4 149	A 2.3 149	A 2.2 149	A 2. 149	A 1.8 149	A 1.7 149	A 1.4 149
8	A 0.1 92	A 0.1 92	A 0.1 92	A 0.2 92	A 0.2 92	A 0.2 92	A 0.5 80	A 0.4 80	A 0.4 80	A 0.4 80	A 0.4 80	A 0.3 80
9	A 0. 49	A 0. 49	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0.1 76	A 0.1 76	A 0.1 76	A 0. 76	A 0. 76	A 0. 76
10	A 0.9 90	A 1. 90	A 1. 90	A 0.5 90	A 0.4 90	A 0.5 90	A 0.6 90	A 0.6 90	A 0.5 90	A 0.6 90	A 0.5 90	A 0.4 90
11	A 1.4 213	A 1.4 213	A 1.4 213	A 0.2 213	A 0.2 213	A 0.2 213	A 0.1 213	A 0.1 213	A 0.1 213	A 0.1 213	A 0.1 213	A 0.1 213
12	A 0.1 44	A 0.1 44	A 0.1 44	A 0.2 44	A 0.2 44	A 0.1 44	A 0.2 44	A 0.2 44	A 0.2 47	A 0.2 47	A 0.2 47	A 0.1 47
13	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32
14	A 0.2 86	A 0.2 86	A 0.2 86	A 0.1 86	A 0. 86	A 0.1 86	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95	A 0. 95
15	A 0.2 104	C 8. 792	C 8. 792	C 8.9 792	C 8.9 792	A 10.2 104	A 0.4 104	A 0.4 104	A 0.3 104	A 0.3 104	A 0.3 104	A 0.3 104
16	A 0. 36	A 0. 36	A 0. 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.2 37	A 0.2 37	C 1.8 118	C 2. 118	A 0.3 36	A 0.1 36
17	A 0.5 79	A 0.4 79	A 0.5 79	A 0.7 79	A 0.7 79	A 0.7 79	A 1. 79	A 1. 79	C 2.3 114	C 2.1 114	C 0.6 241	A 1.3 79
18	A 0.4 203	A 0.4 203	A 0.4 203	A 0.6 203	A 0.5 203	A 0.5 203	A 0.8 203	A 0.8 203	C 2.5 143	C 2.3 143	C 0.7 262	C 1.7 203
19	A 0.5 123	A 0.5 123	A 0.5 123	A 0.8 123	A 0.7 123	A 0.8 123	A 1.5 125	A 1.4 125	C 3.1 197	C 3.1 197	C 0.9 276	C 1.8 123
20	A 0.2 46	A 0.2 46	A 0.2 43	A 0.3 43	A 0.2 43	A 0.3 43	A 0.1 70	A 0.1 70	A 0.1 70	A 0. 70	A 0. 70	A 0. 70
21	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55
22	C 0. 61	C 0. 61	C 0. 61	C 0.1 61	C 0.1 61	C 0.1 61	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0. 55	A 0. 55
23	A 0.2 45	A 0.2 45	A 0.2 51	A 0.4 51	A 0.3 51	A 0.3 51	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0. 71
24	A 0.2 49	A 0.2 49	A 0.2 50	A 0.4 50	A 0.3 50	A 0.4 50	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90
25	A 0.2 65	A 0.6 65	A 0.6 65	A 0.9 65	A 0.9 65	A 0.9 65	A 0.5 65	A 0.5 65	A 0.4 65	A 0.4 65	A 0.4 65	A 0.3 65
26	A 0.2 65	A 0.4 65	A 0.4 65	A 0.6 65	A 0.6 65	A 0.6 65	A 0.5 65	A 0.5 65	A 0.4 65	A 0.5 65	A 0.1 69	A 0.1 65
27	A 0.3 63	A 0.3 63	A 0.3 63	A 0.5 63	A 0.4 63	A 0.5 63	A 0.7 67	A 0.6 67	A 0.6 67	A 0.5 67	A 0.5 67	A 0.4 67
28	A 0.2 76	A 0.2 76	A 0.2 76	A 0.3 76	A 0.2 76	A 0.3 76	A 0.4 67	A 0.4 67	A 0.3 67	A 0.4 67	A 0.7 67	A 0.6 67
29	A 0.1 66	A 0.1 66	A 0.1 66	A 0.2 66	A 0.2 66	A 0.2 66	A 0.3 66	A 0.3 66	A 0.3 66	A 0.2 66	A 0.2 66	A 0.2 66
30	A 0. 44	A 0. 44	A 0. 44	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49

Table 164 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0. 55	A 0. 55	A 0. 55	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49
32	A 0.3 90	A 0.3 90	A 0.3 90	A 0.6 90	A 0.5 90	A 0.6 90	A 0.9 90	A 0.8 90	A 0.7 90	A 0.7 90	A 0.6 90	A 0.5 90
33	A 0.3 57	A 0.3 57	A 0.3 57	A 0.5 57	A 0.5 57	A 0.6 57	A 0.2 53	A 0.2 53	A 0.2 53	A 0.2 53	A 0.2 53	A 0.2 53
34	A 0.3 55	A 0.3 55	A 0.3 55	A 0.5 55	A 0.4 55	A 0.4 55	A 0.3 53	A 0.2 53	A 0.2 53	A 0.2 53	A 0.2 53	A 0.2 53
35	A 0.3 97	A 0.4 97	A 0.4 97	A 0.6 97	A 0.5 97	A 0.7 97	A 1. 97	A 1. 97	A 0.9 97	A 0.7 97	A 0.7 97	A 0.6 97
36	A 1.2 138	A 1.2 138	A 1.2 138	A 2. 138	A 1.8 138	A 2. 138	A 3.1 145	A 2.9 145	A 2.7 145	A 2.3 145	A 1.2 145	A 1.1 145
37	A 0. 17	A 0. 17	A 0. 16	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
38	A 0.3 85	A 0.3 85	A 0.3 85	A 0.5 85	A 0.5 85	A 0.6 85	B 5. 184	B 4.7 184	B 4.4 184	B 4. 184	B 3.5 184	B 3. 184
39	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	B 1.5 214	B 1.5 214	B 1.3 214	B 1. 214	B 0.9 214	B 0.7 214
40	A 0.5 111	A 0.4 111	A 0.4 111	A 0.6 111	A 0.6 111	A 0.6 111	B 7.5 911	B 7.2 919	B 7.1 919	B 6.9 911	A 6.5 208	A 3.5 208
41	C 4.7 247	C 4.8 247	C 5. 247	C 6.3 584	C 6.2 584	C 6.2 584	C 6.3 584	C 6.3 584	C 6.3 584	C 6.3 584	C 6.3 584	C 6. 584
42	A 0.4 110	A 0.4 110	A 0.5 110	A 0.4 161	A 0.4 161	A 0.4 161	A 0.7 161	A 0.6 161	A 0.6 161	A 0.6 161	A 0.5 161	B 0.5 161
43	A 0. 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.2 51	A 0.1 51
44	A 0. 56	A 0. 56	A 0. 56	A 0.1 56	A 0.1 56	A 0.1 56	B 1.8 161	B 3.3 135	B 3.1 135	B 0.7 161	B 2.2 135	B 1.6 135
45	C 1.4 206	C 3. 130	C 3. 130	C 2.9 123	C 2.7 123	C 5.9 123	C 5.2 206	C 4.9 206	C 4.5 206	C 3.2 206	B 1.6 120	B 1.1 120
46	A 0.3 107	A 0.3 107	A 0.3 107	A 0.5 107	A 0.4 107	A 0.4 107	B 7.4 874	B 7.1 882	B 6.9 882	B 6.5 874	B 8. 185	B 4.9 185
47	B 1. 112	B 1. 112	B 1.1 112	B 1.9 112	B 1.5 112	B 1.6 112	C 4.4 182	C 4.2 182	C 3.9 182	C 3.4 182	A 1.6 100	A 1.1 100
48	C 0. 70	C 0.1 70	C 0.1 70	C 0.1 70	C 0.1 70	C 0.1 70	B 7.5 903	B 7.2 911	B 7.1 911	B 6.5 903	B 5.3 171	B 2.8 171
49	A 0.4 102	C 5.5 943	C 7.1 943	C 7.7 976	C 7.5 976	C 9.8 976	A 2. 133	A 2. 133	A 1.9 153	A 2. 153	A 1.7 153	A 1.8 153
50	A 0. 40	A 0. 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49
51	A 2.8 166	A 2.8 166	A 2.9 166	A 4.8 166	A 4.5 166	A 4.8 166	B 95.7 62021	B 94.3 62061	B 91.5 62061	F 0 0	F 0 0	F 0 0
52	A 0. 86	A 0. 86	A 0. 86	A 0.1 86	A 0.1 86	A 0.1 86	B 17.7 31650	B 44. 31670	B 30.3 31670	F 0 0	F 0 0	F 0 0
53	A 0.5 113	A 0.5 113	A 0.5 113	A 0.9 113	A 0.8 113	A 1.1 113	B 70.2 41215	B 70.4 41231	B 66.8 41231	B 75.7 436	B 62.6 436	B 54. 436



## 2.163 6\_Hyperbolic\_functions\6.2bHyperboliccotangent\6.2.1(c+dx)^m(a+bcoth)^n

Table 165: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 91	A 0. 91	A 0. 91	A 0. 91	A 0. 91	A 0. 91	A 4.8 85	A 4.5 85	A 4.2 85	A 3.3 85	A 0.8 85	A 0.6 85
2	A 0.1 46	A 0.1 46	A 0.1 46	A 0.2 46	A 0.2 46	A 0.2 46	A 0.2 46	A 0.2 46	A 0.2 46	A 0.2 46	A 0.2 46	A 0.1 46
3	A 0.4 169	A 0.5 169	A 0.5 169	A 0.4 169	A 0.3 169	A 0.3 169	A 0.4 169	A 0.3 169	A 0.4 169	A 0.4 169	A 0.4 169	A 0.3 169
4	A 0.4 81	A 0.5 81	A 0.5 81	A 0.3 81	A 0.3 81	A 0.3 81	A 0.3 81	A 0.3 81	A 0.3 81	A 0.2 81	A 0.2 81	A 0.2 81
5	A 0.4 122	A 0.4 122	A 0.4 122	A 0.3 122	A 0.3 122	A 0.3 122	A 0.3 122	A 0.3 122	A 0.3 122	A 0.2 120	A 0.2 120	A 0.2 120
6	A 0.6 199	A 0.7 199	A 0.7 199	A 0.5 199	A 0.5 199	A 0.6 199	A 0.6 199	A 0.5 199	A 0.5 199	A 0.3 195	A 0.3 195	A 0.3 195
7	A 1.8 371	A 2.1 371	A 2. 371	A 1.6 371	A 1.5 371	A 3.4 371	A 4.6 371	A 4.4 371	A 4. 371	A 1.3 401	A 1.3 401	A 1.5 371
8	A 1. 185	A 1.1 185	A 1.1 185	A 0.8 185	A 0.7 185	A 0.9 185	A 0.9 185	A 0.8 185	A 0.8 185	A 0.6 185	A 0.6 185	A 0.6 185
9	A 0.8 312	A 0.8 312	A 0.8 312	A 0.7 312	A 0.7 312	A 0.8 312	A 0.8 312	A 0.8 312	A 0.8 312	A 0.5 308	A 0.5 308	A 0.7 312
10	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
11	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
12	A 4.7 659	A 4.9 659	A 4.9 659	A 13.1 1022	A 12.7 646	A 13.1 1022	B 19.4 2115	B 18.5 2115	B 17.6 2115	B 12.5 2115	F 0 0	F 0 0
13	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

## 2.164 6\_Hyperbolic\_functions\6.2bHyperboliccotangent\6.2.2Hyperboliccotangentfunctions

Table 166: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 66	A 0.1 66	A 0.1 66	A 0.3 68	A 0.2 68	A 0.3 68	A 0.5 87	A 0.5 87	A 0.4 87	A 0.4 87	A 0.4 87	A 0.3
2	A 0.1 74	A 0.1 74	A 0.1 74	C 0.1 36	C 0.1 36	C 0.1 36	A 0.2 79	A 0.2 79	A 0.2 79	A 0.2 79	A 0.2 79	A 0.1
3	A 0.2 90	A 0.2 90	A 0.2 90	C 0.1 38	C 0.1 38	C 0.1 38	A 0.4 91	A 0.4 91	A 0.4 91	A 0.4 91	A 0.4 91	A 0.3
4	A 0.2 193	A 0.2 193	A 0.2 193	C 0. 36	C 0. 36	C 0. 36	A 0.5 180	A 0.5 180	A 0.5 180	A 0.4 180	A 0.4 180	A 0.3
5	A 0.1 177	A 0.1 177	A 0.1 177	C 0. 36	C 0. 36	C 0. 36	A 0.1 168	A 0.1 168	A 0.1 168	A 0.1 168	A 0.1 168	A 0.1
6	A 0.1 49	A 0.1 49	A 0.1 49	A 0. 51	A 0. 51	A 0. 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1
7	A 0. 31	A 0. 31	A 0. 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1
8	A 0.1 47	A 0.1 47	A 0.1 48	A 0.2 48	A 0.1 48	A 0.2 48	A 0.2 44	A 0.2 44	A 0.2 44	A 0.2 44	A 0.2 44	A 0.1
9	A 0.1 55	A 0.1 55	A 0.1 55	A 0. 53	A 0. 53	A 0. 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1
10	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0.1 63	A 0.3 87	A 0.2 87	A 0.2 87	A 0.3 87	A 0.3 87	A 0.2
11	A 0. 40	A 0. 40	A 0. 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.2 38	A 0.2 38	A 0.2 38	A 0.2 38	A 0.2 38	A 0.1
12	C 0.1 43	C 0.1 43	C 0.1 43	C 0.1 43	C 0.1 43	C 0.1 43	A 3.3 66	A 3.3 66	A 3.2 66	A 2.9 66	A 1. 71	A 0.8
13	A 0.2 248	A 0.2 248	A 0.2 248	C 0.1 41	C 0. 41	C 0. 41	A 3.3 179	A 2.5 179	A 2.4 179	A 1.9 179	A 1.8 179	A 1.4
14	C 0.1 86	C 0.1 86	C 0.2 94	C 0.3 94	C 0.2 94	C 0.3 94	A 0.1 51	A 0.1 51	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1
15	C 0.1 48	C 0.1 48	C 0.1 61	C 0.2 61	C 0.2 61	C 0.2 61	A 0.1 35	A 0.1 35	A 0.1 35	A 0.1 35	A 0.1 35	A 0.1
16	A 0.5 47	A 0.5 47	A 0.5 47	C 0.3 101	C 0.3 101	C 0.3 99	C 0.4 101	C 0.4 101	C 0.3 101	C 0.3 101	C 0.4 109	C 0.8
17	A 0.3 21	A 0.3 21	A 0.3 21	C 0.1 45	C 0.1 45	C 0.1 45	C 0.1 45	C 0.1 45	C 0.1 45	C 0.1 45	C 0.2 45	C 0.2
18	A 0.6 109	A 0.6 109	A 0.6 109	A 1. 109	A 0.9 109	A 1. 109	A 3.4 144	A 3. 144	A 2.8 146	A 1. 93	A 1. 93	A 0.8
19	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0.
20	C 6.5 128	C 4.8 128	C 4.8 128	C 3.3 128	C 3.2 128	C 3.6 128	C 3.4 128	C 3.3 128	C 3.2 128	A 0.1 72	A 0.1 72	A 0.1
21	A 1.6 11	A 1.6 11	C 4.5 35	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0.
22	A 0.8 171	A 0.7 171	A 0.7 171	A 0.9 171	A 0.8 171	A 0.9 171	A 1.4 171	A 1.4 171	A 1.2 172	A 1.1 172	A 1.1 191	A 0.9
23	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.
24	A 0. 34	A 0. 34	A 0. 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0. 34	A 0. 34	A 0. 34	A 0.1 35	A 0.
25	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0.
26	A 0.2 20	A 0.2 20	A 0.2 17	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0.1 36	A 0.
27	A 0.1 14	A 0.1 14	A 0.1 14	A 0.1 17	A 0.1 17	A 0.1 17	A 0.1 17	A 0.1 17	A 0. 17	A 0. 17	A 0.1 17	A 0.1
28	A 0.6 144	A 0.6 144	A 0.6 144	A 0.6 144	A 0.5 144	A 0.6 144	A 0.9 144	A 0.8 144	A 0.9 136	A 0.8 136	A 0.9 155	A 0.7
29	A 0.3 74	A 0.3 74	A 0.3 74	A 0.2 64	A 0.1 64	A 0.1 64	A 0.2 64	A 0.2 64	A 0.2 64	A 0.2 64	A 0.3 64	A 0.2
30	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 29	A 0.1 29	A 0.1 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0.

Table 166 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0.1 49	A 0.1 49	A 0.1 49	A 0.2 49	A 0.1 49	A 0.2 49	A 0.2 49	A 0.2 49	A 0.2 49	A 0.2 49	A 0.2 49	A 0.1 49
32	A 0.1 38	A 0.1 38	A 0.2 52	A 0.2 52	A 0.2 52	A 0.2 52	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
33	A 0.1 57	A 0.1 57	A 0.1 57	A 0.2 57	A 0.2 57	A 0.2 57	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86
34	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0. 82
35	A 0.4 155	A 0.5 155	A 1. 184	B 18.2 304	B 17.3 304	B 18.3 304	B 50.1 81208	B 48. 81286	B 48.9 81286	F 0 0	F 0 0	F 0 0

2.165 6\_Hyperbolic\_functions\6.2bHyperboliccotangent\6.2.7(dhyper)^m(a+b(ccoth)^n)^p

Table 167: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.5 167	A 2. 231	A 1.9 231	A 3. 231	A 2.9 231	A 3. 231	A 1.6 167	A 1.5 167	A 1.4 167	A 1.2 167	A 1.2 167	A 1. 165	A 0.9 165
2	A 0.4 203	A 0.4 203	A 0.4 203	A 0.7 203	A 0.6 203	A 0.6 203	A 1. 203	A 0.9 203	A 0.9 203	A 0.8 203	A 0.8 203	A 1.2 201	A 1.1 201
3	B 0.6 191	B 0.5 191	B 0.5 191	B 0.9 191	B 0.8 191	B 0.9 191	B 1.4 191	B 1.4 191	B 1.2 191	B 1.2 191	B 1.2 191	B 0.9 191	E 0.9 191
4	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	B 2.6 108	B 7.9 108	B 7.6 111	B 2.6 111	B 1.5 111	B 1.3 111	E 1.3 111
5	A 0.2 82	A 0.2 82	A 0.2 82	B 0.2 137	B 0.2 137	B 0.2 137	B 0.4 137	B 0.4 137	B 0.3 137	B 0.3 137	B 0.3 137	B 0.3 137	B 0.4 157
6	A 0.4 111	A 0.4 111	A 0.3 111	A 0.2 161	A 0.2 161	A 0.3 161	A 0.5 161	A 0.4 161	A 0.4 161	A 0.4 161	A 0.3 161	B 0.3 181	A 0.3 181
7	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.3 60	A 0.1 60	A 0.1 60
8	B 0.3 116	B 0.3 116	B 0.3 116	B 0.3 116	B 0.3 116	B 0.4 116	B 0.6 116	B 0.6 116	B 0.5 116	B 1.2 114	B 1.4 116	B 1.2 118	E 1.2 118
9	B 0.1 134	B 0.2 134	B 0.2 134	B 0.2 134	B 0.2 134	B 0.3 134	B 0.4 134	B 0.4 134	B 0.4 134	B 0.3 134	B 0.3 134	B 1.4 135	E 1.4 135
10	C 0. 43	C 0. 43	C 0. 43	C 0. 43	C 0. 43	C 0. 43	A 3.7 118	A 9.1 118	A 8.8 118	A 4.2 118	A 2.4 118	A 1.8 118	A 1.8 118
11	A 0. 40	A 0. 40	A 0. 40	A 0.1 40	A 0.1 40	A 0.1 40	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

2.166 6\_Hyperbolic\_functions\6.3aHyperbolicsecant\6.3.1(c+dx)^m(a+bsech)^n

Table 168: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.3 343	A 0.3 343	A 0.3 343	A 2.6 343	A 2.5 343	A 2.8 343	A 2.2 343	A 2. 343	A 1.8 343	A 1.7 343	A 1.7 343	A 1.3 343	A
2	A 0.2 199	A 0.2 199	A 0.2 199	A 1.6 199	A 1.5 199	A 1.7 199	A 1.2 199	A 1. 199	A 1. 199	A 0.8 199	A 0.7 199	A 0.6 199	A
3	A 0.6 145	A 0.6 145	A 0.6 145	A 2.1 145	A 2. 145	A 2.2 145	A 3.2 135	A 3. 135	A 2.5 157	A 2.1 157	A 1.9 157	A 1.7 157	A
4	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.2 45	A 0.2 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A
5	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A

2.167 6\_Hyperbolic\_functions\6.3aHyperbolicsecant\6.3.2(ex)^m(a+bsech(c+dx^n))^p

Table 169: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.2 143	A 0.2 143	A 0.2 143	A 1.4 143	A 1.4 143	A 1.6 143	A 2.4 143	A 2.2 143	A 2. 143	A 1.6 143	A 0.3 143	A 0.3
2	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
3	A 1.8 320	A 1.7 320	A 1.7 320	A 5. 294	A 4.7 294	A 5.1 294	A 8. 294	A 6.6 294	A 5.9 321	A 4.6 321	A 2.9 343	A 2.5
4	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
5	A 0. 90	A 0.1 90	A 0.1 90	A 0.1 77	A 0.1 77	A 0.1 77	A 0. 94	A 0. 94	A 0. 94	A 0. 94	A 0. 94	A 0.
6	A 0.4 272	A 0.5 272	A 0.5 272	A 1.6 376	A 1.5 376	A 1.7 376	A 2.3 376	A 2.2 376	A 2. 376	A 1.6 376	A 2. 369	A 1.3
7	A 0.2 187	A 0.2 187	A 0.2 187	C 1.8 843	C 1.7 843	C 6.1 1039	C 6.1 1039	C 6.1 1039	C 6.1 1039	C 2.1 843	C 2.2 843	C 1.8
8	A 3.1 654	A 3.2 654	A 3.2 654	A 6.6 755	A 6.4 755	A 7.2 755	A 9.9 840	A 8.5 755	A 7.7 755	A 10.6 941	A 9.1 945	A 8.2
9	A 4.6 582	A 4.4 582	A 4.4 582	A 8.6 573	A 8.1 573	A 9.6 573	A 12.6 639	A 12. 573	A 7.3 588	A 5.7 588	F 0 0	F 0
10	A 0.5 373	A 0.6 373	A 0.6 373	A 21.7 508	A 21.3 508	A 23.5 508	A 27.7 508	A 26.8 508	A 26.3 508	A 22.4 508	F 0 0	F 0
11	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
12	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
13	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
14	A 0.4 260	A 0.4 260	A 0.4 260	A 0.2 260	A 0.2 260	A 0.2 260	A 0.3 260	A 0.3 260	A 0.3 260	A 0.2 260	A 0.3 260	A 0.5
15	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
16	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
17	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0

## 2.168 6\_Hyperbolic\_functions\6.3aHyperbolicsecant\6.3.3Hyperbolicsecantfunctions

Table 170: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10
2	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56
3	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46
4	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 42	A 0.1 51	A 0.1 51
5	A 0. 53	A 0. 53	A 0. 53	A 0.1 53	A 0. 53	A 0. 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 44	A 0.1 53	A 0. 53
6	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56
7	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42
8	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.2 64	A 0.1 64	A 0.1 64	A 0.1 58	A 0.2 64	A 0.1 64
9	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0.1 22	A 0.1 22	A 0.1 22	A 0.1 22	A 0.1 22	A 0. 22
10	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.2 54	A 0.2 54	A 0.2 54	A 0.1 54	A 0.1 54	A 0.1 54
11	A 0. 33	A 0. 33	A 0. 33	A 0. 36	A 0. 36	A 0. 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0. 36
12	A 0. 47	A 0. 47	A 0. 47	A 0.1 47	A 0. 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.2 47	A 0.2 48	A 0.1 48
13	A 0. 30	A 0. 30	A 0. 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 31	A 0.1 31
14	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.2 66	A 0.2 66	A 0.2 66	A 0.2 66	A 0.2 66	A 0.2 66
15	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
16	A 0.2 45	A 0.2 45	A 0.2 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45
17	A 0. 15	A 0. 15	A 0. 23	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
18	A 0.3 99	A 0.3 99	A 0.3 99	A 0.4 99	A 0.3 99	A 0.3 99	A 3. 171	A 2.6 171	A 2.3 171	A 2. 171	A 1.5 127	A 1.2 134
19	B 0.4 51	B 0.5 51	B 0.5 51	B 0.6 51	B 0.5 51	B 0.6 51	B 0.9 56	B 0.8 56	B 0.8 56	B 0.6 56	B 0.4 56	B 0.3 58
20	A 0.2 86	A 0.2 86	A 0.2 78	A 0.3 78	A 0.2 78	A 0.3 78	A 0.5 88	A 0.5 88	A 0.4 88	A 0.4 88	A 0.4 131	A 0.4 131
21	A 0.2 99	A 0.2 99	A 0.2 99	A 0.2 99	A 0.2 99	A 0.2 99	A 0.3 99	A 0.3 99	A 0.2 99	A 0.2 99	A 0.2 99	A 0.2 99
22	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.2 57	A 0.2 57	A 0.1 57	A 0.1 57	A 0.2 57	A 0.1 57
23	A 0.2 41	A 0.2 41	A 0.2 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41
24	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10
25	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12
26	A 0.1 66	A 0.1 66	A 0.1 66	A 0.2 66	A 0.1 66	A 0.2 66	A 0.3 66	A 0.3 66	A 0.2 66	A 0.2 66	A 0.3 64	A 0.2 64
27	A 0.2 69	A 0.2 69	A 0.2 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.2 69	A 0.2 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69
28	A 0.5 185	A 0.5 185	A 0.5 185	A 0.6 185	A 0.6 185	A 0.7 185	A 1.1 185	A 1.1 185	A 0.8 219	A 0.8 219	A 1. 235	A 0.7 162
29	A 0.1 88	A 0.1 88	A 0.1 88	A 0.2 88	A 0.2 88	A 0.2 88	A 0.5 86	A 0.4 86	A 0.3 86	A 0.4 86	A 0.3 86	A 0.2 86
30	C 0.1 65	C 0.1 65	C 0.1 65	C 0.1 65	C 0.1 65	C 0.1 65	C 0.5 171	C 0.4 171	C 0.4 171	C 0.4 171	C 0.3 171	C 0.2 171

Table 170 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32
32	A 3.6 126	A 3.4 126	A 3.5 126	A 5.7 126	A 5.5 126	A 6. 126	A 9.6 126	A 7. 126	B 5.8 183	A 3.6 118	A 2.4 118	A 2.1 118	
33	A 8.8 192	A 8.7 192	A 8.8 192	A 14.2 192	A 13.5 192	B 14.4 750	B 19.8 750	B 15.9 750	B 15. 750	A 6.4 248	A 4.9 248	A 4.7 248	
34	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56



2.169 6\_Hyperbolic\_functions\6.3aHyperbolicsecant\6.3.7(dhyper)^m(a+b(csech)^n)^p

Table 171: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
1	A 0.2 53	A 0.2 53	A 0.2 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A
2	A 0.3 37	A 0.3 37	A 0.3 37	A 0.1 37	A 0.1 37	A 0.1 37	A 0.1 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A
3	A 0.2 84	A 0.2 84	A 0.2 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0. 84	A 0. 84	A 0. 84	A 0. 84	A 0. 84	A
4	A 1.6 153	A 1.6 153	A 1.6 153	A 1.8 153	A 1.7 153	A 2.1 153	A 3.4 153	A 3.1 153	A 2.9 153	A 2.1 153	B 1.4 376	B
5	B 1.7 108	B 1.8 108	B 1.8 108	B 0.6 108	B 0.6 108	B 0.7 108	B 0.9 108	B 0.8 108	B 0.8 108	B 0.6 108	B 0.7 106	B
6	B 3.6 151	B 3.9 151	B 3.9 151	B 1.4 151	B 1.3 151	B 1.4 151	B 2.2 151	B 2.1 151	B 1.9 151	B 1.6 151	B 6.3 762	A
7	B 2.2 480	B 2.3 480	B 2.4 480	B 2.1 480	B 2. 480	B 2.3 480	B 3.7 480	B 3.4 480	B 3.2 480	B 2.3 480	B 6.3 2140	B
8	A 3.8 134	A 4.3 134	A 4.2 134	A 1.4 134	A 1.3 134	A 1.4 134	A 2.1 134	A 1.9 134	A 1.8 134	A 1.6 134	A 2.3 132	A
9	C 1.4 328	C 1.4 328	C 1.4 328	C 1.8 328	C 1.7 328	C 2.2 328	C 3.5 328	C 3.4 328	C 3.4 359	C 3. 359	C 2.1 298	C
10	B 0.8 179	B 0.9 179	B 0.9 179	B 0.9 179	B 0.8 179	B 0.8 179	B 1.3 179	B 1.3 179	B 1.2 179	B 1.1 179	B 0.9 179	B
11	C 1.3 377	C 1.5 377	C 1.4 377	C 1.4 377	C 1.3 377	C 1.7 377	C 2.6 377	C 2.5 377	C 2.4 377	C 1.7 377	C 1.5 377	C
12	B 3.7 295	B 4.3 295	B 4.3 295	B 6.4 295	B 6.2 295	C 6.8 620	C 7.2 620	C 7.1 620	C 7. 620	C 7. 620	B 4.5 296	B
13	C 3.2 524	C 3.5 524	C 3.5 524	C 4.4 524	C 3.8 524	C 4.8 524	C 8.4 524	C 7.9 524	C 7.3 524	C 5.7 524	C 5. 524	C
14	A 0. 110	A 0. 110	A 0. 109	A 0.2 71	A 0.2 71	A 0.2 71	A 0.1 126	A 0.1 126	A 0.1 126	A 0.1 126	A 0.1 126	A
15	A 0. 187	A 0. 187	A 0. 187	A 0.3 104	A 0.2 104	A 0.3 104	A 0.1 196	A 0.1 196	A 0.1 196	A 0.1 196	A 0. 196	A
16	B 1.8 162	B 2. 162	B 2. 162	B 1.5 319	B 1.5 319	B 1.6 319	B 2.6 319	B 2.3 319	B 2.2 319	B 1.8 319	B 6.3 1273	B
17	A 0.5 95	A 0.5 95	A 0.5 95	A 0.6 95	A 0.6 95	A 0.7 95	A 0.7 95	A 0.9 95	A 0.7 104	A 0.5 104	A 1.1 221	A
18	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0.1 36	A
19	A 0.2 124	A 0.2 124	A 0.2 124	A 0.3 124	A 0.3 124	A 0.4 124	A 2.4 161	A 2.3 161	A 2.1 161	A 1.8 161	A 1.6 161	C
20	B 1.8 187	B 1.9 187	B 1.9 187	B 1.2 187	B 1.2 187	B 1.2 187	B 1.9 187	B 1.8 187	B 1.5 190	B 1.4 190	B 1. 190	B
21	B 2.6 258	B 2.8 258	B 2.8 258	B 2.3 258	B 2.2 258	B 2.5 258	B 4.2 258	B 4.1 258	B 3.8 258	B 3.3 258	B 2.5 258	B
22	A 3.2 250	A 3.5 250	A 3.6 250	A 3.5 250	A 3.4 250	A 3.7 250	A 6.2 250	A 6. 250	A 4.6 250	A 4.2 250	A 3.1 250	B
23	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0.1 29	A 0.1 29	A 0.1 29	A 0.1 29	A 0.1 29	A
24	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A
25	C 0.1 41	C 0.1 41	C 0.1 41	C 0. 41	C 0. 41	C 0. 41	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A
26	A 0.2 53	A 0.2 53	A 0.2 62	A 0.3 62	A 0.3 62	A 0.3 62	A 0.1 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A
27	B 1.3 395	B 1.5 395	B 1.5 395	B 1.2 395	B 1.2 395	B 1.3 395	B 1.9 395	B 1.8 395	B 1.6 395	B 1.4 395	B 6.3 1621	B
28	B 1. 281	B 1.1 281	B 1.1 281	B 0.9 281	B 0.8 281	B 1. 281	B 1.3 281	B 1.2 281	B 1.1 281	B 1. 281	B 6.2 1165	B
29	A 0.1 26	A 0.1 26	A 0.1 26	A 0.2 26	A 0.2 26	A 0.2 26	A 0.3 26	A 0.3 26	A 0.3 26	A 0.2 26	A 0.2 26	A
30	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.8 44	A 0.8 44	A 0.7 44	A 0.6 44	A 0.6 44	A

Table 171 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade
31	A	0.6	81	A	0.6	81	A	0.6	81	A	0.8	81	A	0.8	81	A	0.8	81	A	1.2	81	A	1.1	81	A	1.	81	A	0.9	81	A	0.8	81	A
32	A	1.8	136	A	1.8	136	A	1.9	136	A	2.3	136	A	2.2	136	A	2.2	136	A	3.4	136	A	3.2	136	A	3.	136	A	2.8	136	A	2.7	136	A
33	A	0.7	155	A	0.7	155	A	0.7	155	A	1.1	155	A	1.1	155	A	1.3	155	B	4.4	358	B	4.2	358	B	3.9	358	A	3.4	173	A	3.2	173	A
34	B	7.6	1769	C	7.7	2083	C	7.8	2083	C	7.3	2083	C	7.	2083	C	7.1	2083	C	7.6	2083	C	7.5	2083	C	7.4	2083	C	7.4	2083	C	7.3	7368	C
35	C	8.1	3334	C	8.3	3334	C	8.4	3334	C	7.8	3334	C	7.5	3334	C	7.6	3334	C	8.5	3334	C	8.4	3334	C	8.2	3334	C	8.4	3334	C	8.1	12426	C
36	A	0.6	114	A	0.7	108	A	0.7	108	A	0.8	114	A	0.7	114	A	0.9	114	A	1.5	114	A	1.4	114	A	1.3	114	A	1.1	114	A	0.9	114	A
37	B	0.2	90	B	0.2	90	B	0.2	90	B	0.3	90	B	0.3	90	B	0.3	90	A	0.2	73	A	0.2	73	A	0.1	73	A	0.1	73	A	0.1	73	A
38	A	0.6	156	A	0.6	156	A	0.5	156	A	0.6	156	A	0.5	156	A	0.5	156	A	0.8	156	A	0.8	156	A	0.7	156	A	0.7	156	A	1.9	156	A
39	A	0.4	149	A	0.4	149	A	0.4	149	A	0.6	149	A	0.6	149	A	0.7	149	A	0.7	97	A	0.7	97	A	0.6	97	A	0.6	97	A	0.5	97	A
40	A	0.6	197	A	0.6	197	A	0.5	197	A	0.8	197	A	0.8	197	A	1.	197	A	1.7	197	A	1.6	197	A	1.4	197	A	1.1	197	A	0.6	197	A
41	B	0.5	159	B	0.5	159	B	0.5	159	B	0.5	159	B	0.5	159	B	0.6	159	B	0.8	159	B	0.8	159	B	0.6	159	B	0.5	159	B	0.5	155	B
42	A	0.2	42	A	0.2	42	A	0.2	42	B	0.2	105	B	0.2	105	B	0.2	105	B	0.3	105	B	0.3	105	B	0.3	105	B	0.2	105	B	0.4	105	B
43	A	0.6	155	A	0.6	155	A	0.6	155	A	0.7	155	A	0.6	155	A	0.7	155	A	1.	155	A	1.	155	A	0.9	155	A	0.8	155	A	0.7	155	A
44	A	0.4	120	A	0.4	120	A	0.4	120	A	0.4	120	A	0.4	120	A	0.5	120	A	0.7	120	A	0.6	120	A	0.6	124	A	0.6	124	A	0.5	120	A

## 2.170 6\_Hyperbolic\_functions\6.3bHyperboliccosecant\6.3.1(c+dx)^m(a+bcsch)^n

Table 172: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.2 168	A 0.2 168	A 0.2 168	A 3. 191	A 2.8 191	A 3.1 191	A 3.1 296	A 2.9 296	A 2.7 296	A 1.7 296	A 1.5 296	A 1.8 296	A
2	A 0.1 118	A 0.1 118	A 0.1 118	A 2.4 118	A 2.2 118	A 2.4 118	A 2.6 170	A 2.4 170	A 2.3 170	A 1.4 170	A 1.3 170	A 1.5 170	A
3	A 0.5 185	A 0.4 185	A 0.4 185	A 0.8 185	A 0.9 185	A 1. 185	A 3.2 133	A 2.9 133	A 2.5 155	A 2.1 155	A 1.8 155	A 1.7 155	A
4	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.2 45	A 0.2 45	A 0.2 45	A 0.1 45	A 0.1 45	A 0.1 45	A
5	A 0.3 67	A 0.3 67	A 0.3 67	A 0.2 63	A 0.1 63	A 0.2 63	A 0.2 63	A 0.2 63	A 0.1 63	A 0.1 63	A 0.2 63	A 0.1 63	A

2.171 6\_Hyperbolic\_functions\6.3bHyperboliccosecant\6.3.2(ex)^m(a+bcsch(c+dx^n))^p

Table 173: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade c
1	A 0.1 133	A 0.1 133	A 0.1 133	A 4.6 138	A 4.4 138	A 4.6 138	A 9.3 138	A 8.8 138	A 8.1 138	A 5.9 138	A 0.6 138	A 0
2	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
3	B 2.2 595	B 2.1 595	B 2.2 595	B 6.2 595	B 6.1 595	B 7.4 595	B 12.2 431	A 11.4 269	A 8.2 209	A 6.4 209	A 4.4 329	A 4
4	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
5	A 0.1 167	A 0.1 167	A 0.1 167	A 0.1 147	A 0.1 147	A 0.1 147	A 0. 167	A 0. 167	A 0. 167	A 0. 167	A 0. 167	A
6	A 0.4 256	A 0.5 256	A 0.5 256	A 0.6 256	A 0.5 256	A 0.6 256	A 1.9 360	A 1.8 360	A 1.7 360	A 1.4 360	A 1.3 360	A 1
7	A 0.3 175	A 0.3 175	A 0.3 175	C 3. 1166	C 3.2 1164	C 6.1 1321	C 6.1 1321	C 6.1 1321	C 6.1 1321	C 3.8 1164	C 4. 1164	C 3
8	A 3.4 735	A 3.5 735	A 3.6 735	A 6.4 747	A 6.2 747	A 7. 747	A 10.1 832	A 8. 747	A 7.5 747	A 11.6 900	A 8.6 904	A
9	A 3.8 382	A 3.7 382	A 3.8 382	B 12.7 616	B 12.3 616	B 12.9 616	B 21.2 591	B 20. 591	B 21.8 610	A 14.9 432	F 0 0	F
10	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
11	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
12	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
13	A 0.2 42	A 0.2 42	A 0.3 61	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0
14	A 0.5 175	A 0.5 175	A 0.5 175	A 0.2 175	A 0.1 175	A 0.2 175	A 0.3 175	A 0.2 175	A 0.2 175	A 0.2 175	A 0.2 175	A 0
15	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
16	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
17	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F

## 2.172 6\_Hyperbolic\_functions\6.3bHyperboliccosecant\6.3.3Hyperboliccosecantfunctions

Table 174: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	g
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11
2	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56
3	A 0.2 57	A 0.2 57	A 0.2 57	A 0.2 57	A 0.2 57	A 0.2 57	A 0.2 57	A 0.2 57	A 0.2 57	A 0.2 57	A 0.2 57	A 0.2 57	A 0.1 57
4	A 0.1 48	A 0.2 48	A 0.2 48	A 0.2 48	A 0.2 48	A 0.2 48	A 0.2 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48
5	A 0.1 79	A 0.1 79	A 0.1 79	A 0.2 79	A 0.2 79	A 0.2 79	A 0.3 79	A 0.3 79	A 0.2 79	A 0.2 79	A 1.1 79	A 0.2 79	A 0.2 79
6	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54
7	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0.2 68	A 0.3 68	A 0.2 68	A 0.2 68	A 0.2 68	A 0.1 83	A 0.1 68	A 0.1 68
8	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 67	A 0.1 67	A 0.1 67	A 0.2 67	A 0.2 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67
9	A 0. 39	A 0.1 39	A 0.1 39	A 0. 39	A 0. 39	A 0. 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0. 39
10	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 30	A 0.1 30	A 0.1 30	A 0.2 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0.2 52	A 0.1 41	A 0.1 41
11	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.2 56	A 0.2 56	A 0.2 56	A 0.2 56	A 0.2 56	A 0.2 56	A 0.2 56
12	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.2 70	A 0.1 57	A 0.1 57
13	A 0.1 38	A 0.1 38	A 0.1 38	A 0. 38	A 0. 38	A 0. 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0. 38	A 0. 38
14	A 0.5 46	A 0.6 46	A 0.6 46	A 0.7 46	A 0.7 46	A 0.7 46	B 1. 67	B 0.9 67	B 0.8 67	B 0.8 67	B 0.7 67	B 0.5 69	B 0.5 69
15	A 0.1 56	A 0.2 56	A 0.2 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.2 56	A 0.2 56	A 0.2 56	A 0.2 56	A 0.2 56	A 0.1 56	A 0.1 56
16	B 10.9 567	B 11.6 567	B 11.6 567	B 6.3 508	B 6.2 508	B 6.2 508	B 6.1 567	B 6.1 567	B 6.1 567	B 6.1 567	B 6.1 567	B 6.1 571	B 6.1 571
17	A 0. 17	A 0. 17	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 43	B 0. 47
18	A 0.8 82	A 0.8 82	A 0.8 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82
19	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20
20	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
21	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
22	A 0.2 67	A 0.2 67	A 0.2 67	A 0.2 67	A 0.2 67	A 0.2 67	A 0.3 67	A 0.3 67	A 0.3 67	A 0.2 67	A 0.2 67	A 0.2 67	A 0.2 67
23	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71
24	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0.1 25	A 0.1 25	A 0.1 25	A 0.1 25	A 0.1 25	A 0.1 38	A 0.1 38
25	A 0.1 22	A 0.1 22	A 0.1 22	A 0. 13	A 0. 13	A 0. 13	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	B 0. 26	B 0. 26
26	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	B 0. 92	B 0. 92	B 0. 92	B 0. 92	B 0. 92	B 0. 92	B 0. 92
27	B 0.1 140	B 0.1 140	B 0.1 140	B 0. 129	B 0. 129	B 0. 129	B 0. 140	B 0. 140	B 0. 140	B 0. 140	B 0. 140	B 0. 140	B 0. 140
28	A 0.6 141	A 0.6 141	A 0.6 141	A 0.7 141	A 0.7 141	A 0.9 141	A 1.6 141	A 1.5 141	A 1.4 151	A 1. 151	A 0.7 203	A 0.6 139	A 0.6 139
29	A 0.1 88	A 0.1 88	A 0.1 88	A 0.2 88	A 0.2 88	A 0.2 88	A 0.4 86	A 0.4 86	A 0.3 86	A 0.4 86	A 0.3 86	A 0.2 86	A 0.2 86
30	C 0.1 60	C 0.1 60	C 0.1 60	C 0.1 60	C 0.1 60	C 0.1 60	C 0.7 83	C 0.6 83	C 0.6 83	C 0.3 83	C 0.2 83	C 0.2 83	C 0.2 83

Table 174 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	g
31	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	
32	A 2.9 126	A 2.8 126	A 2.8 126	A 4.5 126	A 4.3 126	A 4.7 126	A 7.5 126	A 5.6 126	B 4.4 179	A 4.3 87	A 3. 87	A 2.7 87	
33	A 5.4 200	A 5.5 200	A 5.6 200	B 9.2 488	A 9. 200	B 9.5 488	B 11.3 488	B 9.9 488	B 9.6 488	A 5.8 250	A 4.4 250	A 4.2 250	
34	A 0.1 107	A 0.1 107	A 0.1 107	A 0.1 81	A 0.1 81	A 0.1 81	A 0. 107	A 0. 107	A 0. 107	A 0. 107	A 0. 107	A 0. 107	

2.173  $6\_Hyperbolic\_functions\6.3bHyperboliccosecant\6.3.7(dhyper)^m(a+b(ccsch)^n)^p$

Table 175: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 3. 149	A 3.3 149	A 3.3 149	A 3.5 149	A 3.4 149	A 4.2 149	A 5.4 149	A 5. 149	A 4.8 149	A 3.7 149	B 3. 308	B 2.4 308	B
2	A 0.6 84	A 0.6 84	A 0.6 84	A 0.7 84	A 0.7 84	A 1. 84	A 1.6 84	A 1.4 84	A 1.4 84	A 0.8 84	A 0.7 63	A 0.6 63	A
3	A 1.8 52	A 2.1 52	A 2.1 52	A 0.2 52	A 0.2 52	A 0.2 52	A 0.2 52	A 0.2 52	A 0.2 52	A 0.2 52	A 0.2 52	A 0.2 52	A
4	A 0.3 143	A 0.3 143	A 0.3 143	A 0.3 143	A 0.3 143	A 0.3 143	A 0.4 143	A 0.4 143	A 0.4 143	A 0.3 143	A 0.6 143	A 0.4 143	A
5	A 1. 234	A 1.1 234	A 1.1 234	A 1.5 234	A 1.4 234	A 1.8 234	A 2.9 234	A 2.7 234	A 2.5 234	A 1.9 234	A 1.8 234	A 1.6 234	A
6	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A

## 2.174 6\_Hyperbolic\_functions\6.4Miscellaneous\6.4.1Hyperbolicfunctions

Table 176: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.4 22	A 0.4 22	A 0.4 22	B 0.1 47	B 0.1 47	B 0.1 47	A 0.1 22	A 0.1 22	A 0.1 22	A 0.1 22	A 0.1 22
2	A 0.3 22	A 0.4 22	A 0.4 22	B 0.1 47	B 0.1 47	B 0.1 47	A 0.1 22	A 0.1 22	A 0.1 22	A 0.1 22	A 0.1 22
3	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
4	A 0.1 49	A 0.1 49	A 0.1 49	A 0.2 49	A 0.2 49	A 0.2 49	A 0.4 77	A 0.4 77	A 0.3 77	A 0.3 77	A 0.3 77
5	A 0.2 44	A 0.2 44	A 0.2 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.2 44	A 0.2 44	A 0.2 44	A 0.1 44	A 0.1 44
6	A 0.3 77	A 0.2 77	A 0.2 77	A 0.2 77	A 0.2 77	A 0.3 77	A 0.4 77	A 0.4 77	A 0.3 77	A 0.3 77	A 0.3 77
7	A 0.1 52	A 0.1 52	A 0.1 52	A 0.2 52	A 0.1 52	A 0.2 52	A 0.2 52	A 0.2 52	A 0.2 52	A 0.2 52	A 0.2 52
8	C 0. 29	C 0. 29	C 0. 29	C 0. 29	C 0. 29	C 0. 29	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70
9	C 0. 29	C 0. 29	C 0. 29	C 0. 29	C 0. 29	C 0. 29	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93
10	A 0. 34	A 0. 34	A 0. 34	A 0.1 34	A 0. 34	A 0. 34	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39
11	C 0. 33	C 0. 33	C 0. 33	C 0. 33	C 0. 33	C 0. 33	A 0. 128	A 0. 128	A 0. 128	A 0. 128	A 0. 128
12	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
13	C 0. 59	C 0. 59	C 0. 59	C 0.1 59	C 0.1 59	C 0.1 59	C 0.2 85	C 0.2 85	C 0.2 85	C 0.2 85	C 0.2 85
14	C 0. 59	C 0. 59	C 0. 59	C 0. 59	C 0. 59	C 0. 59	C 0.1 59	C 0.1 59	C 0.1 59	C 0.1 59	C 0.1 59
15	C 0. 59	C 0. 59	C 0. 59	C 0. 59	C 0. 59	C 0. 59	C 0.1 59	C 0.1 59	C 0.1 59	C 0.1 59	C 0.1 59
16	A 0.1 21	A 0.1 21	A 0.1 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
17	A 0.1 16	A 0.1 16	A 0.1 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16
18	A 0. 74	A 0. 74	A 0. 74	A 0.2 59	A 0.2 59	A 0.2 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59
19	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40
20	B 0. 67	B 0. 67	B 0. 67	B 0. 67	B 0. 67	B 0. 67	B 0. 67	B 0. 67	B 0. 67	B 0. 67	B 0. 67
21	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	B 0. 45	B 0. 45	B 0. 45	B 0. 45	B 0. 45
22	A 0.1 85	A 0.1 85	A 0.1 85	A 0. 67	A 0. 67	A 0. 67	A 0. 85	A 0. 85	A 0. 85	A 0. 85	A 0. 85
23	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	B 0. 103	B 0. 103	B 0. 103	B 0. 103	B 0. 103
24	A 0.1 103	A 0.1 103	A 0.1 103	A 0.1 85	A 0.1 85	A 0.1 85	A 0. 103	A 0. 103	A 0. 103	A 0. 103	A 0. 103
25	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
26	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
27	B 0. 95	B 0. 95	B 0. 95	B 0. 84	B 0. 84	B 0. 84	B 0. 95	B 0. 95	B 0. 95	B 0. 95	B 0. 95
28	A 0.5 105	A 0.5 105	A 0.5 105	A 0.8 105	A 0.7 105	A 0.9 105	A 1.4 105	A 1.3 105	A 1.3 106	A 1.1 106	A 1.1 106
29	A 0.5 69	A 0.5 69	A 0.5 69	A 0.8 69	A 0.7 69	A 0.9 69	A 1.4 69	A 1.3 69	A 1.2 69	A 0.9 69	A 0.9 69
30	A 0.3 85	A 0.3 85	A 0.4 85	A 0.5 85	A 0.5 85	A 0.5 85	A 0.8 85	A 0.8 85	A 0.7 85	A 0.6 85	A 0.6 85



Table 176 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	A	0.4	107	A	0.4	107	A	0.4	107	A	0.7	107	A	0.6	107	A	0.8	107	A	1.3	107	A	1.3	107	A	1.4	109	A	0.8	109	A	0.8	109
32	A	1.	158	A	1.1	158	A	1.1	158	A	1.7	158	A	1.6	158	A	1.8	158	A	2.7	158	A	2.6	158	A	2.4	158	A	2.3	158	A	2.2	158
33	A	0.3	90	A	0.3	90	A	0.4	90	A	0.5	90	A	0.5	90	A	0.5	90	A	0.9	90	A	0.8	90	A	0.7	90	A	0.6	90	A	0.6	90
34	A	1.	153	A	1.1	153	A	1.1	153	A	1.7	153	A	1.7	153	A	2.3	153	A	3.7	153	A	3.6	153	A	3.3	153	A	2.3	153	A	2.2	153
35	A	1.	176	A	1.	176	A	1.1	176	A	1.8	176	A	1.7	176	A	2.5	176	A	4.1	176	A	3.9	176	A	3.5	176	A	2.	176	A	1.9	176
36	B	0.1	83	B	0.1	83	B	0.1	83	B	0.1	83	B	0.1	83	B	0.1	83	B	0.1	83	B	0.1	83	B	0.1	83	B	0.1	83	B	0.1	83
37	B	0.	86	B	0.	86	B	0.	86	B	0.1	86	B	0.1	86	B	0.1	86	B	0.1	86	B	0.1	86	B	0.1	86	B	0.	86	B	0.	86
38	C	0.	93	C	0.	93	C	0.1	93	C	0.1	93	C	0.1	93	C	0.1	93	C	0.1	93	C	0.1	93	C	0.	93	C	0.	93	C	0.	93
39	A	0.1	35	A	0.1	35	A	0.1	35	A	0.2	35	A	0.2	35	A	0.2	35	A	0.3	35	A	0.2	35	A	0.2	35	A	0.2	35	A	0.2	35
40	C	0.1	90	C	0.1	90	C	0.1	90	C	0.1	90	C	0.1	90	C	0.1	90	C	0.1	90	C	0.1	90	C	0.1	90	C	0.1	90	C	0.1	90
41	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.1	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25
42	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	C	3.2	181	C	0.6	181	C	0.5	181	C	0.5	181	C	0.5	181	C	0.5	181
43	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7	A	0.	7
44	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
45	C	0.1	55	C	0.1	55	C	0.1	55	C	0.1	55	C	0.1	55	C	0.1	55	C	0.1	55	C	0.1	55	C	0.1	55	C	0.1	55	C	0.1	55
46	C	0.	113	C	0.	113	C	0.	113	C	0.	113	C	0.	113	C	0.	113	C	0.	113	C	0.	113	C	0.	113	C	0.	113	C	0.	113
47	A	0.	39	A	0.	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39
48	A	0.	28	A	0.	28	A	0.	28	A	0.1	28	A	0.1	28	A	0.1	28	A	0.1	28	A	0.1	28	A	0.1	28	A	0.1	28	A	0.1	28
49	A	0.1	61	A	0.1	61	A	0.1	61	A	0.2	61	A	0.2	61	A	0.2	61	A	0.3	61	A	0.2	61	A	0.2	61	A	0.2	61	A	0.2	61
50	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39	A	0.1	39
51	A	0.2	105	A	0.2	105	A	0.2	105	A	0.3	105	A	0.3	105	A	0.4	105	A	0.4	105	A	0.4	105	A	0.4	105	A	0.3	105	A	0.3	105
52	A	0.4	91	A	0.4	91	A	0.4	91	A	0.8	91	A	0.7	91	A	0.7	91	A	1.1	91	A	1.	91	A	0.8	91	A	0.7	91	A	0.7	91
53	A	0.2	80	A	0.2	80	A	0.2	80	A	0.2	80	A	0.2	80	A	0.3	80	A	0.4	80	A	0.4	80	A	0.3	80	A	0.2	80	A	0.3	80
54	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8	A	0.	8
55	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27
56	A	0.3	84	A	0.3	84	A	0.3	84	A	0.4	84	A	0.4	84	A	0.7	84	A	1.	84	A	1.	84	A	0.9	84	A	0.5	84	A	0.5	84
57	A	0.1	58	A	0.1	58	A	0.1	58	A	0.2	58	A	0.2	58	A	0.2	58	A	0.2	58	A	0.2	58	A	0.2	60	A	0.2	60	A	0.2	60
58	A	0.1	48	A	0.1	48	A	0.1	48	A	0.2	48	A	0.2	48	A	0.2	48	A	0.2	48	A	0.2	48	A	0.2	48	A	0.1	48	A	0.1	48
59	A	0.1	41	A	0.1	41	A	0.1	41	A	0.1	41	A	0.1	41	A	0.1	41	A	0.1	41	A	0.1	41	A	0.1	41	A	0.1	41	A	0.1	33
60	A	0.2	105	A	0.2	105	A	0.2	105	A	0.4	105	A	0.3	105	A	0.4	105	A	0.5	105	A	0.5	105	A	0.4	105	A	0.4	105	A	0.4	105
61	A	0.	47	A	0.1	47	A	0.1	47	A	0.1	47	A	0.1	47	A	0.1	47	A	0.1	47	A	0.1	47	A	0.1	47	A	0.1	47	A	0.1	47
62	A	0.3	136	A	0.3	136	A	0.3	136	A	0.5	136	A	0.5	136	A	0.6	136	A	0.9	136	A	0.8	136	A	0.8	136	A	0.6	136	A	0.6	136
63	A	0.2	106	A	0.2	106	A	0.2	106	A	0.3	106	A	0.3	106	A	0.3	106	A	0.4	106	A	0.4	106	A	0.4	106	A	0.3	106	A	0.3	106
64	A	0.1	78	A	0.1	78	A	0.2	78	A	0.3	78	A	0.3	78	A	0.3	78	A	0.3	78	A	0.3	78	A	0.3	78	A	0.2	78	A	0.2	78

Table 176 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
65	A 0.2 66	A 0.1 66	A 0.1 66	A 2.3 66	A 2.2 66	A 2.4 66	A 5. 66	A 4.8 66	A 4.3 66	A 3.8 66	A 0.7
66	A 0.3 85	A 0.3 85	A 0.3 85	A 0.5 125	A 0.5 125	A 0.5 125	A 0.7 125	A 0.5 125	A 0.4 125	A 0.4 125	A 0.4
67	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0.
68	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
69	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
70	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
71	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0.
72	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
73	A 0.3 72	A 0.3 72	A 0.3 72	A 0.3 102	A 0.3 102	A 0.3 102	A 0.3 102	A 0.2 102	A 0.2 102	C 3.3 206	C 3.2
74	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
75	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
76	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
77	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
78	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
79	A 0.1 125	A 0.1 125	A 0.1 125	A 4.2 138	A 4. 138	A 4.2 138	A 8.5 138	A 8.2 138	A 7.5 138	A 5.6 138	A 0.6
80	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
81	A 0.4 178	A 0.3 178	A 0.3 178	A 2.7 178	A 2.6 178	A 2.8 178	A 6.3 104	A 5.6 104	A 5.5 104	A 4.1 104	A 0.9
82	A 0.6 191	A 0.6 191	A 0.6 191	A 0.4 133	A 0.4 133	A 0.4 133	A 0.6 133	A 0.5 133	A 0.5 133	A 0.4 133	A 0.3
83	A 0.3 69	A 0.2 69	A 0.2 69	B 0.8 133	B 0.8 133	B 0.9 133	B 1.4 133	B 1.1 133	B 1. 133	B 1. 133	B 0.7
84	B 0. 114	B 0. 114	B 0. 114	B 0. 114	B 0. 114	B 0.1 114	B 0.1 114	B 0.1 114	B 0.1 114	B 0.1 114	B 0.1
85	A 0.2 152	A 0.2 152	A 0.2 152	B 0.5 230	B 0.4 230	B 0.5 230	B 0.7 230	B 0.5 230	B 0.5 230	B 0.4 230	B 0.4
86	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	B 0. 45	B 0. 45	B 0. 45	B 0. 45	B 0.
87	A 0.8 116	A 0.8 116	A 0.8 116	A 2.1 144	A 2.1 144	A 4.2 144	C 6.1 177	A 5.7 144	A 5. 144	B 2.4 202	B 2.7
88	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
89	A 0.2 150	A 0.2 150	A 0.2 150	A 4.4 150	A 4.1 150	A 4.6 150	A 8.2 150	A 7.9 150	A 7.3 150	A 5.4 150	A 0.6
90	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
91	A 0.4 263	A 0.4 263	A 0.4 263	A 6.7 282	A 6.5 282	A 7. 282	A 12.4 255	A 11.4 255	A 10.4 255	A 7.9 255	A 1.2
92	A 0.1 13	A 0.1 13	A 0.1 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0.
93	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
94	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
95	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
96	B 5.7 558	B 6.6 565	B 6.6 565	B 10. 490	B 9.7 490	B 10.1 490	A 12.8 337	A 13. 337	A 10.6 353	A 8.1 353	A 3.8
97	A 0.4 85	A 0.5 85	A 0.5 85	A 0.7 137	A 0.7 137	A 0.7 137	A 0.9 137	A 0.8 137	A 0.7 137	C 6.2 421	C 6.2
98	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0

Table 176 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8					
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size			
99	A	0.3	71	A	0.3	71	A	0.3	71	A	0.2	71	A	0.2	71	A	0.2	71	A	0.2	71	A	0.2	71	A	0.2	71	A	0.2	71	A	0.3	71			
100	A	0.3	93	A	0.3	93	A	0.3	93	A	0.3	93	A	0.3	93	A	0.3	93	A	0.4	93	A	0.4	93	A	0.3	93	A	0.3	93	A	0.4	93			
101	A	0.3	66	A	0.3	66	A	0.3	66	A	0.3	66	A	0.2	66	A	0.2	66	A	0.3	66	A	0.3	66	A	0.3	66	A	0.3	66	C	7.5	272	C	3.8	66
102	A	0.3	70	A	0.3	70	A	0.3	70	A	0.3	70	A	0.2	70	A	0.3	70	A	0.3	70	A	0.3	70	A	0.2	70	A	0.2	70	C	1.7	142	C	1.3	70
103	A	0.1	13	A	0.1	13	A	0.1	13	A	0.1	13	A	0.1	13	A	0.1	13	A	0.1	13	A	0.1	13	A	0.1	13	A	0.1	13	A	0.1	13	A	0.1	13
104	A	0.1	23	A	0.1	23	A	0.1	23	A	0.1	23	A	0.1	23	A	0.1	23	A	0.1	23	A	0.1	23	A	0.1	23	A	0.1	23	A	0.1	23	A	0.1	23
105	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56
106	A	0.3	25	A	0.3	25	A	0.3	25	A	0.2	25	A	0.2	25	A	0.2	25	A	0.1	25	A	0.1	25	A	0.1	25	A	0.1	25	A	0.1	25	A	0.1	25
107	A	0.4	46	A	0.4	46	A	0.4	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46
108	C	0.5	206	C	0.5	206	C	0.5	206	C	0.8	206	C	0.7	206	C	0.7	206	C	1.3	206	C	1.2	206	C	1.1	206	C	1.1	206	C	1.1	206	C	1.1	206
109	C	0.4	133	C	0.4	133	C	0.4	133	C	0.7	133	C	0.6	133	C	0.6	133	C	1.1	133	C	1.1	133	C	0.9	133	C	0.8	127	C	0.8	127	C	0.7	133
110	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26	A	0.1	26
111	A	0.1	12	A	0.1	12	A	0.1	11	A	0.1	16	A	0.1	16	A	0.1	16	A	0.1	16	A	0.1	16	A	0.1	16	A	0.1	16	A	0.1	16	A	0.1	16
112	C	1.5	502	C	1.5	502	C	1.6	502	C	2.2	502	C	3.6	659	C	4.3	659	A	0.6	65	A	0.6	65	A	0.5	104	A	0.5	104	A	0.5	104	A	0.3	65
113	A	0.1	42	A	0.1	42	A	0.1	42	A	0.1	42	A	0.1	42	A	0.1	42	A	0.2	80	A	0.2	80	A	0.2	80	A	0.2	80	A	0.1	80	A	0.1	42
114	A	0.2	83	A	0.2	83	A	0.2	83	A	0.3	83	A	0.2	83	A	0.3	83	A	0.5	140	A	0.5	140	A	0.5	140	A	0.4	140	A	0.4	140	A	0.4	83
115	A	0.1	17	A	0.1	17	A	0.1	17	A	0.1	17	A	0.1	17	A	0.1	17	A	0.1	17	A	0.1	17	A	0.1	17	A	0.1	17	A	0.1	17	A	0.1	17
116	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31
117	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.2	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75
118	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	31
119	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74
120	A	0.4	78	A	0.4	78	A	0.5	78	A	0.3	99	A	0.3	99	A	0.3	99	A	0.5	78	A	0.4	78	A	0.4	79	A	0.4	79	A	0.4	79	A	0.4	78
121	A	0.2	23	A	0.2	23	A	0.2	23	A	0.1	23	A	0.1	23	A	0.1	23	A	0.2	23	A	0.2	23	A	0.2	23	A	0.2	23	A	0.1	23	A	0.1	23
122	A	0.3	150	A	0.3	150	A	0.4	150	A	0.5	150	A	0.5	150	A	0.5	150	A	0.8	150	A	0.7	150	A	0.7	150	A	0.7	150	A	0.7	150	A	0.6	150
123	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	53	A	0.1	53	A	0.1	53	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32	A	0.1	32
124	A	0.1	10	A	0.1	10	A	0.1	10	A	0.1	10	A	0.1	10	A	0.1	10	A	0.1	10	A	0.1	10	A	0.1	10	A	0.1	10	A	0.1	10	A	0.1	10
125	A	0.1	20	A	0.1	20	A	0.1	18	B	0.1	43	B	0.1	43	B	0.1	43	A	0.1	20	A	0.1	20	A	0.1	20	A	0.1	20	A	0.1	20	A	0.1	20
126	A	0.1	9	A	0.1	9	A	0.1	9	A	0.1	9	A	0.1	9	A	0.1	9	A	0.1	9	A	0.1	9	A	0.1	9	A	0.1	9	A	0.1	9	A	0.1	9
127	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	37	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	37
128	A	0.1	30	A	0.1	30	A	0.1	30	A	0.1	30	A	0.1	30	A	0.1	30	A	0.2	30	A	0.2	30	A	0.1	30	A	0.1	30	A	0.1	30	A	0.1	30
129	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35	A	0.1	35
130	A	0.3	125	A	0.3	125	A	0.3	125	A	0.2	125	A	0.2	125	A	0.2	125	A	0.3	125	A	0.3	125	A	0.3	125	A	0.3	125	A	0.2	125	A	0.2	125
131	A	0.3	61	A	0.4	61	A	0.3	61	A	0.3	61	A	0.2	61	A	0.3	61	A	0.3	61	A	0.3	61	A	0.3	61	A	0.3	61	A	0.2	61	A	0.2	61
132	A	0.4	205	A	0.4	205	A	0.4	205	A	0.5	205	A	0.4	205	A	0.5	205	A	0.7	205	A	0.7	205	A	0.6	205	A	0.6	205	A	0.6	205	A	0.5	205

Table 176 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
133	A	0.2	66	A	0.2	66	A	0.2	66	A	0.3	66	A	0.2	66	A	0.3	66	A	0.4	66	A	0.4	66	A	0.3	66	A	0.3	66	A	0.3	66
134	A	0.3	204	A	0.3	204	A	0.3	204	A	0.4	204	A	0.3	204	A	0.4	204	A	0.8	204	A	0.7	204	A	0.7	206	A	0.6	206	A	0.5	206
135	B	0.1	40	B	0.1	40	B	0.1	40	B	0.1	40	B	0.1	40	B	0.1	40	B	0.1	40	B	0.1	40	B	0.1	40	B	0.1	40	B	0.1	40
136	A	1.1	366	A	1.	366	A	1.	366	A	1.6	366	A	1.4	366	A	1.7	366	A	3.1	366	A	3.	366	A	2.4	366	A	3.3	298	A	3.2	298
137	A	0.9	134	A	0.8	134	A	0.8	134	A	1.2	134	A	1.1	134	A	1.4	134	A	2.5	134	A	2.3	134	A	2.2	134	A	1.7	134	A	1.5	134
138	A	0.	15	A	0.1	15	A	0.1	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15	A	0.	15
139	A	0.1	116	A	0.1	116	A	0.1	116	A	0.2	116	A	0.2	116	A	0.2	116	A	0.2	116	A	0.2	116	A	0.2	116	A	0.1	116	A	0.1	116
140	A	0.2	105	A	0.2	105	A	0.2	105	A	0.3	105	A	0.3	105	A	0.3	105	A	0.5	105	A	0.5	105	A	0.5	105	A	0.4	105	A	0.4	105
141	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.	55	A	0.	55	A	0.	55
142	B	0.2	87	B	0.2	87	B	0.2	87	B	0.3	87	B	0.3	87	B	0.3	87	B	0.5	87	B	0.5	87	B	0.4	87	B	0.4	87	B	0.4	87
143	A	0.3	148	A	0.3	148	A	0.4	148	A	0.6	148	A	0.5	148	A	0.5	148	A	1.	148	A	0.9	148	A	0.9	148	A	0.8	148	A	0.7	148
144	A	0.2	134	A	0.2	134	A	0.2	134	A	0.3	134	A	0.3	134	A	0.3	134	A	0.3	134	A	0.3	134	A	0.2	134	A	0.2	126	A	0.2	126
145	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24	A	0.	24
146	A	0.1	68	A	0.1	68	A	0.1	68	A	0.2	68	A	0.2	68	A	0.2	68	A	0.2	68	A	0.2	68	A	0.2	68	A	0.2	68	A	0.2	68
147	C	6.2	2492	C	6.2	2492	C	6.2	2492	C	6.4	2492	C	6.3	2492	C	6.4	2492	C	6.6	2492	C	6.6	2492	C	6.5	2492	C	6.4	3251	C	6.4	3251
148	C	47.7	4500	C	55.5	4500	C	55.8	4500	C	76.	10223	C	73.9	10223	C	74.9	10223	C	77.4	10223	C	76.9	10223	C	76.1	10223	C	85.6	10223	C	117.	10223
149	C	47.3	4260	C	55.2	4260	C	57.1	4260	C	74.3	9861	C	73.5	9861	C	74.3	9861	C	76.7	9861	C	76.2	9861	C	75.3	9861	C	86.8	9861	C	120.	9861
150	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54
151	A	0.7	107	A	0.8	107	A	0.7	107	A	0.4	107	A	0.3	107	A	0.4	107	A	0.5	107	A	0.4	107	A	0.4	127	A	0.4	127	A	0.2	127
152	A	0.7	119	A	0.7	119	A	0.8	119	A	0.3	119	A	0.3	119	A	0.3	119	A	0.3	119	A	0.3	119	A	0.3	119	A	0.3	119	A	0.2	119
153	A	1.2	465	A	1.2	465	A	1.2	465	A	1.2	465	A	1.2	465	A	1.9	465	A	3.2	465	A	2.7	465	A	2.8	465	A	1.6	465	A	1.9	465
154	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1
155	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1
156	C	5.2	549	C	5.5	549	C	5.7	549	A	0.1	42	A	0.1	42	A	0.2	42	A	0.2	42	A	0.2	42	A	0.2	50	A	0.2	50	A	0.2	50
157	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1
158	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1	A	0.	1
159	A	2.7	283	A	2.7	283	A	2.7	283	A	0.8	283	A	0.7	283	A	0.8	283	A	0.9	283	A	0.9	283	A	0.8	283	A	0.8	283	A	0.8	283
160	A	1.6	258	A	1.6	258	A	1.6	258	A	0.6	258	A	0.5	258	A	0.7	258	A	0.6	258	A	0.5	258	A	0.5	258	A	0.5	258	A	0.4	258
161	A	0.	57	A	0.	57	A	0.	57	A	0.1	57	A	0.1	57	A	0.1	57	C	0.1	65	C	0.1	65	C	0.1	65	C	0.1	65	C	0.1	65
162	A	0.1	66	A	0.1	66	A	0.1	66	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74
163	A	0.6	162	A	0.6	162	A	0.6	162	A	0.7	162	A	0.6	162	A	0.7	162	A	1.1	162	A	0.9	162	A	0.8	162	A	0.6	177	A	0.6	177
164	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38	A	0.	38
165	A	1.	202	A	1.	202	A	1.	202	A	0.9	202	A	0.9	202	A	1.1	202	A	1.9	202	A	1.8	202	A	1.7	202	A	1.3	202	A	2.3	202
166	A	0.7	119	A	0.7	119	A	0.6	119	A	0.5	119	A	0.5	119	A	0.6	119	A	0.9	119	A	0.9	119	A	0.8	119	A	0.7	119	A	0.9	119

Table 176 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
167	A	0.1	61	A	0.	61	A	0.	61	A	0.1	61	A	0.1	61	A	0.1	61	A	0.3	69	A	0.3	69	A	0.3	69	A	0.2	69	A	0.2	69
168	A	0.1	58	A	0.1	58	A	0.1	58	A	0.2	58	A	0.2	58	A	0.2	58	A	0.2	58	A	0.2	58	A	0.2	58	A	0.1	58	A	0.1	58
169	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.2	56	A	0.2	56	A	0.1	56	A	0.1	56	A	0.1	56
170	A	1.6	250	A	1.8	250	A	1.3	250	A	3.6	255	A	3.2	255	A	3.9	255	A	2.9	255	A	2.7	255	A	2.5	255	A	6.5	311	A	5.4	311
171	A	0.1	51	A	0.	51	A	0.	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51	A	0.1	51
172	A	0.	45	A	0.	45	A	0.	45	A	0.1	45	A	0.1	45	A	0.1	45	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46	A	0.1	46
173	A	0.	34	A	0.	34	A	0.	34	A	0.1	34	A	0.1	34	A	0.1	34	A	0.1	34	A	0.1	34	A	0.	34	A	0.	34	A	0.	34
174	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.1	67	A	0.2	70	A	0.2	70	A	0.2	70	A	0.2	70	A	0.2	70
175	A	0.1	54	C	1.1	179	C	1.1	179	C	1.8	179	C	1.7	179	C	2.9	179	A	0.2	54	A	0.2	54	A	0.1	54	A	0.1	54	A	0.1	54
176	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25
177	A	0.	34	A	0.	34	A	0.	34	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35	A	0.	35
178	A	0.	54	A	0.	54	A	0.	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54
179	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.2	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73
180	A	0.	43	A	0.	43	A	0.	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43
181	C	0.1	64	C	0.1	64	C	0.1	64	C	0.1	64	C	0.1	64	C	0.1	64	C	0.1	64	C	0.1	64	C	0.1	73	C	0.1	73	C	0.1	73
182	A	0.	31	A	0.	31	A	0.	31	A	0.1	31	A	0.1	31	A	0.1	31	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43	A	0.1	43
183	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55	A	0.1	55
184	A	0.1	47	A	0.1	47	A	0.1	47	A	0.2	47	A	0.1	47	A	0.2	47	A	0.2	47	A	0.1	47	A	0.1	47	A	0.1	47	A	0.1	47
185	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38	A	0.1	38
186	A	0.5	105	A	0.4	105	A	0.4	105	A	0.7	92	A	0.7	92	A	0.7	92	A	1.1	92	A	0.9	92	A	0.7	97	A	0.8	97	A	0.6	97
187	A	1.2	159	A	1.1	159	A	1.1	159	A	1.6	159	A	1.5	159	A	1.6	159	A	2.4	159	A	1.7	159	A	1.5	159	A	4.	155	A	1.9	155
188	A	0.2	85	A	0.2	85	A	0.2	85	A	0.6	93	A	0.6	93	A	0.6	93	A	0.9	93	A	0.7	93	A	0.5	105	A	0.5	105	A	0.5	105
189	A	0.8	113	A	0.8	113	A	0.7	113	A	1.	113	A	1.	113	A	1.1	113	A	1.5	113	A	1.3	113	A	1.2	113	A	0.7	113	A	0.7	113
190	A	0.8	118	A	0.8	118	A	0.8	118	A	1.3	118	A	1.3	118	A	1.4	118	A	2.1	118	A	1.9	118	A	1.8	118	A	1.6	118	A	1.5	118
191	A	0.6	86	A	0.6	86	A	0.6	86	A	1.	86	A	1.	86	A	1.5	86	A	2.7	86	A	2.5	86	A	2.3	86	A	1.	86	A	1.	86
192	A	1.	172	A	0.9	172	A	0.8	172	A	1.1	172	A	1.1	172	A	1.2	172	A	1.6	172	A	1.2	172	A	1.6	173	A	2.9	184	A	1.4	184
193	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
194	A	0.1	22	A	0.1	22	A	0.1	22	A	0.2	22	A	0.2	22	A	0.2	22	A	0.2	22	A	0.1	22	A	0.1	22	A	0.	22	A	0.	22
195	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22
196	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17	A	0.	17
197	A	0.1	22	A	0.1	22	A	0.1	22	A	0.1	23	A	0.1	23	A	0.1	23	A	0.1	23	A	0.1	22	A	0.1	22	A	0.	22	A	0.1	22
198	A	0.	11	A	0.	11	A	0.	11	A	0.1	20	A	0.1	20	A	0.1	20	A	0.1	20	A	0.1	20	A	0.1	20	A	0.1	20	A	0.1	20
199	B	0.	11	B	0.	11	B	0.	11	A	0.	4	A	0.	4	A	0.	4	A	0.	4	A	0.	4	A	0.	4	A	0.	4	A	0.	4
200	A	0.2	74	A	0.2	74	A	0.2	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.1	74	A	0.2	74	A	0.1	74	A	0.1	74	A	0.2	74

Table 176 – continued from previous page

	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8								
#	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size						
201	A	0.1	20	A	0.1	20	A	0.1	20	F	0	0	F	0	0	F	0	0	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20	A	0.	20			
202	B	0.	46	B	0.	46	B	0.	46	B	0.	46	B	0.	46	B	0.	46	B	0.1	51	B	0.1	51	B	0.1	51	B	0.1	51	B	0.1	51	B	0.1	51	B	0.1	51
203	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25	A	0.	25
204	A	0.1	28	A	0.1	28	A	0.1	28	A	0.1	28	A	0.1	28	A	0.1	28	A	0.1	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28
205	A	0.1	28	A	0.1	28	A	0.1	28	A	0.1	28	A	0.1	28	A	0.1	28	A	0.1	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28
206	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28	A	0.	28
207	A	0.	39	A	0.	41	A	0.	41	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27	A	0.	27
208	A	1.7	17	A	1.8	17	A	1.9	17	A	1.2	17	A	1.1	17	A	1.1	17	A	1.4	17	A	1.3	17	A	1.2	17	A	1.1	17	A	0.9	17	A	0.9	17	A	0.9	17
209	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22	A	0.	22
210	A	0.2	30	A	0.2	30	A	0.2	30	A	0.2	30	A	0.2	30	A	0.2	30	A	0.3	30	A	0.2	30	A	0.2	30	A	0.2	30	A	0.2	30	A	0.2	30	A	0.2	30
211	B	6.8	115	B	6.8	115	B	6.8	115	B	1.5	115	B	1.3	115	B	1.6	115	B	0.4	115	B	0.3	115	B	0.3	115	B	0.3	115	B	0.3	115	B	0.3	115	B	0.3	115

2.175 7\_Inverse\_hyperbolic\_functions\7.1aInversehyperbolic\_sine\7.1.2(dx)^m(a+barcsinh(cx))^n

Table 177: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49
2	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0.1 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42
3	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28
4	A 0. 72	A 0. 72	A 0. 72	A 0.1 72	A 0. 72	A 0. 72	A 0.1 72	A 0.1 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72
5	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34
6	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
7	A 0.1 64	A 0. 64	A 0. 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64
8	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.2 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117
9	A 1.6 268	A 1.5 268	A 1.5 268	A 2.3 268	A 2.2 268	A 2.4 268	A 4.1 268	A 2.7 268	A 2.6 268	A 2.8 268	A 2.5 268	A 2.3 268	A 2.3 268
10	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67
11	C 0.2 113	C 0.2 113	C 0.2 113	C 0.3 113	C 0.3 113	C 0.3 113	C 0.4 113	C 0.3 113	C 0.3 113	C 0.3 113	C 0.3 113	C 0.3 113	C 0.2 113
12	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
13	A 0.2 69	A 0.2 69	A 0.2 69	A 0.2 69	A 0.2 69	A 0.2 69	A 0.3 69	A 0.2 69	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82
14	A 0. 62	A 0. 62	A 0. 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0. 62	A 0. 62	A 0. 62
15	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.2 84	A 0.2 84	A 0.2 84	A 0.2 84	A 0.2 84	A 0.2 84	A 0.1 84
16	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
17	A 0.1 99	A 0.1 99	A 0.1 99	A 0. 102	A 0. 102	A 0. 102	A 0.3 142	A 0.3 142	A 0.3 149	A 0.3 149	A 0.3 149	A 0.3 149	A 0.2 149
18	A 0.1 152	A 0.1 152	A 0.1 152	A 0.1 152	A 0.1 152	A 0.1 152	A 1.4 264	A 1.4 264	A 1.3 264	A 1. 264	A 0.9 264	A 0.8 264	A 0.8 264
19	A 0.1 99	A 0.1 99	A 0.1 99	A 0. 101	A 0. 101	A 0. 101	A 0.7 170	A 0.6 170	A 0.8 175	A 0.6 175	A 0.6 175	A 0.6 175	A 0.5 175
20	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
21	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
22	A 0. 126	A 0. 126	A 0. 126	A 0. 126	A 0. 126	A 0. 126	A 0.6 112	A 0.5 112	A 0.4 111	A 0.4 111	A 0.4 111	A 0.4 111	A 0.3 111
23	A 0.3 339	A 0.2 339	A 0.2 339	A 0.4 343	A 0.4 343	A 0.4 343	A 1.2 213	A 1. 213	A 1.7 225	A 1.3 225	A 1.2 225	A 1. 225	A 1. 225
24	A 0.3 184	A 0.3 184	A 0.2 184	A 0.5 174	A 0.4 174	A 0.6 174	A 1.3 132	A 1.2 132	A 1.2 149	A 1.1 149	A 0.9 149	A 0.8 149	A 0.8 149
25	A 0.2 98	A 0.1 98	A 0.1 98	A 0.2 98	A 0.2 98	A 0.2 98	A 0.4 83	A 0.4 83	A 0.3 83	A 0.4 83	A 0.3 83	A 0.3 83	A 0.3 83
26	A 0.5 210	A 0.5 210	A 0.4 210	A 0.7 210	A 0.7 210	A 1.6 210	A 0.7 166	A 0.6 166	A 1. 168	A 1. 168	A 0.9 168	A 0.7 168	A 0.7 168
27	A 0.2 118	A 0.2 118	A 0.2 118	A 0.3 118	A 0.2 118	A 0.4 118	A 0.4 91	A 0.4 91	A 0.4 91	A 0.3 91	A 0.2 91	A 0.2 91	A 0.2 91
28	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
29	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
30	A 0.3 198	A 0.2 198	A 0.2 198	A 0.5 215	A 0.5 215	A 0.5 215	A 13.2 573	A 12.2 573	A 11.9 573	A 11.9 573	A 11. 573	A 9.3 573	A 9.3 573

Table 177 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0.1 108	A 0. 108	A 0. 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.4 104	A 0.4 104	A 0.3 104	A 0.3 104	A 0.6 104	A 0.5 104	g
32	A 0.3 290	A 0.3 290	A 0.3 290	A 0.4 290	A 0.4 290	A 0.4 290	A 4. 247	A 3.6 247	A 2.6 283	A 2.4 283	F 0 0	F 0 0	



2.176 7\_Inverse\_hyperbolic\_functions\7.1aInversehyperbolic sine\7.1.4a(fx)^m(d+c^2dx^2)^p(a+barcsin

Table 178: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 88	A 0. 88	A 0. 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88
2	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84
3	A 0. 86	A 0. 86	A 0. 86	A 0.1 86	A 0. 86	A 0. 86	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66
4	A 0.1 111	A 0. 111	A 0. 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.2 101	A 0.2 101	A 0.2 101	A 0.1 101	A 0.1 101	A 0.1 101
5	A 0.1 115	A 0.1 115	A 0.1 115	A 0.1 115	A 0.1 115	A 0.1 115	A 0.2 115	A 0.2 115	A 0.1 115	A 0.1 115	A 0.1 115	A 0.1 115
6	A 0.2 244	A 0.1 244	A 0.1 244	A 0.5 184	A 0.5 184	A 0.6 184	A 0.3 192	A 0.3 192	A 0.3 192	A 0.2 192	A 0.2 192	A 0.2 192
7	A 0.1 171	A 0.1 171	A 0.1 171	A 0.2 171	A 0.2 171	A 0.2 171	A 0.2 171	A 0.2 171	A 0.2 171	A 0.2 171	A 0.1 171	A 0.1 182
8	A 0.2 181	A 0.1 181	A 0.1 181	A 0.2 181	A 0.2 181	A 0.2 181	C 0.4 286	C 0.3 286	C 0.3 286	C 0.2 286	C 0.2 286	C 0.2 286
9	A 0.1 135	A 0.1 135	A 0.1 135	A 0.1 135	A 0.1 135	A 0.1 135	B 0.1 189	B 0.1 189	B 0.1 189	B 0.1 189	B 0.1 189	B 0.1 189
10	B 0.2 240	B 0.2 240	B 0.2 240	B 0.3 240	B 0.3 240	B 0.3 240	C 1. 344	C 0.7 344	C 0.7 344	C 0.6 344	C 0.5 344	C 0.4 344
11	A 0.1 247	A 0.1 247	A 0.1 247	A 0.2 247	A 0.2 247	A 0.2 247	B 0.3 337	B 0.3 337	B 0.2 337	B 0.2 337	B 0.2 337	B 0.2 382
12	C 0.4 253	C 0.4 253	C 0.4 253	C 0.6 253	C 0.6 253	C 0.7 253	B 2.4 348	B 1.9 348	B 1.7 348	B 1. 348	B 0.8 348	B 0.8 352
13	A 0.3 340	A 0.3 340	A 0.3 340	A 0.5 340	A 0.4 340	A 0.4 340	A 1.6 362	A 1.3 362	B 5.2 436	B 1.5 436	B 1.3 436	B 1.1 436
14	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120
15	A 0.3 129	A 0.3 129	A 0.3 129	A 0.4 129	A 0.3 129	A 0.4 129	A 0.6 129	A 0.5 129	A 0.5 129	A 0.4 129	A 0.4 115	A 0.3 117
16	A 0.3 117	A 0.3 117	A 0.3 117	A 0.2 131	A 0.2 131	A 0.2 131	A 0.2 131	A 0.2 131	A 0.2 131	A 0.2 119	A 0.1 131	A 0.2 119
17	A 0.6 251	A 0.6 251	A 0.6 251	A 0.8 251	A 0.7 251	A 0.8 251	A 1.2 251	A 1.2 251	A 2.8 236	A 1.9 236	A 1.7 236	A 1.3 238
18	A 1. 287	A 0.9 286	A 1. 286	A 1.1 287	A 1. 287	A 1.1 287	A 1.7 286	A 1.6 286	A 3.1 283	A 2.2 283	A 1.9 272	A 1.5 274
19	A 0.2 119	A 0.2 119	A 0.2 119	A 0.2 119	A 0.2 119	A 0.2 119	A 0.2 119	A 0.2 119	A 0.2 119	A 0.2 119	A 0.2 119	A 0.1 119
20	A 0.6 151	A 0.6 151	A 0.6 151	A 0.6 151	A 0.6 151	A 0.6 151	A 1. 151	A 1. 151	A 0.9 151	A 0.9 151	A 0.8 151	A 0.6 153
21	A 0.3 129	A 0.3 129	A 0.3 129	A 0.4 129	A 0.4 129	A 0.4 129	A 0.6 129	A 0.5 129	A 0.5 129	A 0.4 129	A 0.4 129	A 0.3 138
22	A 5.5 369	A 5.5 369	A 5.6 369	A 6.4 381	A 6.4 381	A 6.4 381	A 6.6 381	A 6.4 381	A 6.4 381	A 6.4 381	A 6.3 381	A 6.2 396
23	A 0.7 227	A 0.6 227	A 0.7 227	A 0.4 227	A 0.3 227	A 0.4 227	A 0.5 227	A 0.4 227	A 0.4 227	A 0.4 227	A 0.4 227	A 0.3 227
24	A 0. 48	A 0. 48	A 0. 48	A 0.1 48	A 0. 48	A 0. 48	A 0.1 48	A 0.1 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48
25	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42
26	A 0.3 257	A 0.3 257	A 0.3 257	A 0.5 257	A 0.5 257	A 0.6 257	A 3.1 503	A 2.8 503	A 2.3 487	A 1.6 487	A 1.3 487	A 1.1 483
27	A 0.2 177	A 0.2 177	A 0.2 177	A 0.3 177	A 0.2 177	A 0.3 177	A 0.3 177	A 0.3 177	A 0.3 177	A 0.3 177	A 0.2 177	A 0.2 177
28	A 0.3 192	A 0.3 192	A 0.3 192	A 0.5 192	A 0.5 192	A 0.5 192	A 0.8 199	A 0.6 199	A 0.6 199	A 0.5 199	A 0.4 199	A 0.3 201
29	A 0.2 251	A 0.2 251	A 0.2 251	A 0.4 251	A 0.4 251	A 0.4 251	A 0.5 251	A 0.5 251	A 0.4 251	A 0.4 251	A 0.3 251	A 0.3 251
30	A 0.9 191	A 0.9 191	A 0.9 191	A 0.5 191	A 0.4 191	A 0.5 191	A 0.3 191	A 0.3 191	A 0.3 191	A 0.2 191	A 0.2 191	A 0.2 191

Table 178 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0.3 285	A 0.3 285	A 0.3 285	A 0.5 285	A 0.5 285	A 0.5 285	A 0.6 285	A 0.6 285	A 0.5 285	A 0.5 285	A 0.4 285	A 0.3 285
32	A 1.3 275	A 1.3 275	A 1.3 275	A 0.5 275	A 0.5 275	A 0.5 275	A 0.5 275	A 0.5 275	A 0.4 275	A 0.4 275	A 0.3 275	A 0.3 275
33	A 1.2 239	A 1.2 239	A 1.2 239	A 0.6 239	A 0.6 239	A 0.6 239	A 0.4 239	A 0.4 239	A 0.3 239	A 0.3 239	A 0.3 239	A 0.2 239
34	A 0.7 417	A 0.7 419	A 0.7 419	A 0.7 416	A 0.7 416	A 0.7 416	C 0.9 426	C 0.8 426	C 0.7 426	C 0.7 426	C 0.7 426	C 0.5 426
35	A 0.8 461	A 0.8 461	A 0.8 461	A 1.2 461	A 1.2 461	A 1.2 461	A 1.7 477	A 1.3 477	A 1.2 477	A 1.2 477	A 1. 477	A 0.8 507
36	A 0.2 274	A 0.2 274	A 0.2 274	A 0.3 274	A 0.3 274	A 0.3 274	B 0.5 309	B 0.3 309	B 0.3 309	B 0.3 309	B 0.2 309	B 0.2 309
37	A 0.5 145	A 0.5 145	A 0.5 145	A 0.3 145	A 0.2 145	A 0.2 145	A 0.2 145	A 0.2 145	A 0.2 145	A 0.2 145	A 0.1 145	A 0.1 145
38	C 7.1 688	C 7.6 688	C 7.7 701	C 9.6 759	C 9.6 759	C 10.2 759	C 12.1 1100	C 11.8 872	C 10.2 872	C 9.8 872	C 7.6 883	C 7.7 883
39	A 0.3 222	A 0.3 222	A 0.3 222	A 0.3 222	A 0.3 222	A 0.3 222	A 0.4 222	A 0.4 222	A 0.3 222	A 0.3 222	A 0.2 222	A 0.2 222
40	A 1.7 508	A 2. 508	A 2. 508	A 1.4 508	A 1.3 508	A 1.6 508	A 2.2 508	A 2.1 508	A 2. 508	A 1.7 508	A 1.4 508	A 1.1 510
41	A 7.8 771	A 7.7 771	A 7.8 771	A 8. 771	A 8. 771	A 8.1 771	A 9.8 771	A 8.1 771	A 8.2 771	A 8.1 771	A 6.9 767	A 6.7 782
42	A 3.6 757	A 3.4 757	A 3.5 757	A 4.8 710	A 4.6 710	A 5.5 710	A 7. 851	A 6.8 851	A 6.6 770	A 5.7 770	A 4.5 770	A 3.8 797
43	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98
44	A 0. 72	A 0. 72	A 0. 72	A 0.1 72	A 0. 72	A 0. 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0. 72	A 0. 72	A 0. 72
45	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48
46	A 0.3 65	A 0.3 65	A 0.3 65	A 0.4 65	A 0.3 65	A 0.3 65	A 0.5 65	A 0.4 65	A 0.4 65	A 0.4 65	A 0.3 65	A 0.2 65
47	A 0.3 230	A 0.3 230	A 0.3 230	A 0.4 230	A 0.4 230	A 0.5 230	A 0.6 230	A 0.6 230	A 0.5 230	A 0.4 230	A 0.3 230	A 0.3 230
48	A 1.1 198	A 1.1 198	A 1.1 198	A 1. 198	A 0.9 198	A 1. 198	A 1.4 198	A 1.4 198	A 2.1 198	A 1.7 198	A 1.5 198	A 1.1 200
49	A 0.6 168	A 0.6 168	A 0.7 168	A 0.5 168	A 0.5 168	A 0.5 168	A 0.6 168	A 0.5 168	A 0.4 168	A 0.4 168	A 0.4 168	A 0.3 168
50	A 3.6 455	A 3.6 455	A 3.7 455	A 6. 455	A 6. 455	A 5.5 455	A 7.4 462	A 6.2 455	A 5.6 455	A 6. 455	A 6.9 458	A 6.7 472
51	A 0.6 278	A 0.6 278	A 0.6 278	A 0.7 278	A 0.7 278	A 0.7 278	A 1.1 278	A 0.9 278	A 0.8 278	A 0.8 278	A 0.7 278	A 0.5 278
52	A 1.2 568	A 1.3 568	A 1.3 568	A 1.8 568	A 1.7 568	A 2.3 568	A 3.7 568	A 2.9 568	A 5.8 578	A 3.3 578	A 2.6 578	A 2.1 590
53	A 1.1 296	A 1.2 296	A 1.2 296	A 1. 296	A 1. 296	A 1. 296	A 1.2 296	A 1. 296	A 0.9 296	A 0.8 296	A 0.7 296	A 0.5 184
54	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
55	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 99
56	A 0.2 86	A 0.2 86	A 0.2 86	A 0.2 86	A 0.2 86	A 0.2 86	A 0.2 86	A 0.2 86	A 0.2 86	A 0.2 86	A 0.2 86	A 0.1 86
57	C 0.2 97	C 0.2 97	C 0.2 97	C 0.2 97	C 0.2 97	C 0.2 97	C 0.3 97	C 0.2 97	C 0.2 97	C 0.2 97	C 0.2 97	C 0.1 97
58	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
59	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
60	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
61	A 0.2 135	A 0.2 135	A 0.2 135	A 0.3 135	A 0.3 135	A 0.3 135	A 0.4 135	A 0.4 135	A 0.3 135	A 0.3 135	A 0.3 135	A 0.3 135
62	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
63	A 0.4 136	A 0.4 136	A 0.4 136	A 0.5 136	A 0.5 136	A 0.5 136	A 0.6 136	A 0.5 136	A 0.5 136	A 0.4 136	A 0.4 136	A 0.4 136
64	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

Table 178 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
65	A 0.7 180	A 0.8 180	A 0.7 180	A 1.1 180	A 1. 180	A 1. 180	A 1.5 180	A 1.4 180	A 1.2 180	A 1.1 180	A 1. 180	A 1.1 180
66	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 31
67	A 0.1 9	A 0.1 9	A 0.1 9	A 0.1 9	A 0.1 9	A 0.1 9	A 0.1 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9
68	A 0.4 136	A 0.4 136	A 0.4 136	A 0.4 136	A 0.4 136	A 0.4 136	A 0.5 136	A 0.5 136	A 0.4 136	A 0.3 136	A 0.3 136	A 0.3 136
69	A 0.2 46	A 0.2 46	A 0.2 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 45
70	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
71	A 0.3 82	A 0.3 82	A 0.3 82	A 0.4 82	A 0.3 82	A 0.4 82	A 0.4 82	A 0.4 82	A 0.3 98	A 0.3 98	A 0.3 98	A 0.3 98
72	A 0.2 73	A 0.1 73	A 0.2 73	A 0.2 73	A 0.2 73	A 0.2 73	A 0.3 73	A 0.2 73	A 0.2 73	A 0.2 73	A 0.2 73	A 0.2 73
73	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
74	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
75	A 0.6 399	A 0.6 399	A 0.6 399	A 0.9 399	A 0.9 399	A 1.1 399	A 1.5 399	A 1.4 399	A 1.3 399	A 0.9 399	A 0.8 399	A 0.9 399
76	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
77	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
78	A 0.9 413	A 0.9 413	A 0.9 413	A 1.3 413	A 1.3 413	A 1.4 413	A 2. 413	A 1.8 413	A 1.7 413	A 1.4 413	A 1.3 413	A 1.6 413
79	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
80	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
81	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
82	A 0.5 160	A 0.5 160	A 0.5 160	A 0.7 160	A 0.7 160	A 0.6 160	A 1.3 215	A 1. 215	A 0.9 215	A 0.9 215	A 0.8 215	A 0.7 215
83	A 1.1 288	A 0.9 288	A 1. 288	A 1.5 287	A 1.4 287	A 1.8 287	A 3.3 353	A 2.6 353	A 2.1 360	A 2. 360	A 1.8 360	A 1.6 360
84	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
85	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
86	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
87	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
88	A 0.3 126	A 0.3 126	A 0.3 126	A 0.3 126	A 0.3 126	A 0.3 126	A 0.4 126	A 0.4 126	A 0.3 126	A 0.3 126	A 0.3 126	A 0.3 126
89	A 0.3 201	A 0.3 201	A 0.3 201	A 0.4 201	A 0.4 201	A 0.4 201	A 0.9 232	A 0.8 232	A 0.8 232	A 0.7 232	A 0.7 232	A 0.6 232
90	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 110	A 0.3 114	A 0.3 114	A 0.2 114	A 0.2 114	A 0.2 114	A 0.2 114
91	A 0.2 133	A 0.2 133	A 0.2 133	A 0.3 133	A 0.2 133	A 0.2 133	A 0.4 133	A 0.3 133	A 0.3 133	A 0.3 133	A 0.3 133	A 0.2 133
92	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
93	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
94	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

2.177 7\_Inverse\_hyperbolic\_functions\7.1aInversehyperbolicssine\7.1.4b(fx)^m(d+ex^2)^p(a+barcsinh(cx))

Table 179: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.2 260	A 0.2 260	A 0.2 260	A 0.4 260	A 0.4 260	A 0.5 260	A 0.6 260	A 0.6 260	A 0.4 266	A 0.3 266	A 0.3 266	A 0.2 266	A
2	A 0.3 443	A 0.3 443	A 0.3 443	A 0.7 443	A 0.7 443	A 0.7 443	A 0.8 443	A 0.8 443	A 0.7 443	A 0.6 443	A 0.5 443	A 0.4 443	A
3	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
4	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
5	A 1.8 356	A 1.8 356	A 1.9 356	A 2.3 356	A 2.2 356	A 2.9 356	A 4.4 356	A 4. 356	A 3.8 356	A 2.5 356	A 2.2 356	A 2.2 356	A
6	A 2.3 319	A 1.8 319	A 1.9 319	A 3.2 319	A 3. 319	A 3.3 319	A 2.4 356	A 2.4 356	A 2.3 358	A 2.1 358	A 2.6 358	A 2. 358	A
7	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
8	A 2.3 770	A 2.2 770	A 2.3 770	A 5.1 770	A 4.8 770	A 5.1 770	A 4.7 582	A 4.3 582	A 4.8 582	A 4.3 582	A 4.9 582	A 3.9 582	A
9	A 0.3 251	A 0.3 251	A 0.3 251	A 0.7 251	A 0.6 251	A 0.7 251	A 0.9 143	A 0.8 143	A 0.8 143	A 0.8 143	A 1. 143	A 0.8 143	A
10	A 0.8 530	A 0.7 530	A 0.7 530	A 1.3 530	A 1.2 530	A 1.3 530	A 3. 519	A 2.8 519	A 2.5 519	A 2.3 519	A 5. 519	A 4.1 519	A
11	C 0.3 139	C 0.2 139	C 0.2 139	C 0.4 139	C 0.3 139	C 0.6 235	C 1.1 235	C 0.5 139	C 0.5 139	C 0.5 139	A 0.7 153	A 0.6 153	A
12	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F

## 2.178 7\_Inverse\_hyperbolic\_functions\7.1aInversehyperbolicsine\7.1.5Inversehyperbolicsinefunctions

Table 180: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 240	A 0.1 240	A 0.1 240	A 0.2 240	A 0.2 240	A 0.2 240	C 15.1 1061	C 21.1 1061	C 18.9 1114	C 5. 1114	F 0 0	F 0 0
2	A 0. 322	A 0. 322	A 0. 322	A 0.1 322	A 0.1 322	A 0.1 322	F 0 0	F 0 0	F 0 0	C 10.1 1370	F 0 0	F 0 0
3	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.2 121	A 0.2 121	A 0.2 121	A 0.1 121	A 0.1 121	A 0.1 121
4	A 0. 175	A 0. 175	A 0. 175	A 0. 175	A 0. 175	A 0.1 175	C 1.1 460	C 1. 460	C 1.4 348	C 0.6 348	C 0.7 348	C 0.6 348
5	A 0.3 205	A 0.3 205	A 0.3 205	A 0.5 205	A 0.4 205	A 0.4 205	A 0.8 205	A 0.7 205	A 0.8 205	A 0.9 205	A 0.6 205	A 0.6 205
6	A 0.8 150	A 0.8 150	A 0.8 150	A 0.8 150	A 0.8 150	A 0.8 150	A 1. 150	A 1. 150	A 0.9 150	A 0.9 150	A 0.8 150	A 0.8 150
7	A 0.2 71	A 0.2 71	A 0.2 71	A 0.2 71	A 0.1 71	A 0.1 71	A 0.2 71	A 0.2 71	A 0.2 71	A 0.2 71	A 0.2 71	A 0.2 71
8	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
9	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
10	A 0.7 301	A 0.7 301	A 0.7 301	A 1.1 301	A 1.1 301	A 1.1 301	A 1.6 301	A 1.6 301	A 3.1 303	A 2.5 303	A 2.1 303	A 1.6 303
11	A 0.9 208	A 0.8 208	A 0.9 208	A 1.3 208	A 1.3 208	A 1.5 208	A 2.4 208	A 2.3 208	A 2. 208	A 1.7 208	A 1.5 208	A 1.5 208
12	A 2.7 810	A 2. 810	A 2.1 810	A 7.2 1899	A 7.1 1899	A 7.2 1899	A 7.2 1899	A 7.2 1899	A 7.1 1899	A 6.8 1530	A 4.8 1530	A 4.8 1530
13	A 0.8 233	A 0.8 233	A 0.8 233	A 0.7 233	A 0.7 233	A 0.7 233	A 0.9 233	A 0.9 233	A 0.8 234	A 0.8 234	A 0.7 234	A 0.7 234
14	A 0.2 304	A 0.2 304	A 0.2 304	A 0.4 304	A 0.4 303	A 0.7 303	C 27.3 1547	C 35.3 1547	C 34.5 1553	C 12.7 1553	F 0 0	F 0 0
15	A 0. 60	A 0. 60	A 0. 60	A 0.1 60	A 0. 60	A 0. 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0. 60	A 0. 60
16	A 0. 153	A 0. 153	A 0. 153	A 0. 153	A 0. 153	A 0. 153	C 0.4 290	C 0.4 290	C 0.3 401	C 0.3 401	C 0.3 401	C 0.3 401
17	A 0.2 110	A 0.2 110	A 0.2 110	A 0.2 110	A 0.2 110	A 0.2 110	A 0.3 110	A 0.2 110	A 0.1 122	A 0.1 122	A 0.1 122	A 0.1 122
18	A 0. 346	A 0. 346	A 0. 346	A 0. 346	A 0. 346	A 0. 346	F 0 0	F 0 0	F 0 0	C 5.8 1093	F 0 0	F 0 0
19	A 0.2 524	A 0.2 524	A 0.2 524	A 0.3 524	A 0.3 524	A 0.3 524	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
20	A 0.2 44	A 0.2 44	A 0.2 44	A 0.2 44	A 0.2 44	A 0.2 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44
21	A 0.4 62	A 0.4 62	A 0.4 62	A 0.3 62	A 0.2 62	A 0.3 62	A 0.3 62	A 0.3 62	A 0.3 62	A 0.2 62	A 0.2 62	A 0.2 62
22	A 2.4 656	A 2.4 656	A 2.5 656	A 2. 656	A 1.9 656	A 2.4 656	A 3.3 656	A 3.1 656	A 2.9 656	A 2.4 656	A 2.8 656	A 2.8 656
23	A 2.6 322	A 2.5 322	A 2.6 322	A 2.9 301	A 2.7 301	A 3.6 301	A 3.5 264	A 3.2 264	A 2.5 306	A 2.3 306	F 0 0	F 0 0
24	A 0.6 238	A 0.5 238	A 0.5 238	A 0.7 238	A 0.7 238	A 0.7 238	A 1.5 171	A 1.3 171	A 0.9 199	A 0.8 199	F 0 0	F 0 0
25	A 0.1 79	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79
26	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69
27	A 1.4 229	A 1.3 229	A 1.3 229	A 1.8 212	A 1.7 212	A 1.7 212	A 3.1 229	A 2.1 229	A 2. 242	A 2. 242	A 3.8 302	A 3.8 302
28	A 0.3 258	A 0.3 258	A 0.3 258	A 0.4 258	A 0.3 258	A 0.3 258	A 0.4 258	A 0.4 258	A 0.4 258	A 0.4 257	A 0.3 257	A 0.3 257
29	A 0. 128	A 0. 128	A 0. 128	A 0.1 128	A 0. 128	A 0. 128	C 0.3 256	C 0.3 256	C 0.3 256	C 0.2 256	C 0.2 256	C 0.2 256
30	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

Table 180 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	B 1.4 510	B 1.3 510	B 1.3 510	B 1.7 501	B 1.8 501	B 2.5 501	B 4.5 510	B 3.2 510	B 3.3 510	B 2.1 510	B 1.7 510	B 1.5 510
32	C 1.1 360	C 1.1 360	C 1.1 360	C 1.4 360	C 1.3 360	C 1.4 360	C 2.2 360	C 1.8 360	C 1.7 360	C 1.5 360	C 1.3 360	C 1.3 360
33	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
34	A 0.3 151	A 0.3 151	A 0.4 151	A 0.4 151	A 0.3 151	A 0.3 151	A 0.3 151	A 0.3 151	A 0.3 151	A 0.2 151	A 0.2 151	A 0.2 151
35	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61
36	A 0.8 138	A 0.8 138	A 0.8 138	A 0.8 138	A 0.8 138	A 0.8 138	A 1.1 138	A 1.1 138	A 0.7 138	A 0.7 138	A 0.6 138	A 0.6 138
37	A 0.3 100	A 0.2 100	A 0.2 100	A 0.3 100	A 0.3 100	A 0.3 100	A 0.5 100	A 0.4 100	A 0.4 100	A 0.4 100	A 0.4 100	A 0.4 100
38	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
39	A 0.3 225	A 0.2 225	A 0.2 225	A 0.3 225	A 0.3 225	A 0.3 225	A 7.4 459	A 7. 459	A 7.1 459	A 6.8 459	A 7.6 459	A 6.8 459
40	B 2.1 458	B 1.8 458	B 1.9 458	B 3.4 458	B 3.2 458	B 4.1 458	A 2.4 224	A 1.9 224	A 2. 224	A 1.8 224	A 2. 224	A 1.8 224
41	A 0.1 125	A 0.1 125	A 0.1 125	A 0.1 125	A 0.1 125	A 0.1 125	A 11.9 288	A 11.3 288	A 10.4 288	A 11.3 288	A 9.8 288	A 8.5 288
42	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0.1 119	A 0.3 109	A 0.3 109	A 0.3 109	A 0.3 109	A 0.6 109	A 0.6 109
43	A 0.4 253	A 0.3 253	A 0.3 253	A 0.5 253	A 0.5 253	A 0.5 253	A 5.7 266	A 4.9 266	A 3.4 308	A 3.2 308	F 0 0	F 0 0
44	A 0.1 147	A 0.1 147	A 0.1 147	A 0.1 147	A 0.1 147	A 0.1 147	A 2.2 144	A 2. 144	A 1.5 172	A 1.5 172	F 0 0	F 0 0
45	A 0.1 155	A 0.1 155	A 0.1 155	A 0.2 155	A 0.2 155	A 0.3 155	A 0.9 127	A 0.8 127	A 0.6 155	A 0.6 155	F 0 0	F 0 0
46	A 1.3 390	A 1.1 390	A 1.1 390	A 1.9 390	A 1.8 390	A 2.1 390	A 10.8 316	A 9. 316	A 3.2 361	A 3.1 361	F 0 0	F 0 0
47	A 0.6 227	A 0.4 227	A 0.5 227	A 0.7 227	A 0.7 227	A 1. 227	A 2.7 170	A 2.5 170	A 1.4 198	A 1.3 198	F 0 0	F 0 0
48	A 2.3 701	A 2. 701	A 2. 701	A 2.9 701	A 2.8 701	A 3.5 701	A 12.5 528	A 12.4 528	A 6.5 586	A 6. 586	F 0 0	F 0 0
49	A 0.1 238	A 0.1 238	A 0.1 238	A 0.2 238	A 0.2 238	A 0.2 238	A 0.3 171	A 0.3 171	A 0.8 199	A 0.1 199	F 0 0	F 0 0
50	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
51	C 0.2 113	C 0.1 113	C 0.1 113	C 0.2 113	C 0.2 113	C 0.2 113	C 0.7 150	C 0.6 150	C 0.5 150	C 0.6 150	C 0.4 150	C 0.4 150
52	C 0. 61	C 0. 61	C 0. 61	C 0. 61	C 0. 61	C 0. 61	C 0.6 167	C 0.6 167	C 0.6 167	C 0.5 167	C 0.4 167	C 0.4 167
53	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 110	C 19.2 269	C 18.3 269	C 16.8 279	C 20.2 283	F 0 0	F 0 0
54	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
55	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
56	A 0.2 85	A 0.2 85	A 0.2 85	A 0.3 85	A 0.3 85	A 0.3 85	A 0.4 85	A 0.4 85	A 0.4 85	A 0.3 85	A 0.3 85	A 0.3 85
57	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
58	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
59	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44
60	C 0.1 75	C 0.1 75	C 0.1 75	C 0.1 75	C 0.1 75	C 0.1 75	C 0.2 75	C 0.2 75	C 0.2 75	C 0.2 75	C 0.2 75	C 0.2 75
61	C 0. 35	C 10. 35	C 10. 35	C 0. 35	C 0. 35	C 0. 35	C 0.1 59	C 0.1 59	C 0.1 59	C 0.1 59	C 0.1 59	C 0.1 59
62	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0.1 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50
63	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
64	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34

Table 180 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cp
65	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0.1 57	A 0.1 57	A 0. 57	A 0. 57	A 0. 57	A 0.0
66	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0.0
67	A 0. 62	A 0. 62	A 0. 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.0
68	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0.1 48	A 0.1 48	A 0. 48	A 0. 48	A 0. 48	A 0.0
69	A 1. 196	A 1.2 196	A 1.2 196	A 1.6 196	A 1.6 196	A 1.6 196	A 2.5 196	A 2.4 196	A 2.2 196	A 3. 196	A 1.3 214	A 0.0
70	A 0.5 308	A 0.6 308	A 0.6 308	A 0.9 308	A 0.8 308	A 0.9 308	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
71	A 0.1 162	A 0.1 162	A 0.1 162	A 0.1 162	A 0.1 162	A 0.1 162	A 0.2 162	A 0.2 162	A 0.2 162	A 0.2 162	A 0.1 162	A 0.0
72	A 0.6 192	A 0.6 192	A 0.6 192	A 0.8 192	A 0.8 192	A 1.1 192	A 1.9 192	A 2.2 192	A 2. 192	A 0.4 186	A 0.2 186	A 0.0
73	A 0.1 3	A 0.1 3	A 0.1 3	A 0.1 3	A 0.1 3	A 0.1 3	A 0.1 3	A 0.1 3	A 0. 3	A 0. 3	A 0. 3	A 0.0
74	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0.0
75	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0.0

2.179 7\_Inverse\_hyperbolic\_functions\7.1bInversehyperboliccosine\7.1.2(dx)^m(a+barccosh(cx))^n

Table 181: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 71	A 0. 71	A 0. 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 79
2	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0.1 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42
3	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35
4	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0. 65	A 0. 76	A 0. 76
5	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0. 77
6	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39
7	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0.1 48	A 0.1 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48
8	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0. 69
9	A 0.1 128	A 0.1 128	A 0.1 128	A 0.2 128	A 0.2 128	A 0.2 128	A 0.2 128	A 0.2 128	A 0.2 133	A 0.2 133	A 0.2 133	A 0.1 133	A 0. 133
10	A 0.4 201	A 0.4 201	A 0.4 201	A 0.6 201	A 0.5 201	A 0.6 201	A 0.9 201	A 0.7 201	A 0.7 208	A 0.6 208	F 0 0	F 0 0	F 0 0
11	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0.1 77	A 0.1 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77
12	A 0.9 112	A 0.7 112	A 0.8 112	A 1.1 112	A 1.1 112	A 1.2 112	A 2.1 112	A 1.7 112	A 1.4 112	A 1.2 112	A 1.1 112	A 0.8 112	A 0.8 112
13	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
14	A 0. 67	A 0. 67	A 0. 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67
15	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
16	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
17	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.3 112	A 0.2 112	A 0.3 115	A 0.3 115	A 0.3 115	A 0.2 115	A 0.2 115
18	A 0.1 152	A 0.1 152	A 0.1 152	A 0.1 152	A 0.1 152	A 0.1 152	A 1.7 246	A 1.7 246	A 1.6 246	A 1.3 246	A 1.1 246	A 0.9 246	A 0.9 246
19	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.8 172	A 0.7 172	A 0.8 175	A 0.6 175	A 0.6 175	A 0.4 175	A 0.4 175
20	A 0.1 92	A 0.1 92	A 0.1 92	A 0.2 92	A 0.2 92	A 0.2 92	A 0.3 92	A 0.3 92	A 0.2 92	A 0.2 92	A 0.2 92	A 0.2 92	A 0.2 92
21	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
22	A 0.1 124	A 0.1 124	A 0.1 124	A 0.2 124	A 0.2 124	A 0.2 124	A 0.5 110	A 0.4 110	A 0.4 110	A 0.4 110	A 0.3 110	A 0.3 110	A 0.3 110
23	A 0.6 194	A 0.4 194	A 0.5 194	A 0.8 194	A 0.7 194	A 0.7 194	A 1.2 152	A 1.1 152	A 1.1 153	A 0.9 153	A 0.8 153	A 0.6 153	A 0.6 153
24	A 0.2 83	A 0.2 83	A 0.2 83	A 0.3 83	A 0.3 83	A 0.3 83	A 0.4 83	A 0.4 83	A 0.4 83	A 0.4 83	A 0.4 83	A 0.3 83	A 0.3 83
25	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
26	A 0.7 286	A 0.5 286	A 0.5 286	A 0.8 286	A 0.8 286	A 0.9 286	A 0.7 172	A 0.7 172	A 1.2 172	A 1. 172	A 0.9 172	A 0.7 172	A 0.7 172
27	A 0.2 91	A 0.2 91	A 0.2 91	A 0.3 91	A 0.3 91	A 0.3 91	A 0.5 91	A 0.5 91	A 0.5 91	A 0.4 91	A 0.4 91	A 0.3 91	A 0.3 91
28	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
29	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0. 60	A 0. 60
30	A 0.4 214	A 0.3 214	A 0.3 214	A 0.5 214	A 0.5 214	A 0.5 214	A 1.4 242	A 1.5 242	A 1.5 244	A 1.3 244	A 1.8 244	A 1.4 244	A 1.4 244



Table 181 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
31	A 0.2 100	A 0.2 100	A 0.2 100	A 0.2 100	A 0.2 100	A 0.2 100	A 0.3 113	A 0.3 113	A 0.3 113	A 0.2 113	A 0.4 113	A 0.3 113	A
32	B 9.1 924	B 9. 924	B 9.1 924	B 11. 924	B 10.9 924	B 11. 924	A 7.1 656	A 6.8 656	A 6.2 656	A 6.5 656	A 6.7 656	A 5.4 656	A
33	B 1.7 452	B 1.4 452	B 1.5 452	B 2.6 452	B 2.5 452	B 2.7 452	A 2.1 204	A 2. 204	A 1.9 204	A 1.8 204	A 2.1 204	A 1.6 204	A
34	F 0 0	F 0 0	F 0 0	A 1.6 157	A 1.5 157	A 1.6 157	A 2.7 157	A 2.7 157	A 1.5 181	A 1.5 181	F 0 0	F 0 0	F

2.180 7\_Inverse\_hyperbolic\_functions\7.1bInversehyperboliccosine\7.1.4a(fx)^m(d-c^2dx^2)^p(a+barcc

Table 182: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 166	A 0.1 166	A 0.1 166	A 0.1 166	A 0.1 166	A 0.1 166	A 0.2 178	A 0.2 178	A 0.2 178	A 0.2 178	A 0.3 178	
2	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.2 89	A 0.2 89	A 0.2 89	A 0.2 89	A 0.2 89	
3	B 0.3 226	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.2 71	A 0.2 71	A 0.2 71	A 0.1 71	A 0.1 71	
4	A 0.1 107	A 0.1 107	A 0.1 107	A 0.1 107	A 0.1 107	A 0.1 107	A 0.2 107	A 0.1 107	A 0.1 107	A 0.1 107	A 0.2 107	
5	A 0.1 194	A 0.1 194	A 0.1 194	A 0.2 194	A 0.2 194	A 0.2 194	A 0.4 141	A 0.4 141	A 0.3 141	A 0.3 141	A 0.3 141	
6	B 9.5 1019	A 0.5 303	A 0.6 303	A 0.4 226	A 0.4 226	A 0.4 226	A 0.5 224	A 0.4 224	A 0.4 224	A 0.3 224	A 0.3 224	
7	A 0.3 142	A 0.2 142	A 0.2 142	A 0.3 142	A 0.3 142	A 0.3 142	A 0.4 142	A 0.4 142	A 0.5 142	A 0.4 142	A 0.3 142	
8	A 0.2 151	A 0.2 151	A 0.2 151	A 0.3 151	A 0.3 151	A 0.3 151	A 0.3 164	A 0.3 164	A 0.3 164	A 0.2 164	A 0.2 164	
9	A 0. 64	A 0. 64	A 0. 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 95	A 0.1 95	A 0. 95	A 0. 95	A 0. 95	
10	A 0.3 212	A 0.3 212	A 0.3 212	B 2.6 309	B 2.5 309	A 0.2 212	A 0.4 205	A 0.3 205	A 0.3 205	A 0.2 205	A 0.2 205	
11	A 0.2 223	A 0.2 223	A 0.2 223	A 0.4 223	A 0.3 223	A 0.4 223	A 0.3 216	A 0.2 216	A 0.2 216	A 0.2 216	A 0.2 216	
12	A 0.6 283	A 0.6 283	A 0.6 283	A 0.8 283	A 0.9 283	A 0.9 283	A 0.9 266	A 0.8 266	A 2. 243	A 1.2 243	A 0.9 243	
13	A 1.1 287	A 1.1 287	A 1.2 287	A 1.7 287	A 1.9 287	A 2.2 287	A 2.7 295	A 2.2 295	A 2.4 294	A 2.9 294	A 1.8 294	
14	A 0. 77	A 0. 77	A 0. 77	A 0.1 77	A 0.1 77	A 0. 77	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	
15	A 0.4 144	A 0.4 144	A 0.4 144	A 0.6 144	A 0.6 144	A 0.6 144	A 1. 144	A 0.9 144	A 0.8 144	A 0.8 144	A 0.7 144	
16	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.6 171	A 0.6 171	A 0.5 171	A 0.4 215	A 0.5 215	
17	A 0.2 146	A 0.1 146	A 0.2 146	A 0.3 146	A 0.3 146	A 0.3 146	A 0.5 261	A 0.5 261	A 0.5 261	A 0.3 304	A 0.3 304	
18	A 0.2 154	A 0.2 154	A 0.2 154	A 0.3 154	A 0.3 154	A 0.3 154	A 0.6 301	A 0.6 301	A 0.6 301	A 0.4 344	A 0.4 344	
19	A 0.2 209	A 0.2 209	A 0.2 209	A 0.2 182	A 0.2 182	A 0.2 182	A 0.4 184	A 0.4 184	A 0.4 184	A 0.3 184	A 0.3 184	
20	A 0.2 153	A 0.2 153	A 0.2 153	A 0.2 164	A 0.2 164	A 0.2 164	A 0.4 160	A 0.4 160	A 0.3 160	A 0.3 160	A 0.2 160	
21	A 0.9 574	A 1. 574	A 1.1 574	A 1.3 574	A 1.2 574	A 1.2 574	A 1.9 574	A 1.4 574	A 4. 533	A 2.5 533	A 2. 533	
22	A 0.2 117	A 0.2 117	A 0.2 117	A 0.3 117	A 0.2 117	A 0.2 117	A 0.3 117	A 0.3 117	A 0.2 117	A 0.2 117	A 0.2 117	
23	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0.4 96	A 0.4 96	A 0.4 96	A 0.3 96	A 0.3 96	
24	A 0.1 145	A 0.1 145	A 0.1 145	A 0.1 145	A 0.1 145	A 0.1 145	A 0.4 173	A 0.4 173	A 0.4 173	A 0.4 173	A 0.3 173	
25	A 1.1 192	A 1.1 192	A 1.2 192	A 1.5 192	A 1.5 192	A 6.6 192	A 2.7 192	A 2.7 192	A 2.8 202	A 2.5 202	A 1.9 202	
26	A 0.1 114	A 0.1 114	A 0.1 114	A 0.1 114	A 0.1 114	A 0.1 114	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
27	A 0.3 93	A 0.3 93	A 0.3 93	A 0.3 93	A 0.3 93	A 0.3 93	A 0.4 93	A 0.4 93	A 0.4 93	A 0.3 93	A 0.3 93	
28	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	
29	A 0.2 234	A 0.2 234	A 0.2 234	A 0.3 234	A 0.3 234	A 0.3 234	A 0.4 234	A 0.4 234	A 0.3 234	A 0.3 234	A 0.3 234	
30	A 0.3 289	A 0.3 289	A 0.3 289	A 0.5 289	A 0.5 289	A 0.5 289	C 18.4 2099	C 1.6 592	C 2.4 604	C 1.9 604	F 0 0	

Table 182 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
31	A	0.5	273	A	0.5	273	A	0.5	273	A	0.8	273	A	0.8	273	A	0.8	273	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
32	A	0.2	222	A	0.2	222	A	0.2	222	A	0.3	222	A	0.3	222	A	0.3	222	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
33	A	0.2	215	A	0.2	215	A	0.2	215	A	0.3	215	A	0.2	215	A	0.3	215	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
34	A	0.5	318	A	0.4	318	A	0.4	318	A	0.8	318	A	0.8	318	A	0.8	318	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
35	A	0.2	101	A	0.2	101	A	0.2	101	A	0.3	101	A	0.3	101	A	0.3	101	A	0.2	101	A	0.2	101	A	0.1	101	A	0.1	101	A	0.1	101
36	A	0.4	237	A	0.4	237	A	0.4	237	A	0.5	237	A	0.5	237	A	0.5	237	A	0.5	237	A	0.5	237	A	0.4	237	A	0.4	237	A	0.4	237
37	A	0.4	262	A	0.4	262	A	0.4	262	A	0.5	262	A	0.5	262	A	0.6	262	A	0.7	262	A	0.7	262	A	0.6	262	A	0.5	262	A	0.5	262
38	A	4.9	554	A	5.	554	A	5.1	554	A	6.2	554	A	6.1	554	A	6.7	554	A	7.1	665	A	6.9	665	A	6.9	665	A	6.9	665	A	6.8	665
39	A	2.5	803	A	2.6	803	A	2.8	803	A	3.4	803	A	3.4	803	A	5.5	803	A	6.9	803	A	7.1	803	A	6.9	803	A	3.7	803	A	3.	803
40	A	0.	53	A	0.	53	A	0.	53	A	0.1	53	A	0.1	53	A	0.	53	B	0.5	147	B	0.5	147	B	0.4	156	B	0.3	156	B	0.3	156
41	A	2.8	392	A	2.9	392	A	3.	392	A	3.9	358	A	3.9	358	A	3.8	358	A	6.9	392	A	4.7	392	A	6.7	466	A	6.7	466	A	4.4	393
42	A	2.7	613	A	2.9	613	A	3.	613	A	3.9	577	A	3.9	577	A	4.6	577	A	7.1	623	A	6.7	623	A	6.7	623	A	6.2	613	A	2.5	612
43	A	4.3	490	A	4.3	490	A	4.3	490	A	5.8	437	A	5.8	437	A	7.1	437	A	7.9	568	A	7.5	568	A	7.5	568	A	7.4	568	A	7.2	568
44	A	3.7	356	A	3.6	356	A	3.6	356	A	4.7	341	A	4.6	341	A	4.9	341	A	7.7	459	A	7.2	459	A	7.2	459	A	7.2	459	A	6.2	327
45	A	1.8	264	A	1.8	264	A	1.9	264	A	1.8	264	A	1.7	264	A	1.7	264	A	2.5	264	A	2.	264	A	1.8	264	A	2.1	264	A	2.6	284
46	A	9.3	818	A	9.5	818	A	9.6	818	A	10.6	806	A	10.2	806	A	11.2	806	A	14.1	1089	A	11.6	818	A	10.7	818	A	10.8	818	A	9.4	814
47	B	41.8	5532	B	62.3	5532	B	63.3	5532	A	99.4	1181	A	98.1	1181	A	99.5	1205	B	110.4	5572	B	107.	5572	B	105.8	5652	B	84.7	5532	F	0	0
48	A	0.1	123	A	0.1	123	A	0.1	123	A	0.2	123	A	0.2	123	A	0.2	123	A	0.2	123	A	0.2	123	A	0.2	123	A	0.2	123	A	0.1	123
49	A	0.2	151	A	0.2	151	A	0.2	151	A	0.2	151	A	0.2	151	A	0.2	151	A	0.3	151	A	0.2	151	A	0.2	151	A	0.2	151	A	0.2	151
50	A	0.3	111	A	0.4	111	A	0.4	111	A	0.5	111	A	0.5	111	A	0.5	111	A	0.8	111	A	0.6	111	A	0.5	111	A	0.5	111	A	0.4	111
51	A	0.6	233	A	0.7	233	A	0.7	233	A	1.	233	A	1.	233	A	1.	233	A	1.7	233	A	1.3	233	A	1.1	233	A	1.2	233	A	1.2	233
52	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
53	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
54	C	1.2	363	C	1.3	363	C	1.6	375	C	1.9	363	C	1.8	363	C	1.8	363	C	2.9	363	C	2.	363	C	1.9	363	C	1.9	363	C	1.7	419
55	A	0.3	137	A	0.4	137	A	0.4	137	A	0.6	137	A	0.5	137	A	0.6	137	A	1.	137	A	0.8	137	A	0.6	137	A	0.6	137	A	0.4	137
56	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
57	A	0.3	127	A	0.3	127	A	0.3	127	A	0.4	127	A	0.3	127	A	0.3	127	A	0.4	127	A	0.4	127	A	0.4	127	A	0.3	127	A	0.3	127
58	A	0.6	188	A	0.6	188	A	0.6	188	A	0.8	188	A	0.7	188	A	0.8	188	A	1.	188	A	0.9	188	A	0.9	188	A	0.8	188	A	0.7	188
59	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
60	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
61	A	0.9	216	A	0.9	216	A	1.	216	A	1.4	216	A	1.3	216	A	1.4	216	A	2.	216	A	1.8	216	A	1.7	216	A	1.5	216	A	1.4	216
62	A	0.8	216	A	0.9	216	A	0.9	216	A	1.2	216	A	1.1	216	A	1.1	216	A	1.5	216	A	1.4	216	A	1.3	216	A	1.2	216	A	1.1	216
63	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
64	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69	A	0.1	69

Table 182 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8		
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size
65	A	0.	47	A	0.1	47	A	0.1	47	A	0.1	47	A	0.1	47	A	0.1	47	A	0.1	47	A	0.1	47	A	0.1	47	A	0.1	47	A	0.1	47
66	A	0.6	174	A	0.7	174	A	0.7	174	A	0.5	174	A	0.4	174	A	0.5	174	A	0.6	174	A	0.5	174	A	0.5	174	A	0.4	174	A	0.4	174
67	A	0.2	81	A	0.3	81	A	0.3	81	A	0.2	81	A	0.2	81	A	0.2	81	A	0.2	81	A	0.2	81	A	0.2	81	A	0.2	81	A	0.2	81
68	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
69	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
70	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
71	B	0.3	194	B	0.3	194	B	0.3	194	B	0.4	194	A	0.5	84	A	0.5	84	A	0.8	84	A	0.8	84	A	0.6	125	A	0.6	125	A	0.6	125
72	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
73	A	1.	436	A	1.1	436	A	1.1	436	A	1.5	436	A	1.4	436	A	1.5	436	A	1.9	436	A	1.7	436	A	1.6	436	A	1.4	436	A	1.3	436
74	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
75	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
76	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
77	A	0.3	144	A	0.3	144	A	0.3	144	A	0.5	144	A	0.5	144	A	0.6	144	A	0.8	144	A	0.7	144	A	0.7	144	A	0.5	144	A	0.5	144
78	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
79	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
80	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
81	A	0.	45	A	0.	45	A	0.	45	A	0.	45	A	0.	45	A	0.	45	A	0.1	45	A	0.1	45	A	0.	45	A	0.	45	A	0.	45
82	A	0.6	214	A	0.5	214	A	0.5	214	A	0.7	214	A	0.8	214	A	0.7	214	A	1.5	224	A	1.1	224	A	1.	224	A	0.9	224	A	0.8	224
83	A	0.1	93	A	0.1	93	A	0.1	93	A	0.1	93	A	0.2	93	A	0.1	93	A	0.2	90	A	0.2	90	A	0.1	90	A	0.1	90	A	0.1	90
84	A	1.2	384	A	1.1	384	A	1.1	384	A	1.6	384	A	1.6	384	A	1.6	384	A	11.1	612	A	10.8	612	A	7.9	612	A	7.4	612	F	0	0
85	F	0	0	F	0	0	F	0	0	A	4.3	331	A	4.1	331	A	5.2	331	A	6.7	360	A	6.5	360	A	4.4	360	A	4.3	360	F	0	0
86	F	0	0	F	0	0	F	0	0	A	7.4	508	A	7.	508	A	8.8	733	A	19.2	585	A	17.7	585	A	12.9	585	A	10.9	585	F	0	0
87	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56	A	0.1	56
88	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	72	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49	A	0.1	49
89	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
90	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0
91	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0

2.181 7\_Inverse\_hyperbolic\_functions\7.1bInversehyperboliccosine\7.1.4b(fx)^m(d+ex^2)^p(a+barccosh

Table 183: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 122	A 0.1 122	A 0.1 122	A 0.1 122	A 0.1 122	A 0.1 122	A 0.2 153	A 0.2 153	A 0.2 153	A 0.2 153	A 0.2 153	A 0.1 153
2	A 0.1 140	A 0.1 140	A 0.1 140	A 0.2 140	A 0.2 140	A 0.2 140	A 0.3 146	A 0.3 146	A 0.3 148	A 0.3 148	A 0.2 148	A 0.2 150
3	A 0.1 100	A 0.1 100	A 0.1 100	A 0.2 101	A 0.1 101	A 0.1 100	A 0.2 100	A 0.2 100	A 0.2 100	A 0.2 100	A 0.1 100	A 0.1 100
4	A 0.1 130	A 0.1 130	A 0.1 130	A 0.2 130	A 0.2 130	A 0.2 130	A 0.3 130	A 0.3 130	A 0.2 136	A 0.2 136	A 0.2 136	A 0.1 136
5	B 4.8 811	A 0.4 228	A 0.4 228	A 0.4 217	A 0.5 217	A 0.5 217	A 0.7 213	A 0.6 213	A 0.5 207	A 0.4 207	A 0.3 207	A 0.3 207
6	A 0.2 128	A 0.1 128	A 0.2 128	A 0.2 128	A 0.2 128	A 0.3 128	A 0.4 128	A 0.4 128	A 0.4 128	A 0.3 128	A 0.2 128	A 0.2 140
7	A 0.2 133	A 0.1 133	A 0.1 133	A 0.3 133	A 0.2 133	A 0.3 133	A 0.4 133	A 0.4 133	A 0.3 133	A 0.2 133	A 0.2 133	A 0.2 144
8	A 0.2 182	A 0.2 182	A 0.2 182	A 0.4 182	A 0.3 182	A 0.4 182	A 0.5 182	A 0.5 182	A 0.4 182	A 0.4 182	A 0.3 182	A 0.3 193
9	C 1.3 693	C 1.3 693	C 1.3 693	C 2.2 693	C 2. 693	C 3.2 693	C 7.6 1108	C 6. 1108	C 5.8 1108	F 0 0	F 0 0	F 0 0
10	C 2.7 720	C 2.8 720	C 6. 719	C 1.8 719	C 1.7 719	C 3.1 719	C 6. 1159	C 6. 1159	C 6. 1159	F 0 0	C 6.8 2376	F 0 0
11	C 3.2 734	C 3.3 734	C 6.2 734	C 1.8 733	C 1.7 733	C 4.4 733	C 6. 1165	C 6. 1165	C 6. 1165	F 0 0	C 2.9 816	F 0 0
12	A 0.4 453	A 0.3 453	A 0.4 453	A 0.9 453	A 0.8 453	A 0.9 453	A 1. 453	A 1. 453	A 0.9 453	A 0.8 453	A 0.7 453	A 0.5 453
13	A 2.3 663	A 2.4 663	A 2.4 663	A 2.1 663	A 3.1 456	A 5. 456	A 7.1 643	A 7. 643	A 4. 541	A 3.8 541	A 3.2 541	A 3.3 541
14	A 0.3 80	A 0.3 80	A 0.3 80	A 0.3 80	A 0.3 80	A 0.4 80	A 0.5 80	A 0.5 80	A 0.4 96	A 0.4 96	A 0.4 96	A 0.3 96
15	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
16	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
17	A 0.8 202	C 13.8 633	C 13.9 633	C 4.2 633	C 4.1 633	C 4.4 633	C 6.4 633	C 6.8 633	C 5.7 633	C 7.1 633	C 4.4 633	C 4. 633
18	A 0.7 259	C 2.6 685	C 2.8 685	C 3.9 685	C 3.7 685	C 4.3 685	C 6.3 857	C 6.3 857	C 6.1 685	C 6.3 860	C 4.8 685	C 4.4 685
19	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
20	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
21	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
22	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

2.182 7\_Inverse\_hyperbolic\_functions\7.1bInversehyperboliccosine\7.1.5Inversehyperboliccosinefunct

Table 184: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	grade
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
1	A 0.1 113	A 0.1 113	A 0.1 113	A 0.2 113	A 0.2 113	A 0.2 113	A 0.3 113	A 0.3 113	A 0.2 113	A 0.2 113	A 0.2 113	A
2	B 0.2 204	A 0. 73	A 0. 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 103	A 0.1 103	A 0.1 103	A 0.1 103	A 0.1 103	A
3	A 0.1 191	A 0.1 191	A 0.1 191	A 0.3 191	A 0.3 191	A 0.3 191	A 0.3 191	A 0.3 191	A 0.3 191	A 0.2 191	A 0.2 191	A
4	A 0.1 131	A 0.1 131	A 0.1 131	A 0.2 131	A 0.2 131	A 0.2 131	A 0.2 131	A 0.2 131	A 0.2 131	A 0.1 131	A 0.1 131	A
5	A 0.1 252	A 0.1 252	A 0.1 252	A 0.2 252	A 0.2 252	A 0.2 252	C 10.5 766	C 11.5 766	C 10.5 766	C 4. 766	F 0 0	F
6	A 0.1 121	A 0.1 121	A 0.1 121	A 0.2 121	A 0.2 121	A 0.2 121	A 0.3 121	A 0.3 121	A 0.3 121	A 0.2 121	A 0.2 121	A
7	A 0.4 386	A 0.4 386	A 0.4 386	A 0.8 386	A 0.8 386	A 0.9 386	A 1. 386	A 1. 386	A 1. 386	A 0.8 386	A 0.7 386	A
8	A 0.1 98	A 0.1 98	A 0.1 98	A 0.2 98	A 0.2 98	A 0.2 98	A 0.2 98	A 0.2 98	A 0.2 98	A 0.1 98	A 0.1 98	A
9	A 1.3 530	A 1.3 530	A 1.4 530	A 1.5 530	A 2.4 304	A 2.8 304	A 4.9 304	A 4.9 304	A 4.1 389	A 3.8 389	A 3.1 389	A
10	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
11	C 1.4 687	C 1.4 687	C 5.8 687	C 1.5 687	C 1.4 687	C 1.7 687	C 4.4 1080	C 4.2 1080	C 3.6 1080	F 0 0	C 6.9 768	F
12	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
13	A 0.8 251	A 0.8 251	A 0.8 251	A 1.1 251	A 1.2 251	A 1.1 251	A 1.5 251	A 1.5 251	A 1.6 251	A 1.6 251	A 1.3 251	A
14	A 1.2 432	A 1.2 432	A 1.2 432	A 1.7 432	A 1.7 432	A 1.8 432	A 2.5 432	A 2.7 432	A 4. 453	A 3.6 453	A 2.8 453	A
15	A 7.7 1802	A 7.7 1802	A 7.8 1802	A 8.2 1802	A 8.1 1802	A 8.2 1802	A 8.4 1802	A 8.5 1802	A 8.3 1805	A 8.1 1807	A 7.7 1809	A
16	A 4.4 644	A 4.5 644	A 4.6 644	A 6.5 644	A 6.5 644	A 6.9 835	A 7. 835	A 7. 835	A 6.9 835	A 6.9 835	A 6.7 837	A
17	A 1.2 284	A 1.1 284	A 1.1 284	A 1.7 267	A 1.7 267	A 1.7 267	A 2.9 271	A 3. 271	A 2.5 273	A 2.7 273	A 2.2 273	A
18	A 0.1 121	A 0.2 121	A 0.2 121	A 0.2 121	A 0.2 121	A 0.2 121	A 0.2 121	A 0.2 121	A 0.2 121	A 0.2 121	A 0.2 121	A
19	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A
20	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A
21	C 0.2 136	C 0.2 136	C 0.2 136	C 0.3 136	C 0.3 136	C 0.3 136	C 0.5 136	C 0.5 136	C 0.4 141	C 0.3 141	C 0.3 141	C
22	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A
23	A 0.1 115	A 0.1 115	A 0.1 115	A 0.2 101	A 0.2 101	A 0.2 101	A 0.2 109	A 0.2 109	A 0.2 109	A 0.1 109	A 0.1 109	A
24	A 0.4 140	A 0.4 140	A 0.4 140	A 0.4 140	A 0.4 140	A 0.5 140	A 0.8 140	A 0.7 140	A 0.6 140	A 0.5 140	A 0.4 140	A
25	A 0.2 81	A 0.1 81	A 0.1 81	A 0.2 81	A 0.2 81	A 0.2 81	A 0.4 123	A 0.4 123	A 0.3 123	A 0.3 123	A 0.2 123	A
26	A 0.6 404	A 0.6 404	A 0.6 404	A 0.6 404	A 0.6 404	A 0.7 404	A 0.8 404	A 0.8 404	A 0.7 404	A 0.7 403	A 0.6 403	A
27	A 0.4 244	A 0.4 244	A 0.4 244	A 0.3 244	A 0.3 244	A 0.4 244	A 0.3 244	A 0.3 244	A 0.3 244	A 0.3 244	A 0.2 244	A
28	A 0.6 475	A 0.6 475	A 0.6 475	A 0.6 475	A 0.6 475	A 0.6 475	A 0.6 475	A 0.7 475	A 0.6 475	A 0.6 475	A 0.5 475	A
29	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
30	A 1.5 150	A 1.5 150	A 1.6 150	A 1.9 150	A 1.7 150	A 2.3 150	A 3.3 150	A 3.2 150	A 2.6 235	A 2. 235	A 1.8 235	A

Table 184 – continued from previous page

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			grade
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size				
31	A	0.9	323	A	0.9	323	A	0.9	323	A	1.3	323	A	1.3	323	A	1.4	323	A	2.	323	A	2.	323	A	1.7	323	A	1.5	323	A	1.4	323	A
32	A	0.3	127	A	0.2	127	A	0.2	127	A	0.3	127	A	0.3	127	A	0.4	127	A	0.6	127	A	0.6	127	A	0.5	127	A	0.5	127	A	0.4	127	A
33	A	0.4	223	A	0.4	223	A	0.4	223	A	0.5	223	A	0.5	223	A	0.6	223	A	1.8	272	A	1.8	272	A	1.8	274	A	1.7	274	A	2.6	274	A
34	A	1.3	180	A	1.4	180	A	1.4	180	A	2.2	180	A	2.2	180	A	2.2	180	A	1.8	180	A	1.8	180	A	1.6	180	A	1.6	180	A	3.2	180	A
35	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.1	110	A	0.2	90	A	0.2	90	A	0.2	90	A	0.2	90	A	0.4	90	A
36	A	1.8	391	A	1.6	391	A	1.6	391	A	2.5	391	A	2.4	391	A	2.8	391	A	10.8	316	A	11.6	316	A	3.7	361	A	3.4	361	F	0	0	F
37	A	2.3	391	A	1.9	391	A	2.	391	A	3.1	391	A	3.	391	A	3.2	391	A	5.5	321	A	5.8	321	A	2.8	363	A	2.7	363	F	0	0	F
38	A	1.	219	A	0.8	219	A	0.8	219	A	0.6	219	A	0.6	219	A	0.7	219	A	1.3	162	A	1.2	162	A	0.8	190	A	0.7	190	F	0	0	F
39	A	3.7	654	A	3.	654	A	3.1	654	A	4.9	654	A	4.8	654	A	5.4	654	A	16.4	540	A	16.7	540	A	9.8	598	A	9.4	598	F	0	0	F
40	C	0.1	94	C	0.1	94	C	0.1	94	C	0.2	94	C	0.2	94	C	0.2	94	C	0.8	197	C	0.8	197	C	0.8	201	C	0.9	201	C	0.7	201	C
41	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
42	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
43	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
44	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
45	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
46	A	0.1	106	A	0.1	106	A	0.1	106	A	0.2	106	A	0.2	106	A	0.2	106	C	2.5	398	C	0.2	153	C	0.2	153	C	0.2	153	C	0.2	153	C
47	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
48	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A	0.1	50	A	0.1	50	A	0.	50	A	0.	50	A	0.	50	A	0.	50	A
49	A	2.3	35	B	0.1	59	B	0.1	59	A	0.	46	A	0.	46	A	0.	46	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A	0.	48	A
50	B	0.8	179	B	0.4	179	B	0.4	179	B	0.5	179	B	0.5	179	B	0.5	179	B	0.8	179	B	0.7	179	B	0.7	183	B	0.6	183	B	0.6	183	B
51	A	0.1	86	A	0.1	86	A	0.1	86	A	0.2	86	A	0.1	86	A	0.2	86	A	0.2	86	A	0.2	86	A	0.2	86	A	0.2	86	A	0.2	86	A
52	A	1.1	254	A	1.1	254	A	1.2	254	A	2.	254	A	1.9	254	A	2.	254	A	3.	254	A	3.1	254	A	2.7	254	A	2.7	254	A	2.5	254	A
53	A	1.1	221	A	1.	221	A	1.1	221	A	0.9	221	A	0.8	221	A	0.9	221	A	1.3	221	A	1.4	221	A	1.2	221	A	1.1	221	A	1.1	221	A
54	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
55	C	0.2	198	C	0.2	198	C	0.2	198	C	0.3	198	C	0.3	198	C	0.3	198	C	0.5	198	C	0.5	198	C	0.5	198	C	0.4	198	C	0.3	198	C
56	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A	0.	42	A
57	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
58	A	0.1	62	A	0.1	62	A	0.1	62	A	0.2	62	A	0.2	62	A	0.2	62	A	0.2	62	A	0.2	62	A	0.2	62	A	0.2	62	A	0.2	62	A
59	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A

2.183 7\_Inverse\_hyperbolic\_functions\7.2aInversehyperbolictangent\7.2.1Inversehyperbolictangentfun

Table 185: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67
2	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47
3	A 0.3 87	A 0.3 87	A 0.3 87	A 0.4 87	A 0.4 87	A 0.4 87	A 0.7 87	A 0.5 87	A 0.4 87	A 0.4 87	A 0.4 87	A 0.3 87
4	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0. 82
5	A 0.3 90	A 0.3 90	A 0.3 90	A 0.3 90	A 0.3 90	A 0.4 90	A 0.4 90	A 0.3 90	A 0.3 90	A 0.3 90	A 0.3 90	A 0.2 90
6	A 0.2 70	A 0.2 70	A 0.2 70	A 0.2 70	A 0.2 70	A 0.2 70	A 0.2 70	A 0.2 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70
7	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57
8	A 0.2 95	A 0.3 95	A 0.3 95	A 0.3 95	A 0.3 95	A 0.3 95	A 0.3 95	A 0.2 95	A 0.2 95	A 0.2 95	A 0.2 95	A 0.4 95
9	A 0.2 142	A 0.2 142	A 0.2 142	A 0.3 142	A 0.3 142	A 0.3 142	A 0.3 142	A 0.2 142	A 0.2 142	A 0.2 142	A 0.2 142	A 0.2 142
10	A 0.3 126	A 0.3 126	A 0.3 126	A 0.3 126	A 0.3 126	A 0.3 126	A 0.3 126	A 0.3 126	A 0.2 125	A 0.2 125	A 0.2 125	A 0.2 125
11	A 0.6 86	A 0.7 86	A 0.7 86	A 0.2 86	A 0.1 86	A 0.2 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86
12	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
13	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
14	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62
15	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60
16	A 0.7 113	A 0.4 113	A 0.4 113	A 1. 113	A 0.6 113	A 0.6 113	A 1.4 113	A 0.8 113	A 0.7 113	A 0.7 113	A 0.6 113	A 0.5 113
17	A 0.2 95	A 0.2 95	A 0.2 95	A 0.8 95	A 0.2 95	A 0.3 95	A 0.3 95	A 0.3 95	A 0.3 95	A 0.2 95	A 0.2 95	A 0.2 95
18	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
19	A 0. 96	A 0. 96	A 0. 96	A 0. 96	A 0. 96	A 0. 96	A 0. 96	A 0. 96	A 0. 96	A 0. 96	A 0. 96	A 0. 96
20	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86
21	A 0.1 89	A 0.1 89	A 0. 89	A 0. 89	A 0. 89	A 0. 89	A 0.1 89	A 0.1 89	A 0. 89	A 0. 89	A 0. 89	A 0. 89
22	A 0.8 121	A 0.8 121	A 0.9 121	A 1.2 121	A 1.1 121	A 1.2 121	A 1.6 121	A 1.5 121	A 1.4 121	A 1.2 121	A 1.1 121	A 0.9 121
23	A 0.1 182	A 0.2 182	A 0.3 182	A 0.2 182	A 0.2 182	A 0.2 182	A 0.2 182	A 0.2 182	A 0.2 182	A 0.1 182	A 0.1 149	A 0.1 182
24	A 0.2 153	A 0.2 153	A 0.2 153	A 0.3 153	A 0.3 153	A 0.3 153	A 0.4 153	A 0.3 153	A 0.3 153	A 0.3 153	A 0.3 153	A 0.2 153
25	A 0. 99	A 0. 99	A 0. 99	A 0.1 99	A 0.1 99	A 0.1 99	A 0. 99	A 0. 99	A 0. 99	A 0. 99	A 0. 99	A 0. 99
26	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
27	A 0. 79	A 0. 79	A 0. 79	A 0.1 79	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0. 79	A 0. 79
28	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41
29	A 0.3 60	A 0.3 60	A 0.3 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60
30	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.3 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.1 61



Table 185 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0.2 78	A 0.2 78	A 0.2 78	A 0.3 78	A 0.2 78	A 0.3 78	A 0.3 78	A 0.2 78	A 0.2 78	A 0.2 78	A 0.2 78	A 0.2 78
32	A 0.1 9	A 0.1 9	A 0.1 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9	A 0. 9
33	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11
34	A 0. 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71
35	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
36	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
37	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
38	A 0.2 36	A 0.2 36	A 0.2 36	A 0.2 36	A 0.1 36	A 0.2 36	A 0.1 36	A 0.1 36	A 0.1 36	A 0. 36	A 0. 36	A 0. 36
39	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
40	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 62	A 0.1 62	A 0.1 62	A 0. 62
41	A 0.1 73	A 0.2 73	A 0.2 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0. 73	A 0. 73	A 0. 73
42	A 0.2 94	A 0.2 94	A 0.2 94	A 0.2 94	A 0.2 94	A 0.2 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94
43	A 0.2 121	A 0.2 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.2 121	A 0.1 121	A 0.1 121	A 0.1 123	A 0.1 123	A 0.1 123	A 0. 123
44	A 0.1 127	A 0.1 127	A 0.1 127	A 0.1 127	A 0.1 127	A 0.1 127	A 0.1 127	A 0.1 127	A 0.1 127	A 0.1 127	A 0.1 127	A 0. 127
45	A 0.1 107	A 0.1 107	A 0.1 107	A 0.1 107	A 0.1 107	A 0.1 107	A 0. 107	A 0.1 107	A 0. 107	A 0. 107	A 0. 107	A 0. 107
46	A 0.1 148	A 0.1 148	A 0.1 148	A 0.1 148	A 0.1 148	A 0.1 148	A 0.1 148	A 0.1 148	A 0.1 148	A 0. 148	A 0.1 148	A 0. 148
47	A 0.3 111	A 0.3 111	A 0.3 111	A 0.2 111	A 0.1 111	A 0.2 111	A 0. 111	A 0. 111	A 0. 111	A 0. 111	A 0. 111	A 0. 111
48	A 0.4 189	A 0.4 189	A 0.4 189	A 0.3 189	A 0.3 189	A 0.3 189	A 0.3 189	A 0.2 189	A 0.2 189	A 0.2 189	A 0.2 189	A 0.2 189
49	A 0.2 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80
50	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
51	A 0.2 132	A 0.2 132	A 0.2 132	A 0.2 132	A 0.2 132	A 0.2 132	A 0.2 132	A 0.2 132	A 0.2 132	A 0.1 132	A 0.1 132	A 0.1 132
52	A 0.2 56	A 0.1 56	A 0.1 56	A 0.2 56	A 0.2 56	A 0.2 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56
53	A 0.3 56	A 0.3 56	A 0.3 56	A 0.3 56	A 0.3 56	A 0.3 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56
54	A 0.2 125	A 0.2 125	A 0.2 125	A 0.2 125	A 0.2 125	A 0.2 125	A 0.3 125	A 0.3 125	A 0.3 125	A 0.2 125	A 0.3 118	A 0.2 125
55	A 0. 48	A 0. 48	A 0. 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0.1 48	A 0. 48	A 0. 48	A 0. 48
56	A 0.3 160	A 0.3 160	A 0.3 160	A 0.4 160	A 0.4 160	A 0.4 160	A 0.7 160	A 0.5 160	A 0.4 143	A 0.4 143	A 0.3 143	A 0.3 143
57	A 0.2 104	A 0.2 104	A 0.2 104	A 0.2 104	A 0.2 104	A 0.3 104	A 0.4 104	A 0.3 104	A 0.3 104	A 0.2 104	A 0.2 104	A 0.2 104
58	A 2.7 570	A 2.8 570	A 2.9 570	A 4.9 570	A 4.4 570	A 4.5 570	A 6.5 577	A 4.6 570	A 3.9 570	A 3.8 570	A 3.1 577	A 3.8 577
59	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.2 89	A 0.2 89	A 0.2 73	A 0.2 73	A 0.2 73	A 0.1 89
60	A 0.3 165	A 0.3 165	A 0.3 165	A 0.4 165	A 0.4 165	A 0.4 165	A 0.5 165	A 0.4 165	A 0.4 165	A 0.4 165	A 0.4 165	A 0.3 165
61	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38
62	B 0.6 541	B 0.7 541	B 0.7 541	B 1. 541	B 0.9 541	B 1.1 541	B 1.8 541	B 1.4 541	B 1.3 541	B 1. 541	B 1. 541	B 0.9 541
63	A 5.7 377	A 5.9 377	A 6. 377	A 7.9 555	A 7.7 555	A 8. 555	A 8.8 555	A 8. 555	A 8. 555	A 7.8 555	A 7.6 555	A 7.6 555
64	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

Table 185 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
65	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
66	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
67	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.2 43	A 0.2 43	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69
68	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70
69	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
70	A 0.5 178	A 0.5 178	A 0.5 178	A 0.7 178	A 0.7 178	A 0.7 178	A 1.1 178	A 0.8 178	A 0.9 178	A 0.7 178	A 0.6 177	A 0.5 177
71	A 0.1 79	A 0. 79	A 0. 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79
72	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0.1 49	A 0.1 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49
73	A 0.3 133	A 0.3 133	A 0.4 133	A 0.4 121	A 0.3 121	A 0.4 121	A 0.7 133	A 0.5 133	A 0.5 133	A 0.4 133	A 0.2 133	A 0.2 133
74	A 0.5 126	A 0.5 126	A 0.5 126	A 0.7 126	A 0.7 126	A 0.7 126	A 1.3 126	A 0.8 126	A 0.9 126	A 0.8 126	A 0.3 126	A 0.3 126
75	A 0. 79	A 0. 79	A 0. 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79
76	A 1. 268	A 1.1 268	A 1.1 268	A 1.6 268	A 1.6 268	A 1.7 268	A 2.9 268	A 2.3 268	A 2.1 268	A 1.7 268	F 0 0	F 0 0
77	A 0.5 187	A 0.5 187	A 0.5 187	A 0.8 187	A 0.7 187	A 0.7 187	A 1.2 187	A 1. 187	A 0.9 187	A 0.9 187	F 0 0	F 0 0
78	A 0.5 181	A 0.5 181	A 0.5 181	A 0.6 168	A 0.6 168	A 0.6 168	A 1. 181	A 0.7 181	A 0.7 181	A 0.6 181	A 0.5 226	A 0.4 226
79	A 0.8 224	A 0.9 224	A 0.9 224	A 1.1 224	A 1.1 224	A 1.2 224	A 1.9 224	A 1.1 224	A 1.1 224	A 1.1 224	A 0.8 229	A 0.7 229
80	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81
81	A 0.6 206	A 0.6 206	A 0.6 206	A 0.8 206	A 0.6 206	A 0.7 206	A 1. 206	A 0.7 206	A 0.7 206	A 0.6 206	A 0.7 206	A 0.6 206
82	A 0.1 151	A 0.1 151	A 0.1 151	A 0.1 151	A 0.1 151	A 0.1 151	A 0.2 151	A 0.2 151	A 0.2 151	A 0.1 151	A 0.1 151	A 0.1 151
83	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
84	A 0.1 24	A 0.1 24	A 0.1 24	A 0.1 22	A 0.1 22	A 0.1 22	A 0.1 22	A 0.1 22	A 0.1 22	A 0.1 22	A 0.1 22	A 0.1 22
85	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
86	A 0.2 56	A 0.2 56	A 0.2 56	A 0.2 56	A 0.2 56	A 0.2 56	A 0.3 56	A 0.3 56	A 0.2 101	A 0.2 101	A 0.2 101	A 0.1 101
87	C 1.1 662	C 1.2 662	C 1.3 662	C 1.4 662	C 1.3 662	C 2.4 662	C 3.9 662	C 3.7 662	C 3.6 662	C 1.4 662	C 1.6 664	C 1.2 664
88	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
89	A 0.6 431	A 0.6 431	A 0.6 431	A 0.9 431	A 0.9 431	A 1.1 431	A 1.8 431	A 1.9 431	A 1.9 420	A 5.6 420	A 1.7 420	A 1.6 420
90	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.2 76	A 0.2 76	A 0.2 76	A 0.1 76	A 0.1 76	A 0.1 76
91	A 1.5 463	A 1.5 463	A 1.5 463	A 2.4 463	A 2.2 463	A 2.4 463	A 3.7 463	A 3.1 463	A 2.9 463	A 2.6 463	A 2. 463	A 1.6 463
92	C 2. 753	C 2.3 753	C 2.3 753	C 2.7 472	C 2.9 634	C 3.7 634	C 5.8 634	C 5.4 634	F 0 0	F 0 0	F 0 0	F 0 0
93	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66
94	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	C 0.1 207	C 0.1 207	C 0.1 207	C 0.1 207	C 0.1 207	C 0.1 207
95	A 0.4 549	A 0.3 549	A 0.4 549	A 0.5 549	A 0.5 549	A 0.7 549	F 0 0	F 0 0	F 0 0	A 24.3 482	F 0 0	F 0 0
96	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19
97	C 0. 33	C 0. 33	C 0. 33	C 0. 33	C 0. 33	C 0. 33	C 0. 33	C 0.1 33	C 0. 33	C 0. 33	C 0.4 33	C 0. 33
98	F 0 0	F 0 0	F 0 0	A 0.2 482	A 0.2 482	A 0.2 482	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

Table 185 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
99	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
100	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
101	B 0.2 74	B 0.2 74	B 0.2 74	B 0.1 74	B 0.1 74	B 0.1 74	B 0.1 74	B 0. 74	B 0. 74	A 0. 37	A 0. 37	A 0. 37
102	A 0. 54	A 0. 54	A 0. 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54
103	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0. 68	A 0. 68	A 0. 68
104	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71
105	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71
106	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51
107	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0.1 45	A 0.1 45	A 0. 45
108	A 0. 83	A 0. 83	A 0. 83	A 0.1 83	A 0. 83	A 0. 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0. 83
109	A 0.1 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0.1 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
110	A 0. 70	A 0. 70	A 0. 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0. 70	A 0. 70	A 0.1 70	A 0.1 70	A 0.1 70
111	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.2 93	A 0.2 93	A 0.2 93
112	A 0. 107	A 0. 107	A 0. 107	A 0.1 107	A 0. 107	A 0. 107	A 0.1 107	A 0.1 107	A 0.1 107	A 0.4 107	A 0.4 107	A 0.4 107
113	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49
114	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83
115	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66
116	A 0.1 32	A 0.2 32	A 0.2 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32
117	A 0.1 150	A 0.1 150	A 0.1 150	A 0.2 150	A 0.1 150	A 0.2 150	A 0.2 150	A 0.2 150	A 0.2 155	A 0.2 155	A 0.1 155	A 0.1 155
118	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.2 117	A 0.2 117	A 0.1 120	A 0.2 120	A 0.2 120	A 0.1 120
119	A 0.2 91	A 0.2 91	A 0.2 91	A 0.2 91	A 0.2 91	A 0.2 91	A 0.2 91	A 0.2 91	A 0.2 105	A 0.2 105	A 0.2 105	A 0.1 105
120	A 0.1 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0.2 133	A 0.2 133	A 0.2 133	A 0.1 148	A 0.7 148	A 0.6 148	A 0.5 148
121	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40
122	A 0. 40	A 0. 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0.1 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40
123	A 0. 57	A 0. 57	A 0. 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57
124	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57
125	A 0.1 80	A 0. 80	A 0. 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80
126	A 0.2 120	A 0.2 120	A 0.2 120	A 0.2 120	A 0.2 120	A 0.3 120	A 0.4 120	A 0.4 120	A 0.3 120	A 0.3 120	A 0.3 120	A 0.2 120
127	A 0.1 147	A 0.1 147	A 0.1 147	A 0.1 147	A 0.1 147	A 0.1 147	A 0.1 147	A 0.2 147	A 0.1 147	A 0.1 147	A 0.1 147	A 0.1 147
128	A 0.2 107	A 0.1 107	A 0.1 107	A 0.2 107	A 0.1 107	A 0.2 107	A 0.2 107	A 0.2 107	A 0.2 107	A 0.2 107	A 0.2 107	A 0.1 107
129	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0.1 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52
130	A 0. 66	A 0. 66	A 0. 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66
131	A 0. 74	A 0. 74	A 0. 74	A 0.1 74	A 0.1 74	A 0. 74	A 0.1 74	A 0.1 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74
132	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48

Table 185 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
133	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34
134	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105
135	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32
136	A 0. 55	A 0. 55	A 0. 55	A 0.1 55	A 0. 55	A 0.1 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55
137	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32
138	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.2 80	A 0.2 80	A 0.2 80
139	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71
140	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
141	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
142	A 0. 70	A 0. 70	A 0. 70	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0. 81
143	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
144	A 0.5 199	A 0.5 199	A 0.5 199	A 9.8 267	A 8.7 267	A 10.5 267	A 9.9 199	A 10.3 199	A 9.5 199	A 5.7 199	F 0 0	F 0 0
145	A 2.7 131	A 3. 131	A 3.1 131	A 5.4 131	A 4.7 131	A 5.6 131	B 5.1 369	B 5.3 369	B 4.9 369	A 6.1 129	C 48.1 960	C 52. 960
146	A 0.1 120	A 0.1 120	A 0.1 120	A 5.3 116	A 4.8 116	A 1.9 120	A 6.1 114	A 6.3 114	A 5.8 114	A 3.7 114	F 0 0	F 0 0
147	A 0.1 90	A 0.1 90	A 0.1 90	A 5.3 90	A 4.7 90	A 1.9 90	A 6. 90	A 6.3 90	A 5.8 90	A 3.6 90	F 0 0	F 0 0
148	A 0.1 151	A 0.1 151	A 0.1 151	A 4.7 147	A 4.2 147	A 1.7 151	A 5.4 143	A 5.5 143	A 5.1 143	A 3.8 143	F 0 0	F 0 0
149	A 0.1 125	A 0.1 125	A 0.1 125	A 5.3 121	A 4.9 121	A 2. 125	A 6. 119	A 6.3 119	A 5.7 119	A 3.6 119	F 0 0	F 0 0
150	B 6.8 766	B 7.5 766	B 7.1 766	B 14.3 766	B 12.1 766	B 23.1 766	A 17.4 85	A 17.5 85	A 18. 85	A 9.6 85	B 17.4 332	B 5.8 332
151	B 0.6 654	B 0.9 654	B 1. 654	B 1.3 654	B 1.2 654	B 1.5 654	B 1.5 654	B 1.5 654	B 1.4 654	B 0.9 654	B 0.7 654	B 0.6 654
152	A 3. 255	A 3.3 255	A 3.3 255	A 1. 253	A 0.8 253	A 1. 253	A 1.3 253	A 1.3 253	A 1.1 253	A 1. 253	F 0 0	F 0 0
153	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
154	A 0.2 119	A 0.2 119	A 0.3 119	A 0.4 119	A 0.4 119	A 0.7 113	A 0.5 115	A 0.5 115	A 0.5 115	A 0.4 115	F 0 0	F 0 0
155	A 0.2 155	A 0.2 155	A 0.3 155	A 0.4 155	A 0.4 155	A 0.9 155	A 0.5 155	A 0.5 155	A 0.4 155	A 0.4 155	F 0 0	F 0 0
156	B 8.7 605	B 9.4 605	B 9.3 605	B 31. 605	B 27. 605	B 41.4 605	A 47.2 86	A 50.3 86	A 47.5 86	A 29.6 86	B 10.1 339	B 12.3 339
157	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93	A 0. 93
158	A 0.5 363	A 0.2 363	A 0.2 363	A 0.3 363	A 0.3 363	A 0.3 363	C 33.1 1540	C 33.2 1540	C 33. 1620	C 27.2 1360	F 0 0	F 0 0
159	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39
160	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42

2.184 7\_Inverse\_hyperbolic\_functions\7.2aInversehyperbolictangent\7.2.2.1x^m(c-a^2cx^2)^pE^(narctan

Table 186: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78
2	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62
3	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0. 65	A 0. 65
4	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0. 38
5	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 62
6	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 84	A 0.1 84	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98
7	A 0. 100	A 0. 100	A 0. 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 76	A 0.1 76	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90
8	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0.1 68	A 0.1 68	A 0.1 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68
9	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0.1 68	A 0.1 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68
10	A 0.1 133	A 0. 133	A 0. 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0.1 115	A 0.2 115	A 0.1 115	A 0.1 115	A 0.1 115	A 0.1 115	A 0.1 125
11	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84
12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0.1 13	A 0.1 13	A 0.1 13	A 0.1 13	A 0.1 13	A 0.1 13	A 0. 13
13	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 36	A 0.1 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 35
14	A 0. 67	A 0. 67	A 0. 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 66	A 0.1 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 65
15	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A 0. 52	A 0. 52	A 0. 51
16	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0.1 54	A 0.1 54	A 0.1 54	A 0. 54	A 0. 54	A 0. 54	A 0. 53
17	A 0. 65	A 0. 65	A 0. 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0. 64	A 0.1 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 63
18	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	C 0.1 94	C 0.1 94	C 0.1 94	C 0.1 94	C 0.1 94	C 0.1 94	C 0.1 94
19	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0.2 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44
20	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0.2 70	A 0.2 70	A 0.2 70	C 0.2 106	C 0.2 106	C 0.1 105	C 0.1 105
21	A 0. 71	A 0. 71	A 0. 71	A 0.1 71	A 0. 71	A 0.1 71	C 0.2 124	C 0.3 124	C 0.2 124	C 0.2 124	C 0.2 124	C 0.2 124	C 0.2 132
22	A 0. 84	A 0. 84	A 0. 84	A 0.1 84	A 0.1 84	A 0.1 84	C 0.2 119	C 0.2 119	C 0.2 119	C 0.2 119	C 0.2 119	C 0.2 119	C 0.1 120
23	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0. 82	C 3.9 711	C 0.3 242	C 0.3 242	C 0.3 242	C 0.9 360	C 0.6 360	C 0.6 360
24	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
25	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0. 51
26	A 0. 107	A 0. 107	A 0. 107	A 0. 107	A 0. 107	A 0. 107	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
27	A 0.1 105	A 0. 105	A 0. 105	A 0.1 105	A 0.1 105	A 0.1 105	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
28	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
29	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
30	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23

Table 186 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	gr
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	gr
31	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	
32	A 0. 36	A 0. 36	A 0. 36	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	
33	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	B 0. 42	B 0. 42	B 0. 42	B 0. 42	B 0. 42	B 0. 42	
34	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	
35	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	
36	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 87	A 0. 87	A 0. 87	A 0. 87	A 0. 87	A 0. 87	
37	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	
38	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	
39	A 0. 87	A 0. 87	A 0. 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0. 87	A 0. 87	A 0. 87	A 0. 87	
40	A 0. 64	A 0. 64	A 0. 64	A 0.1 64	A 0. 64	A 0. 64	A 0.1 66	A 0.1 66	A 0. 90	A 0. 90	A 0. 90	A 0. 90	
41	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.2 88	A 0.2 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	
42	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 95	
43	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	
44	A 0.2 127	A 0.2 127	A 0.2 127	A 0.2 127	A 0.2 127	A 0.2 127	A 0.2 127	A 0.2 127	A 0.2 127	A 0.2 127	A 0.2 127	A 0.1 138	
45	A 0.1 104	A 0.1 104	A 0.1 104	A 0.2 104	A 0.2 104	A 0.2 104	A 0.2 104	A 0.2 104	A 0.1 107	A 0.1 107	A 0.1 107	A 0.1 118	
46	A 0.2 109	A 0.2 109	A 0.2 109	A 0.3 109	A 0.2 109	A 0.3 109	A 0.4 109	A 0.4 109	A 0.2 115	A 0.1 115	A 0.1 115	A 0.1 127	
47	A 0.2 123	A 0.2 123	A 0.2 123	A 0.2 123	A 0.2 123	A 0.2 123	A 0.3 123	A 0.3 123	A 0.2 123	A 0.2 123	A 0.2 123	A 0.2 123	
48	A 0.1 135	A 0.1 135	A 0.1 135	A 0.1 135	A 0.1 135	A 0.1 135	A 0.2 107	A 0.2 107	A 0.2 107	A 0.2 107	A 0.2 107	A 0.1 107	
49	A 0.2 151	A 0.2 151	A 0.2 151	A 0.3 151	A 0.3 151	A 0.3 151	A 0.4 151	A 0.4 151	A 0.4 151	A 0.3 151	A 0.3 151	A 0.2 162	
50	A 0.2 97	A 0.2 97	A 0.2 97	A 0.2 97	A 0.2 97	A 0.2 97	A 0.2 97	A 0.2 97	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	
51	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	
52	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	
53	A 0.1 82	A 0.1 82	A 0.1 82	A 0.2 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	
54	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0. 38	A 0.1 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	
55	C 0.1 66	C 0.1 66	C 0.1 66	C 0.1 66	C 0.1 66	C 0.3 133	C 0.4 133	C 0.1 66	C 0.1 66	C 0.1 66	A 0.2 160	A 0.2 160	
56	A 0. 49	A 0. 49	A 0. 49	A 0.1 49	A 0. 49	A 0. 49	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 60	
57	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	
58	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	
59	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	C 0.1 98	C 0.2 98	C 0.1 98	C 0.1 98	C 0.1 98	C 0.1 98	
60	A 0. 79	A 0. 79	A 0. 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.4 107	A 0.3 107	A 0.3 107	C 0.3 138	C 0.2 138	C 0.2 137	
61	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0.1 66	A 0.1 66	A 0.1 66	A 0. 66	A 0. 66	A 0. 66	
62	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0. 75	
63	A 0. 68	A 0. 68	A 0. 68	A 0.1 68	A 0. 68	A 0.1 68	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	
64	A 0. 74	A 0. 74	A 0. 74	A 0.1 74	A 0. 74	A 0. 74	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	

Table 186 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	gr
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	gr
65	A 0.1 186	A 0.1 186	A 0.1 186	A 0.2 186	A 0.2 186	A 0.2 186	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
66	A 0.2 159	A 0.2 159	A 0.2 159	A 0.3 159	A 0.2 159	A 0.3 159	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
67	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 109	A 0. 109	A 0. 109	A 0. 109	A 0. 109	A 0. 109	
68	A 0. 38	A 0. 38	A 0. 38	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 35
69	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0. 44
70	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0. 75	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0. 82
71	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48
72	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0. 75
73	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	B 1.1 183	B 1.1 183	B 0.5 184	B 0.5 184	B 0.4 184	B 0.3 184	
74	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22
75	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 52
76	A 0. 61	A 0. 61	A 0. 61	A 0.1 61	A 0. 61	A 0. 61	A 0.1 87	A 0.1 87	A 0. 87	A 0. 87	A 0. 87	A 0. 87	A 0. 86
77	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.2 96	A 0.2 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96
78	A 0. 99	A 0. 99	A 0. 99	A 0.1 99	A 0. 99	A 0.1 99	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0. 72
79	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 117	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89
80	A 0.1 151	A 0.1 151	A 0.1 151	A 0.1 151	A 0.1 151	A 0.1 151	A 0.3 123	A 0.3 123	A 0.3 123	A 0.2 123	A 0.2 123	A 0.2 123	A 0.2 123
81	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0.1 35	A 0.1 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35
82	A 0. 69	A 0. 69	A 0. 69	A 0.1 69	A 0. 69	A 0.1 69	C 0.2 114	C 0.2 114	C 0.2 114	C 0.2 114	C 0.1 114	C 0.1 114	C 0.1 114
83	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0.3 97	A 0.3 97	A 0.2 97	C 0.2 122	C 0.2 122	C 0.1 121	
84	C 0. 42	C 0. 42	C 0. 42	C 0. 42	C 0. 42	C 0. 42	C 1.7 249	C 1.5 249	C 1.4 252	C 1.4 252	C 1.2 252	C 1. 256	
85	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69
86	A 0. 80	A 0. 80	A 0. 80	A 0. 80	A 0. 80	A 0. 80	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89
87	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0.2 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57
88	A 0. 96	A 0. 96	A 0. 96	A 0. 96	A 0. 96	A 0. 96	A 0.2 102	A 0.2 102	A 0.2 102	A 0.2 102	A 0.2 102	A 0.1 102	
89	A 0. 107	A 0. 107	A 0. 107	A 0.1 107	A 0.1 107	A 0.1 107	A 0.5 106	A 0.5 106	A 0.5 106	A 0.5 106	A 0.4 106	A 0.3 106	
90	A 0.1 178	A 0.1 178	A 0.1 178	A 0.2 178	A 0.2 178	A 0.2 178	A 0.6 142	A 0.5 142	A 0.4 142	A 0.4 142	A 0.4 142	A 0.3 142	
91	A 0. 65	A 0. 65	A 0. 65	A 0.1 65	A 0. 65	A 0.1 65	A 0.1 56	A 0.1 56	A 0.1 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56
92	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0.1 47	A 0.1 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47
93	A 0.1 170	A 0.1 170	A 0.1 170	A 0.1 170	A 0.1 170	A 0.1 170	A 0.1 152	A 0.1 152	A 0.1 152	A 0.1 152	A 0.1 152	A 0.1 148	
94	A 0.1 207	A 0.1 207	A 0.1 207	A 0.2 207	A 0.2 207	A 0.2 207	A 0.5 130	A 0.4 130	A 0.4 130	A 0.4 130	A 0.4 130	A 0.3 130	
95	A 0. 101	A 0. 101	A 0. 101	A 0. 101	A 0. 101	A 0. 101	A 0.2 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79
96	A 0.2 186	A 0.2 186	A 0.2 186	A 0.2 186	A 0.2 186	A 0.2 186	A 0.7 129	A 0.6 129	A 0.5 129	A 0.5 129	A 0.5 129	A 0.4 129	
97	A 0. 81	A 0. 81	A 0. 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.2 44	A 0.2 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44
98	A 0.1 30	A 0.1 30	A 0.1 30	A 0.2 30	A 0.2 30	A 0.2 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30	A 0.1 30

Table 186 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	gr
99	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59
100	A 0.3 59	A 0.3 59	A 0.3 59	A 0.5 59	A 0.5 59	A 0.5 59	A 0.7 59	A 0.7 59	A 0.9 59	A 0.7 59	A 0.7 59	A 0.7 59	A 0.6 59



2.185 7\_Inverse\_hyperbolic\_functions\7.2aInversehyperbolictangent\7.2.2Exponentialsofinversehyper

Table 187: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 60	A 0. 60	A 0. 60	A 0.1 60	A 0. 60	A 0. 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0. 60	A 0. 60
2	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
3	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 25
4	A 0. 51	A 0. 51	A 0. 51	A 0.1 51	A 0. 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0. 51	A 0. 51	A 0. 53
5	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0.1 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51
6	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
7	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34
8	A 0. 66	A 0. 66	A 0. 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0. 72	A 0. 72	A 0. 72	A 0. 78
9	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
10	A 0. 70	A 0. 70	A 0. 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0. 70
11	A 0. 44	A 0. 44	A 0. 44	A 0.1 44	A 0. 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0. 44
12	C 0. 94	C 0. 94	C 0. 94	C 0. 94	C 0. 94	C 0. 94	A 0.3 173	A 0.3 173	A 0.3 173	A 0.3 173	A 0.3 173	A 0.2 171
13	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
14	C 0. 54	C 0. 54	C 0. 54	C 0. 54	C 0. 54	C 0. 54	C 0.1 84	C 0.1 84	C 0.1 96	C 0.1 96	C 0.1 96	C 0.1 98
15	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	C 0. 55	A 0.2 76	A 0.2 76	A 0.2 76	A 0.2 76	A 0.2 76	A 0.1 74
16	C 0. 66	C 0. 66	C 0. 66	C 0. 66	C 0. 66	C 0. 66	C 0.2 104	C 0.2 104	C 0.1 115	C 0.1 115	C 0.1 115	C 0.1 106
17	A 0.2 174	A 0.2 174	A 0.2 174	A 0.3 174	A 0.2 174	A 0.2 174	C 0.1 83	C 0.1 83	C 0.1 83	C 0.1 83	C 0.1 83	C 0.1 85
18	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
19	C 0. 62	C 0. 62	C 0. 62	C 0. 62	C 0. 62	C 0. 62	C 0.2 93	C 0.2 93	C 0.1 105	C 0.1 105	C 0.1 105	C 0.1 95
20	A 0.2 150	A 0.1 150	A 0.1 150	A 0.2 150	A 0.2 150	A 0.2 150	C 0.1 72	C 0.1 72	C 0.1 72	C 0.1 72	C 0.1 72	C 0.1 74
21	C 0. 79	C 0. 79	C 0. 79	C 0. 79	C 0. 79	C 0. 79	C 0.2 114	C 0.2 114	C 0.2 114	C 0.2 114	C 0.2 114	C 0.1 116
22	C 0. 90	C 0. 90	C 0. 90	C 0.1 90	C 0.1 90	C 0.1 90	C 0.2 99	C 0.2 99	C 0.2 99	C 0.2 99	C 0.2 99	C 0.1 97
23	C 0. 86	C 0. 86	C 0. 86	C 0. 86	C 0. 86	C 0. 86	A 0.5 161	A 0.4 161	A 0.4 161	A 0.4 161	A 0.3 161	A 0.2 159
24	C 0. 59	C 0. 59	C 0. 59	C 0. 59	C 0. 59	C 0. 59	C 0.3 133	C 0.3 133	C 0.2 146	C 0.3 146	C 0.3 146	C 0.2 146
25	C 0. 74	C 0. 74	C 0. 74	C 0. 74	C 0. 74	C 0. 74	C 0.2 220	C 0.2 220	C 0.2 220	C 0.1 220	C 0.1 220	C 0.1 219
26	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	C 0.3 116	C 0.3 116	C 0.2 116	C 0.2 116	C 0.2 116	C 0.2 118
27	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
28	C 0. 92	C 0.1 92	C 0.1 92	C 0.1 92	C 0.1 92	C 0.6 265	C 0.5 265	C 0.1 92	C 0.1 92	C 0.1 92	C 0.1 134	C 0. 134
29	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
30	A 0.2 182	A 0.1 182	A 0.1 182	A 0.2 182	A 0.2 182	A 0.2 182	A 0.6 145	A 0.5 145	A 0.4 145	A 0.4 145	A 0.4 145	A 0.3 145

Table 187 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0.3 87	A 0.2 87	A 0.2 87	A 0.2 87	A 0.2 87	A 0.1 87
32	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0. 46
33	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36
34	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
35	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A 0. 31
36	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0.8 121	A 0.8 121	A 0.7 121	A 0.7 121	A 0.4 121	A 0.3 121
37	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
38	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36
39	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69
40	C 0. 45	C 0. 45	C 0. 45	C 0. 45	C 0. 45	C 0. 45	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 74
41	C 0. 43	C 0. 43	C 0. 43	C 0. 43	C 0. 43	C 0. 43	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45
42	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
43	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0.1 68	A 0.1 68	A 0.1 68	A 0. 68	A 0. 68	A 0. 68
44	A 0. 70	A 0. 70	A 0. 70	A 0.1 70	A 0. 70	A 0. 70	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0. 80
45	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0. 72
46	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0. 64	A 0. 64
47	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34
48	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0.1 53	A 0.1 53	A 0.1 53	A 0. 53	A 0. 53	A 0. 53
49	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0. 72
50	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0. 70	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0. 65
51	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0. 54
52	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	C 0. 57	A 0.2 122	A 0.2 122	A 0.2 122	A 0.2 122	A 0.2 122	A 0.2 122
53	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
54	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
55	A 0. 80	A 0. 80	A 0. 80	A 0. 80	A 0. 80	A 0. 80	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
56	A 0.1 57	A 0. 57	A 0. 57	B 0.1 79	B 0.1 79	B 0.1 79	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 42
57	A 0. 99	A 0. 99	A 0. 99	A 0. 99	A 0. 99	A 0. 99	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 92
58	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78
59	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0. 54
60	A 0. 107	A 0. 107	A 0. 107	A 0. 107	A 0. 107	A 0. 107	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 100
61	A 0.1 152	A 0.1 152	A 0.1 152	A 0.1 152	A 0.1 152	A 0.1 152	A 0.2 81	A 0.2 81	A 0.2 81	A 0.2 81	A 0.1 81	A 0.1 89
62	A 0.1 81	A 0. 81	A 0. 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 74
63	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0.1 49	A 0.1 49	A 0.1 49	A 0. 49	A 0. 49	A 0. 51
64	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 65

Table 187 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
65	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0.1 76	A 0.1 76	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 99
66	A 0. 91	A 0. 91	A 0. 91	A 0. 91	A 0. 91	A 0. 91	A 0.1 84	A 0.1 84	A 0.1 99	A 0.1 99	A 0.1 99	A 0.1 108
67	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 77
68	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69
69	C 0. 57	C 0. 57	C 0. 57	C 0.1 57	C 0.1 57	A 0.1 78	A 0.1 45	A 0.1 45	A 0.1 52	A 0. 52	A 0. 52	A 0. 52
70	A 0. 91	A 0. 91	A 0. 91	A 0. 91	A 0. 91	A 0. 91	A 0.1 72	A 0.1 72	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 97
71	A 0. 103	A 0. 103	A 0. 103	A 0.1 103	A 0. 103	A 0.1 103	A 0.2 84	A 0.2 84	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 114
72	A 0. 111	A 0. 111	A 0. 111	A 0.1 111	A 0.1 111	A 0.1 111	A 0.2 92	A 0.2 92	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 122
73	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 35	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45
74	A 0. 113	A 0. 113	A 0. 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.2 92	A 0.2 92	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 102
75	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
76	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 2.7 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20
77	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34	A 0. 34
78	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
79	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 61	A 0.1 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61
80	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45
81	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0.1 83	A 0.1 83	A 0.1 90	A 0.1 90	A 0.1 90	A 0.1 90
82	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73
83	A 0. 76	A 0. 76	A 0. 76	A 0. 76	A 0. 76	A 0. 76	A 0.2 113	A 0.2 113	A 0.2 118	A 0.2 118	A 0.1 118	A 0.1 118
84	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
85	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83
86	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.2 87	A 0.2 87	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86
87	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0.1 54	A 0.1 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54
88	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0.2 84	A 0.2 84	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 84
89	C 0. 65	C 0. 65	C 0. 65	C 0. 65	C 0. 65	C 0. 65	A 0.3 114	A 0.4 114	A 0.2 136	A 0.2 136	A 0.2 136	A 0.1 136
90	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
91	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	A 0. 77	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
92	A 0.1 159	A 0.1 159	A 0.1 159	A 0.2 75	A 0.2 75	A 0.2 75	A 0.2 75	A 0.2 75	A 0.2 75	A 0.2 75	A 0.1 75	A 0.1 80
93	C 0.1 95	C 0.1 95	C 0.1 95	A 0.2 69	A 0.2 69	A 0.2 69	A 0.1 69	A 0.1 69	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76
94	A 0.1 63	A 0.1 63	A 0.1 63	A 0.2 63	A 0.1 63	A 0.1 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 62
95	A 0.1 167	A 0.1 167	A 0.1 167	A 0.3 85	A 0.2 85	A 0.2 85	A 0.2 85	A 0.2 85	A 0.2 85	A 0.1 85	A 0.1 85	A 0.1 91
96	A 0. 81	A 0. 81	A 0. 81	A 0.1 81	A 0. 81	A 0. 81	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
97	A 0. 28	A 0. 28	A 0. 28	A 0.2 30	A 0.2 30	A 0.2 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
98	A 0.1 71	A 0.1 71	A 0.1 71	A 0.2 71	A 0.1 71	A 0.1 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 70

Table 187 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
99	A 0. 40	A 0.1 40	A 0.1 40	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47
100	A 0.1 53	A 0.1 53	A 0.1 53	A 0.2 68	A 0.2 68	A 0.2 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68
101	A 0. 65	A 0. 65	A 0. 65	A 0. 69	A 0. 69	A 0. 69	C 0.2 111	C 0.3 111	C 0.2 121	C 0.2 121	C 0.2 121	C 0.1 121
102	A 0.1 91	A 0.1 91	A 0.1 91	A 0.2 91	A 0.1 91	A 0.1 91	A 0.3 105	A 0.4 105	A 0.3 108	A 0.2 108	A 0.2 108	A 0.2 108
103	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88
104	C 0. 46	C 0. 46	C 0. 46	C 0. 46	C 0. 46	C 0. 46	A 0.2 107	A 0.3 107	A 0.2 110	A 0.2 110	A 0.2 110	A 0.2 110
105	C 0. 42	C 0. 42	C 0. 42	C 0. 42	C 0. 42	C 0. 42	C 0.3 118	C 0.3 118	C 0.3 118	C 0.2 118	C 0.2 118	C 0.1 118
106	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	A 0.1 120	C 0.4 210	C 0.5 210	C 0.3 210	C 0.3 210	C 0.3 210	C 0.2 210
107	C 0.2 151	A 2.1 108	A 2.1 108	A 3.1 108	A 2.7 108	A 2.8 108	C 0.3 151	C 0.3 151	C 0.2 153	C 0.2 153	C 0.1 153	C 0.1 153
108	A 0.2 133	A 0.2 133	A 0.2 133	A 0.4 133	A 0.3 133	A 0.4 133	A 0.7 174	A 0.8 174	A 0.7 174	A 0.5 174	A 0.5 174	A 0.4 188
109	A 0.1 125	A 0.1 125	A 0.1 125	A 0.2 125	A 0.2 125	A 0.2 125	A 0.9 166	A 0.9 166	A 0.6 166	A 0.5 166	A 0.4 166	A 0.2 195
110	A 0. 93	A 0. 93	A 0. 93	A 0.1 93	A 0. 93	A 0.1 93	A 0.1 135	A 0.1 135	A 0.1 135	A 0.1 135	A 0.1 135	A 0. 149
111	C 0.2 144	C 3. 200	C 2.8 200	C 0.5 200	C 0.5 200	C 3.9 200	C 0.5 144	C 0.5 144	C 0.5 146	C 0.3 146	C 0.3 146	C 0.2 167
112	A 0. 88	A 0. 88	A 0. 88	A 0.1 88	A 0.1 88	A 0.1 88	C 0.3 128	C 0.3 128	C 0.2 133	C 0.2 133	C 0.1 133	C 0.1 133
113	A 0. 65	A 0. 65	A 0. 65	A 0. 69	A 0. 69	A 0. 69	C 0.1 111	C 0.1 111	C 0.1 121	C 0. 121	C 0. 121	C 0. 121
114	C 0. 50	C 0. 50	C 0. 50	C 0. 50	C 0. 50	C 0. 50	A 0.1 82	A 0.2 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82
115	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 122	A 0.1 122	A 0.1 122	C 0.7 223	C 0.7 223	C 0.5 233	C 0.4 233	C 0.3 233	C 0.3 233
116	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0.1 65	A 0.1 65	A 0.1 65	A 0. 65	A 0. 65	A 0. 65
117	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.1 108	A 0.2 108	A 0.3 149	A 0.3 149	A 0.3 149	A 0.2 149	A 0.2 149	A 0.2 169
118	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66
119	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
120	A 0.1 97	A 0.1 97	A 0.1 97	A 0.5 194	A 0.5 194	A 0.5 194	A 0.6 148	A 0.5 148	A 0.4 148	A 0.4 148	A 0.4 148	A 0.3 148
121	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78	A 0. 78
122	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
123	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 68
124	C 0.2 191	C 0.2 191	C 0.1 191	C 0.2 191	C 0.2 191	C 0.2 191	A 0.4 124	A 0.4 124	A 0.4 124	A 0.3 124	A 0.3 124	A 0.2 131
125	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116
126	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51
127	C 0. 70	C 0. 70	C 0. 70	C 0. 70	C 0. 70	C 0. 70	A 0.4 124	A 0.4 124	A 0.4 124	A 0.3 124	A 0.3 124	A 0.2 131
128	C 0. 70	C 0. 70	C 0. 70	C 0. 70	C 0. 70	C 0. 70	A 0.2 108	A 0.2 108	A 0.2 108	A 0.2 108	A 0.2 108	A 0.1 115
129	C 0. 70	C 0. 70	C 0. 70	C 0. 70	C 0. 70	C 0. 70	A 0.2 92	A 0.2 92	A 0.2 92	A 0.1 92	A 0.1 92	A 0.1 99
130	A 0. 104	A 0. 104	A 0. 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0. 104	A 0. 103
131	C 0.1 186	C 0.1 186	C 0.1 186	C 0.1 186	C 0.1 186	C 0.1 186	A 0.3 108	A 0.3 108	A 0.3 108	A 0.2 108	A 0.2 108	A 0.2 115
132	A 0.1 128	A 0.1 128	A 0.1 128	A 0.1 128	A 0.1 128	A 0.1 128	A 0.2 91	A 0.3 91	A 0.2 91	A 0.2 91	A 0.1 91	A 0.1 97

Table 187 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
133	A 0. 98	A 0. 98	A 0. 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.7 198	A 0.6 198	A 0.6 198	A 0.2 145	A 0.1 145	A 0.1 108
134	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0. 82	A 0.6 178	A 0.5 178	A 0.4 178	A 0.1 129	A 0.1 129	A 0.1 92
135	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	A 0. 48	C 0.1 62	C 0.1 62	C 0.1 62	C 0.1 62	C 0.1 62	C 0.1 62
136	A 0.1 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0.1 133	A 0.1 135
137	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0. 64	A 0.5 152	A 0.4 152	A 0.3 152	A 0.1 111	A 0.1 111	A 0.1 74
138	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.5 131	A 0.4 131	A 0.4 131	A 0.4 131	A 0.4 131	A 0.3 133
139	A 0.1 146	A 0.1 146	A 0.1 146	A 0.1 146	A 0.1 146	A 0.1 146	A 0.5 166	A 0.5 166	A 0.4 166	A 0.4 166	A 0.4 166	A 0.3 168
140	A 0.1 115	A 0.1 115	A 0.1 115	A 0.1 115	A 0.1 115	A 0.1 115	A 1. 226	A 0.8 226	A 0.8 226	A 0.1 161	A 0.1 161	A 0.1 124
141	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0.5 158	A 0.4 158	A 0.3 158	A 0.1 110	A 0.1 110	A 0.1 73
142	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0.3 101	A 0.2 101	A 0.2 101	C 0.1 80	C 0.1 80	C 0.1 67
143	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 110	A 0.1 110	A 0.2 137	A 0.3 137	A 0.2 137	A 0.2 137	A 0.2 137	A 0.1 141
144	A 0.1 146	A 0.1 146	A 0.1 146	A 0.1 146	A 0.1 146	A 0.1 146	A 0.3 157	A 0.3 157	A 0.3 157	A 0.3 157	A 0.2 157	A 0.2 161
145	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79
146	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	C 0.1 66	C 0.1 66	C 0.1 66	C 0.1 66	C 0.1 66	C 0.1 66
147	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0.3 92	A 0.2 92	A 0.2 92	C 0.1 80	C 0.1 80	C 0.1 67
148	A 0. 74	A 0. 74	A 0. 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0.4 98	A 0.3 98	A 0.3 98	C 0.2 129	C 0.2 129	C 0.1 128
149	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50
150	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0.3 101	A 0.2 101	A 0.2 101	A 0.1 72	A 0.1 72	A 0. 47
151	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0.1 42	A 0.1 42	A 0.1 42	A 0. 42	A 0. 42	A 0. 42
152	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102
153	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0.3 96	A 0.3 96	A 0.2 96	C 0.1 121	C 0.1 121	C 0.1 120
154	A 0. 78	A 0. 78	A 0. 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.6 148	A 0.5 148	A 0.4 148	C 0.2 137	C 0.1 137	C 0.1 136
155	A 0. 87	A 0. 87	A 0. 87	A 0.1 87	A 0.1 87	A 0.1 87	A 0.7 210	A 0.7 210	A 0.6 210	C 0.2 145	C 0.2 145	C 0.1 144
156	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
157	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.1 130	A 0.4 104	A 0.3 104	A 0.3 104	A 0.3 104	A 0.2 104	A 0.2 104
158	C 0.1 142	C 0.1 142	C 0.1 142	C 0.1 142	C 0.1 142	C 0.1 142	C 0.4 235	C 0.5 235	C 0.1 142	C 0.1 142	C 0.1 142	C 0.1 142
159	C 0.1 142	C 0.1 142	C 0.1 142	C 0.1 142	C 0.1 142	C 0.1 142	C 0.4 226	C 0.5 226	C 0.1 142	C 0.1 142	C 0.1 142	C 0.1 142
160	C 3.6 184	C 3.5 184	C 3.6 184	C 9.5 184	C 8.7 184	C 10.4 184	C 10.2 185	C 10.7 185	C 9.7 185	C 8.8 185	C 3. 185	C 2.2 185
161	C 0. 71	C 0. 71	C 0. 71	C 0. 77	C 0. 77	C 0. 77	C 7.5 138	C 7.9 138	C 7.2 138	C 6.5 138	C 1.7 138	C 1.2 138
162	C 2.3 176	C 2.3 176	C 2.3 176	C 7.3 176	C 7.1 176	C 8. 176	C 8.1 176	C 8.6 176	C 7.8 176	C 7. 176	C 2.2 176	C 1.6 176
163	C 2.9 162	C 2.9 162	C 3. 162	C 8.3 162	C 7.8 162	C 9.1 162	C 9.6 165	C 10.1 165	C 9.1 170	C 8.2 170	C 2.4 170	C 1.9 159
164	A 0.1 123	A 0.1 123	A 0.1 123	A 0.2 123	A 0.1 117	A 0.1 117	A 0.2 155	A 0.2 155	A 0.2 155	A 0.2 155	A 0.2 155	A 0.2 183
165	A 0.3 160	A 0.3 160	A 0.3 160	A 0.5 160	A 0.4 160	A 0.4 160	A 0.1 106	A 0.1 106	A 0.1 109	A 0.1 109	A 0.1 109	A 0.1 109
166	A 0.1 122	A 0.1 122	A 0.1 122	A 0.1 122	A 0.1 117	A 0.2 117	A 0.2 155	A 0.2 155	A 0.2 155	A 0.1 155	A 0.1 155	A 0.1 183

Table 187 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
167	A 0. 71	A 0. 71	A 0. 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71
168	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44
169	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0.2 55	A 0.2 55	B 0.2 60	B 0.1 60	B 0.2 60	B 0.1 57
170	A 0. 70	A 0. 70	A 0. 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68
171	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0.1 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
172	A 0.3 137	A 0.3 137	A 0.3 137	A 0.4 137	A 0.4 131	A 0.5 131	A 0.1 142	A 0.1 142	A 0.1 142	A 0.1 142	A 0.1 142	A 0.1 162
173	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0. 37	B 0. 37	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10
174	A 0.2 118	A 0.2 118	A 0.2 118	A 0.3 118	A 0.3 118	A 0.3 118	A 0.2 118	A 0.2 118	A 0.2 118	A 0.2 118	A 0.1 118	A 0.1 133
175	A 0.2 220	A 0.2 220	A 0.2 220	A 0.3 220	A 0.2 220	A 0.2 220	A 1.9 219	A 1.5 219	A 1.4 219	A 1.5 219	A 1.3 219	A 1.2 219
176	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	A 0. 83	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
177	A 0. 123	A 0. 123	A 0. 123	A 0.1 123	A 0.1 123	A 0.1 123	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

2.186 7\_Inverse\_hyperbolic\_functions\7.2bInversehyperboliccotangent\7.2.1Inversehyperboliccotangent

Table 188: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
1	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A
2	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A
3	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A
4	A 0.3 87	A 0.3 87	A 0.3 87	A 0.5 87	A 0.4 87	A 0.4 87	A 0.8 87	A 0.6 87	A 0.6 87	A 0.5 87	A 0.5 87	A
5	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A
6	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 49	A 0.1 54	A 0.1 54	A 0.1 54	A
7	A 0.2 87	A 0.2 87	A 0.2 87	A 0.2 87	A 0.2 87	A 0.3 87	A 0.3 87	A 0.2 87	A 0.2 87	A 0.2 87	A 0.2 87	A
8	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A
9	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.2 72	A 0.2 72	A 0.2 73	A 0.1 73	A 0.1 73	A
10	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A
11	B 8.3 1559	B 9.1 1559	B 9.2 1559	B 13. 1846	B 12.8 1659	B 12.9 1838	B 13. 1838	B 13.1 1838	B 13. 1838	B 12.9 1838	B 12.9 1838	B
12	A 0.7 125	A 0.7 125	A 0.7 125	A 1. 125	A 0.9 125	A 0.9 125	A 1.8 125	A 1.2 125	A 1.1 125	A 1. 125	A 0.5 123	A
13	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0.1 81	A 0.1 81	A 0.1 83	A 0.1 83	A 0. 83	A
14	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 58	A 0. 58	A 0. 58	A
15	A 0.2 106	A 0.2 106	A 0.2 106	A 0.3 106	A 0.2 106	A 0.2 106	A 0.4 106	A 0.3 106	A 0.3 106	A 0.3 106	A 0.3 106	A
16	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A
17	B 0. 144	B 0. 144	B 0. 144	B 0. 312	B 0. 312	B 0. 312	C 0.2 291	C 0.2 291	C 0.2 291	C 0.1 291	C 0.1 291	C
18	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A
19	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A
20	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A
21	C 0. 52	C 0. 52	C 0. 52	B 0.1 97	C 0. 52	C 0. 52	C 0.1 52	C 0.1 52	C 0.1 52	C 0. 52	C 0.1 52	C
22	A 0. 34	A 0. 34	A 0. 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0.1 34	A 0. 34	A 0. 34	A
23	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A
24	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A
25	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A
26	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A
27	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A
28	A 0. 66	A 0. 66	A 0. 66	A 0.1 66	A 0.1 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0.1 66	A 0.1 66	A
29	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 106	A
30	A 0. 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0. 70	A 0. 70	A 0.1 70	A 0.1 70	A





2.187 7\_Inverse\_hyperbolic\_functions\7.2bInversehyperboliccotangent\7.2.2Exponentialsofinversehyper

Table 189: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36
2	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 13
3	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47	A 0.1 47
4	A 0. 60	A 0. 60	A 0. 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0. 60
5	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0.1 49	A 0.1 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49
6	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42
7	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.2 59	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62
8	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33
9	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 75	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80
10	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0.1 54	A 0.1 54	A 0.1 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61
11	A 0.2 149	A 5.1 149	A 5.1 149	A 5.2 149	A 5.2 149	A 5.2 149	A 0.3 149	A 0.3 149	A 0.2 149	A 0.3 149	A 0.3 149	A 0.3 149	A 0.2 147
12	A 0.2 125	C 6.1 399	C 6.3 399	A 5.2 125	A 5.2 125	A 5.2 125	A 0.2 125	A 0.2 125	A 0.2 125	A 0.2 125	A 0.2 125	A 0.2 125	A 0.1 123
13	C 0. 30	C 0. 30	C 0. 30	C 0.1 30	C 0.1 30	C 0. 30	C 0.1 87	C 0.1 87	C 0.1 87	C 0.1 87	C 0.1 87	C 0.1 87	C 0.1 85
14	C 0.1 93	C 0.1 93	C 0.1 93	C 0.1 93	C 0.1 93	C 0.1 93	C 0.2 93	C 0.1 93	C 0.1 93	C 0.1 93	C 0.1 93	C 0.1 93	C 0.1 95
15	C 0. 30	C 0.1 30	C 0.1 30	C 0.1 30	C 0.1 30	C 0.1 30	C 0.1 97	C 0.1 97	C 0.1 97	C 0.1 97	C 0.1 97	C 0.1 97	C 0.1 95
16	A 0.2 186	A 0.2 186	A 0.2 186	A 0.3 186	A 0.3 186	A 0.3 186	C 0.2 94	C 0.2 94	C 0.2 105	C 0.2 105	C 0.2 105	C 0.2 105	C 0.1 107
17	C 0. 28	C 0.1 28	C 0.1 28	C 0.1 28	C 0.1 28	C 0.1 28	C 0.1 85	C 0.1 85	C 0.1 85	C 0.1 85	C 0.1 85	C 0.1 85	C 0.1 83
18	A 0.2 174	A 0.1 174	A 0.1 174	A 0.2 174	A 0.2 174	A 0.2 174	C 0.2 84	C 0.2 84	C 0.1 96	C 0.2 96	C 0.2 96	C 0.2 96	C 0.1 98
19	A 0.3 198	A 5.3 198	A 5.3 198	A 5.4 198	A 5.4 198	A 5.4 198	A 0.6 198	A 0.5 198	A 0.5 198	A 0.5 198	A 0.4 198	A 0.3 196	A 0.3 196
20	C 0.1 101	C 0.1 101	C 0.1 101	C 0.2 101	C 0.2 101	C 0.1 101	C 0.2 94	C 0.2 94	C 0.2 94	C 0.2 94	C 0.2 94	C 0.2 94	C 0.2 96
21	C 0. 35	C 0. 35	C 0. 35	C 0.1 35	C 0. 35	C 0. 35	A 0.3 147	A 0.3 147	A 0.2 147	A 0.2 147	A 0.2 147	A 0.2 147	A 0.2 147
22	C 0.2 133	C 0.1 133	C 0.1 133	C 0.2 133	C 0.2 133	C 0.2 133	C 0.3 133	C 0.3 133	C 0.3 146	C 0.3 146	C 0.3 146	C 0.3 146	C 0.2 146
23	A 0.4 165	A 0.4 165	A 0.4 165	A 0.5 165	A 0.4 165	A 0.4 165	A 0.3 165	A 0.3 165	A 0.2 165	A 0.2 165	A 0.2 165	A 0.2 165	A 0.2 167
24	A 0.1 87	A 0.1 87	A 0.1 87	A 0.2 87	A 0.1 87	A 0.1 87	C 0.2 112	C 0.2 112	C 0.2 112	C 0.2 112	C 0.2 112	C 0.2 112	C 0.2 114
25	C 0.1 46	C 0.1 46	C 0. 46	C 0.1 46	C 0.1 46	C 0.1 46	C 0.1 70	C 0.1 70	C 0.1 70	C 0.1 70	C 0.1 70	C 0.1 70	C 0.1 70
26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
27	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
28	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
29	A 0.4 118	A 0.4 118	A 0.4 118	A 0.6 118	A 0.6 118	A 0.6 118	A 0.8 118	A 0.7 118	A 0.6 118	A 0.7 118	A 0.6 118	A 0.5 118	A 0.5 118
30	A 0.1 142	A 0.1 142	A 0.1 142	A 0.2 142	A 0.1 142	A 0.2 142	A 0.2 142	A 0.2 142	A 0.2 142	A 0.1 142	A 0.2 142	A 0. 41	A 0. 41



Table 189 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	gr
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	gr
65	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 62	A 0. 62	A 0. 62	
66	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0.1 53	A 0.1 53	A 0. 53	A 0.1 53	A 0. 53	A 0. 53	
67	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0. 74	A 0.1 85	A 0.1 85	A 0.1 91	A 0.1 91	A 0.1 91	A 0.1 91	
68	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	
69	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	A 0.1 70	
70	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0. 61	
71	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.2 101	A 0.2 101	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 106	
72	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0. 66	
73	A 0. 89	A 0. 89	A 0. 89	A 0.1 89	A 0. 89	A 0. 89	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
74	A 0.2 33	A 0.2 33	A 0.2 33	A 0.2 33	A 0.2 33	A 0.2 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0. 33	
75	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
76	A 0. 96	A 0. 96	A 0. 96	A 0.1 96	A 0.1 96	A 0.1 96	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
77	A 0.1 41	A 0. 41	A 0. 41	A 0.2 42	A 0.2 42	A 0.2 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	
78	A 0. 16	A 0. 16	A 0. 16	A 0.1 16	A 0.1 16	A 0.1 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	A 0. 16	
79	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 28	
80	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	
81	A 0.1 51	A 0.1 51	A 0. 51	A 0.3 66	A 0.3 66	A 0.3 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	
82	A 0.1 71	A 0.1 71	A 0.1 71	A 0.2 71	A 0.1 71	A 0.1 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 70	
83	A 0.2 55	A 0.1 55	A 0.1 55	A 0.2 55	A 0.2 55	A 0.2 55	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	
84	A 0. 94	A 0. 94	A 0. 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 70	A 0.1 70	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	
85	C 0.3 424	C 0.2 424	C 0.2 424	C 0.4 424	C 0.4 424	C 0.4 424	A 0.1 85	A 0.2 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	
86	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0.1 61	A 0. 61	
87	A 0. 94	A 0. 94	A 0. 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 98	
88	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 106	
89	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.5 160	A 0.5 160	A 0.4 160	A 0.4 160	A 0.3 160	A 0.3 165	
90	A 0. 55	A 0. 55	A 0. 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	
91	A 0.1 109	A 0.1 109	A 0.1 109	A 0.1 109	A 0.1 109	A 0.1 109	A 0.5 168	A 0.5 168	A 0.4 168	A 0.4 168	A 0.3 168	A 0.3 173	
92	A 0. 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.1 89	A 0.6 144	A 0.6 144	A 0.3 154	A 0.3 154	A 0.2 154	A 0.2 159	
93	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0.2 133	A 0.3 133	A 0.2 143	A 0.1 143	A 0.1 143	A 0.1 148	
94	A 0. 92	A 0. 92	A 0. 92	A 0.1 92	A 0.1 92	A 0.1 92	A 0.1 135	A 0.1 135	A 0.1 135	A 0.1 135	A 0.1 135	A 0.1 147	
95	A 0. 94	A 0. 94	A 0. 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 137	A 0.1 137	A 0.1 137	A 0.1 137	A 0.1 137	A 0.1 152	
96	C 0.1 124	C 0.1 124	C 0.1 124	C 0.1 124	C 0.1 124	C 0.1 124	A 0.4 157	A 0.4 157	A 0.4 157	A 0.3 157	A 0.3 157	A 0.2 179	
97	A 0.5 147	A 0.6 147	A 0.6 147	A 0.5 147	A 0.4 147	A 0.5 147	A 0.5 147	A 0.5 147	A 0.3 157	A 0.2 157	A 0.2 157	A 0.2 162	
98	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0.1 45	A 0. 45	

Table 189 – continued from previous page

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
99	A 0.3 170	A 0.3 170	A 0.3 170	A 0.4 170	A 0.3 170	A 0.4 170	A 0.4 170	A 0.4 170	A 0.3 170	A 0.3 170	A 0.3 170	A 0.2 185	A 0.2 185
100	A 0.8 139	A 0.9 139	A 0.9 139	A 0.5 139	A 0.5 139	A 0.5 139	A 0.4 139	A 0.4 139	A 0.2 149	A 0.2 149	A 0.1 149	A 0.1 154	A 0.1 154
101	A 0.3 132	A 0.4 132	A 0.4 132	A 0.2 132	A 0.2 132	A 0.3 132	A 0.1 132	A 0.1 132	A 0.1 132	A 0.1 132	A 0.1 132	A 0.1 137	A 0.1 137
102	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.2 158	A 0.2 158	A 0.2 158	A 0.1 158	A 0.1 158	A 0.1 172	A 0.1 172
103	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.2 110	A 0.3 110	A 0.2 110	A 0.2 110	A 0.2 110	A 0.1 127	A 0.1 127
104	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0.2 95	A 0.3 126	A 0.3 126	A 0.2 134	A 0.2 134	A 0.2 134	A 0.1 151	A 0.1 151
105	A 0.1 113	A 0. 113	A 0. 113	A 0.1 113	A 0.1 113	A 0.1 113	A 0.5 143	A 0.4 143	A 0.4 143	A 0.4 143	A 0.3 143	A 0.3 143	A 0.3 143
106	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
107	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
108	A 0. 87	A 0. 87	A 0. 87	A 0.1 87	A 0.1 87	A 0.1 87	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
109	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 92	A 0. 92	A 0. 92	A 0. 92	A 0. 92	A 0. 92	A 0. 92
110	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42
111	A 0.1 95	A 0.1 95	A 0.1 95	A 0.2 95	A 0.2 95	A 0.1 95	A 0.2 95	A 0.2 95	A 0.2 95	A 0.1 95	A 0.1 95	A 0.1 95	A 0.1 95
112	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65	A 0. 65
113	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90
114	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41
115	A 0. 71	A 0. 71	A 0. 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105	A 0.1 105
116	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51
117	A 0.1 167	A 0.1 167	A 0.1 167	A 0.2 167	A 0.2 167	A 0.2 167	A 0.3 139	A 0.3 139	A 0.3 139	A 0.3 139	A 0.2 139	A 0.2 139	A 0.2 139
118	A 0. 49	A 0. 49	A 0. 49	A 0. 53	A 0. 53	A 0. 53	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 66	A 0.1 65	A 0.1 65
119	A 0. 71	A 0. 71	A 0. 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.3 79	A 0.3 79	A 0.2 79	A 0.2 79	A 0.2 79	A 0.2 79	A 0.2 79
120	A 0. 79	A 0. 79	A 0. 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121	A 0.1 121
121	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0. 71	A 0. 71	A 0. 71
122	A 0. 100	A 0. 100	A 0. 100	A 0.1 100	A 0.1 100	A 0.1 100	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0. 71	A 0. 71
123	A 0. 79	A 0. 79	A 0. 79	A 0.1 79	A 0. 79	A 0.1 79	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0.1 58	A 0. 58	A 0. 58
124	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0. 69	A 0. 69
125	A 0. 58	A 0. 58	A 0. 58	A 0. 56	A 0. 56	A 0. 56	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0.1 60
126	A 0. 47	A 0. 47	A 0. 47	A 0. 52	A 0. 52	A 0. 52	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67
127	A 0. 76	A 0. 76	A 0. 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0. 71	A 0. 71
128	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.1 76	A 0.2 76	A 0.2 76	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 95	A 0.1 95
129	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 87	A 0.1 87	A 0.1 87	A 0.1 98	A 0.1 98
130	A 0. 54	A 0. 54	A 0. 54	A 0. 55	A 0. 55	A 0. 55	A 0.4 88	A 0.3 88	A 0.3 88	A 0.3 88	A 0.3 88	A 0.2 90	A 0.2 90
131	A 0. 64	A 0. 64	A 0. 64	A 0. 69	A 0. 69	A 0. 69	A 0.3 85	A 0.3 85	A 0.2 85	A 0.2 85	A 0.2 85	A 0.2 87	A 0.2 87
132	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 77	A 0.1 77	A 0.1 77	A 0.4 127	A 0.4 127	A 0.4 127	A 0.4 127	A 0.3 127	A 0.3 127	A 0.3 127

Table 189 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	gr
133	A 0.1 62	A 0.1 62	A 0.1 62	A 0.1 60	A 0.1 60	A 0.1 60	A 0.3 84	A 0.3 84	A 0.2 84	A 0.2 84	A 0.2 84	A 0.2 84	
134	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0.1 52	A 0.1 52	A 0.1 52	A 0. 52	A 0. 52	A 0. 52	
135	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.2 96	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 96	
136	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	A 0.1 88	
137	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	A 0.1 79	
138	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 111	
139	C 0.1 110	C 0.2 110	C 0.2 110	C 0.2 110	C 0.2 110	C 0.4 191	C 0.5 191	C 0.2 110	C 0.2 110	C 0.2 110	C 0.5 153	C 0.4 153	
140	B 1.4 267	B 1.5 267	B 1.5 267	B 2.3 267	B 2.3 267	B 2.2 267	B 3.4 267	B 2.7 267	B 2.5 267	B 2.7 267	B 2.3 267	B 2. 267	
141	A 0.1 82	A 0.1 82	A 0.1 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.1 82	
142	A 0.2 55	A 0.2 55	A 0.2 55	A 0.2 55	A 0.2 55	A 0.2 55	A 0. 55	A 0.1 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	
143	A 0.4 127	A 0.4 127	A 0.4 127	A 0.4 127	A 0.4 127	A 0.4 127	A 0.5 127	A 0.4 127	A 0.4 127	A 0.4 127	A 0.4 127	A 0.3 127	
144	A 0.6 109	A 0.6 109	A 0.7 109	A 0.7 109	A 0.7 109	A 0.7 109	A 1. 109	A 0.9 109	A 0.8 109	A 0.8 109	A 0.7 109	A 0.5 109	
145	A 0.5 108	A 0.5 108	A 0.5 108	A 0.6 108	A 0.6 108	A 0.6 108	A 0.8 108	A 0.8 108	A 0.7 108	A 0.7 108	A 0.6 108	A 0.5 108	
146	A 0.1 83	A 0.1 83	A 0.1 83	A 0.2 83	A 0.2 83	A 0.2 83	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
147	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	B 0.2 133	B 0.2 133	B 0.2 133	B 0.2 133	B 0.1 133	B 0.1 133	
148	A 0.1 122	A 0.2 122	A 0.2 122	A 0.2 122	A 0.2 122	A 0.2 122	A 0.6 122	A 0.6 122	A 0.5 122	A 0.5 122	A 0.3 122	A 0.2 122	
149	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	B 0.1 125	B 0.2 125	B 0.1 125	B 0.1 125	B 0.1 125	B 0.1 125	
150	A 0.5 115	A 0.4 115	A 0.3 115	A 0.3 115	A 0.3 115	A 0.3 115	A 0.2 115	A 0.2 115	A 0.2 115	A 0.2 115	A 0.1 115	A 0.1 115	
151	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	
152	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 27	
153	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 98	A 0.1 126	A 0.1 126	A 0.1 126	A 0. 125	
154	A 0.2 126	A 0.2 126	A 0.2 126	A 0.2 126	A 0.2 126	A 0.2 126	A 0.3 126	A 0.3 126	A 0.3 126	A 0.3 126	A 0.2 126	A 0.2 126	
155	A 0.4 117	A 0.4 117	A 0.3 117	A 0.3 117	A 0.3 117	A 0.3 117	A 0.2 117	A 0.2 117	A 0.2 117	A 0.2 117	A 0.1 117	A 0.1 117	
156	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116	A 0. 116	
157	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 32	
158	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	
159	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0.1 124	A 0. 123	
160	A 0.2 110	A 0.2 110	A 0.2 110	A 0.2 110	A 0.2 110	A 0.2 110	A 0.2 110	A 0.3 110	A 0.2 110	A 0.2 110	A 0.2 110	A 0.1 110	
161	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.2 94	A 0.2 94	A 0.2 94	A 0.2 94	A 0.1 94	A 0.1 94	
162	A 0.3 78	A 0.3 78	A 0.2 78	A 0.2 78	A 0.2 78	A 0.2 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	
163	A 0. 38	A 0. 38	A 0. 38	A 0. 39	A 0. 39	A 0. 39	A 0.2 84	A 0.2 84	A 0.2 84	A 0.2 84	A 0.2 94	A 0.2 77	
164	A 0. 51	A 0. 51	A 0. 51	A 0. 50	A 0. 50	A 0. 50	A 0.2 86	A 0.2 86	A 0.2 86	A 0.2 86	A 0.2 95	A 0.2 97	
165	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.2 106	A 0.2 106	A 0.2 106	A 0.2 106	A 0.2 106	A 0.2 106	
166	A 0.1 96	A 0.1 96	A 0.1 96	A 0.1 86	A 0.1 86	A 0.1 86	A 0.4 134	A 0.4 134	A 0.3 134	A 0.3 134	A 0.3 134	A 0.2 110	

Table 189 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	gr
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	gr
167	A 0. 95	A 0. 95	A 0.1 95	A 0.1 97	A 0.1 97	A 0.1 97	A 0.8 282	A 0.7 282	A 0.7 282	A 0.6 282	A 0.6 208	A 0.5 210	gr
168	A 0. 39	A 0. 39	A 0. 39	A 0. 41	A 0. 41	A 0. 41	A 0.2 84	A 0.2 84	A 0.2 84	A 0.2 84	A 0.2 103	A 0.2 105	
169	A 0. 70	A 0. 70	A 0. 70	A 0.1 65	A 0.1 65	A 0.1 65	A 0.3 115	A 0.3 115	A 0.3 115	A 0.3 115	A 0.2 115	A 0.2 86	
170	A 0.1 119	A 0.1 119	A 0.1 119	A 0.2 104	A 0.2 104	A 0.2 104	A 0.3 154	A 0.3 154	A 0.3 154	A 0.3 154	A 0.2 154	A 0.2 142	
171	A 0.2 150	A 0.1 150	A 0.2 150	A 0.2 150	A 0.2 150	A 0.2 150	A 0.2 150	A 0.2 150	A 0.2 150	A 0.2 150	A 0.2 150	A 0.2 152	
172	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0.1 52	A 0.1 52	A 0.1 52	A 0. 52	A 0. 52	A 0. 52	
173	A 0. 77	A 0. 77	A 0. 77	A 0.1 77	A 0.1 77	A 0.1 77	A 0.1 76	A 0.1 76	A 0.1 76	A 0. 76	A 0. 76	A 0. 78	
174	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	
175	A 0. 51	A 0. 51	A 0. 51	A 0. 52	A 0. 52	A 0. 52	A 0.2 92	A 0.2 92	A 0.2 92	A 0.2 92	A 0.2 92	A 0.2 94	
176	A 0. 73	A 0. 73	A 0. 73	A 0.1 76	A 0.1 76	A 0.1 76	A 0.3 95	A 0.3 95	A 0.2 95	A 0.2 95	A 0.2 95	A 0.2 97	
177	A 0. 77	A 0. 77	A 0. 77	A 0.1 81	A 0.1 81	A 0.1 81	A 0.3 103	A 0.3 103	A 0.3 103	A 0.3 103	A 0.2 103	A 0.2 105	
178	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0.1 52	A 0.1 52	A 0.1 52	A 0. 52	A 0. 52	A 0. 52	
179	A 0. 40	A 0. 40	A 0. 40	A 0. 41	A 0. 41	A 0. 41	A 0.3 100	A 0.2 100	A 0.2 100	A 0.2 100	A 0.2 100	A 0.2 102	
180	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0.1 84	A 0. 86	
181	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	
182	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 102	A 0.1 87	
183	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0.3 107	A 0.2 107	A 0.2 107	A 0.2 107	A 0.2 107	A 0.2 107	
184	A 0. 72	A 0. 72	A 0. 72	A 0. 75	A 0. 75	A 0. 75	A 0.3 105	A 0.3 105	A 0.3 105	A 0.3 105	A 0.2 105	A 0.2 107	
185	A 0.2 94	A 0.2 94	A 0.2 94	A 0.3 94	A 0.3 94	A 0.3 94	A 0.3 94	A 0.2 94	A 0.2 94	A 0.2 94	A 0.2 94	A 0.2 94	
186	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
187	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	

2.188 7\_Inverse\_hyperbolic\_functions\7.3aInversehyperbolicsecant\7.3.1u(a+barcsech(cx))^n

Table 190: Breakdown of results for each integral

#	14.1			14			13.3			12.3.1			12.1			12			11.3			11.2			10.3			9			8			
	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	grade	cpu	size	
1	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.1	77	A	0.2	77	A	0.2	77	A	0.1	77	A	0.1	77	A	0.1	77	A
2	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A	0.	63	A
3	A	0.	54	A	0.	54	A	0.	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A	0.1	54	A
4	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A	0.1	73	A
5	A	0.3	101	A	0.3	101	A	0.3	101	A	0.4	101	A	0.4	101	A	0.4	101	A	0.6	101	A	0.5	101	A	0.4	101	A	0.4	101	A	0.4	101	A
6	A	0.	75	A	0.	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A	0.1	75	A
7	C	0.1	143	C	0.1	143	C	0.1	143	C	0.2	143	C	0.2	143	C	0.2	143	C	0.3	143	C	0.3	143	C	0.3	143	C	0.3	143	C	0.3	143	C
8	C	0.1	123	C	0.1	123	C	0.1	123	C	0.1	123	C	0.1	123	C	0.1	123	C	0.2	123	C	0.2	123	C	0.2	123	C	0.2	123	C	0.2	123	C
9	A	0.1	117	A	0.1	117	A	0.1	117	A	0.1	117	A	0.1	117	A	0.1	117	A	0.1	117	A	0.1	117	A	0.1	117	A	0.1	117	A	0.1	117	A
10	A	0.1	137	A	0.1	137	A	0.1	137	A	0.1	137	A	0.1	137	A	0.1	137	A	0.1	137	A	0.2	137	A	0.2	137	A	0.2	137	A	0.1	137	A
11	A	0.1	116	A	0.1	116	A	0.1	116	A	0.2	116	A	0.2	116	A	0.2	116	A	0.2	116	A	0.1	116	A	0.1	116	A	0.1	116	A	0.1	116	A
12	A	0.2	134	A	0.2	134	A	0.2	134	A	0.3	134	A	0.3	134	A	0.3	134	A	0.4	134	A	0.3	134	A	0.3	134	A	0.3	134	A	0.2	134	A
13	A	0.2	165	A	0.2	165	A	0.2	165	A	0.3	165	A	0.3	165	A	0.4	165	A	0.5	165	A	0.6	165	A	0.5	165	A	0.4	165	A	0.4	165	A
14	C	0.2	190	C	0.2	190	C	0.2	190	C	0.4	190	C	0.4	190	C	0.4	190	C	0.5	190	C	0.6	190	C	0.6	190	C	0.4	190	C	0.4	190	C
15	A	0.3	142	A	0.2	142	A	0.2	142	A	0.4	122	A	0.3	122	A	0.3	122	A	1.1	134	A	1.1	134	A	0.5	134	A	0.4	134	A	0.3	134	A
16	C	15.7	1707	C	15.1	1707	C	15.4	1707	C	11.5	1707	C	11.3	1707	C	11.4	1707	C	2.2	286	C	12.2	2256	C	12.2	2256	C	1.8	286	C	1.6	286	C
17	C	27.2	8675	C	25.4	8675	C	25.5	8675	C	15.	8675	C	14.8	8675	C	14.8	8675	C	13.1	1193	C	13.2	8675	C	13.1	8675	C	13.1	1193	C	10.9	1019	C
18	A	0.2	127	A	0.2	127	A	0.2	127	A	0.3	107	A	0.2	107	A	0.3	107	A	0.4	119	A	0.4	119	A	0.3	119	A	0.3	119	A	0.2	119	A
19	A	0.2	170	A	0.2	170	A	0.2	170	A	0.2	170	A	0.2	170	A	0.3	170	A	0.4	170	A	0.4	170	A	0.4	170	A	0.3	170	A	0.2	170	A
20	C	0.3	207	C	0.3	207	C	0.3	207	C	0.5	207	C	0.4	207	C	0.5	207	C	0.6	207	C	0.7	207	C	0.7	209	C	0.6	209	C	0.5	209	C
21	A	6.1	875	A	0.7	223	A	0.7	223	A	0.8	212	A	0.8	212	A	0.9	212	A	1.7	239	A	1.6	239	A	1.6	243	A	1.2	243	A	1.	243	A
22	C	1.4	860	C	1.8	860	C	1.8	860	C	1.2	860	C	1.1	860	C	1.6	860	C	1.9	860	C	2.	860	C	1.8	860	F	0	0	C	6.3	443	C
23	C	2.8	1189	C	3.3	1189	C	3.5	1189	C	3.8	1189	C	3.5	1189	C	6.7	1189	C	9.7	1389	C	9.9	1389	C	8.7	1189	F	0	0	F	0	0	F
24	C	1.1	1323	C	1.2	1323	C	1.3	1323	C	2.1	1303	C	1.9	1303	C	3.7	1303	C	4.5	1315	C	4.1	1315	C	3.7	1315	C	13.3	3207	C	4.2	944	F
25	C	0.7	1216	C	0.8	1216	C	0.8	1216	C	1.4	1216	C	1.3	1216	C	6.1	1351	C	5.6	1216	C	6.	1351	C	5.5	1216	F	0	0	C	8.2	2436	F
26	C	1.	486	C	1.1	486	C	1.1	486	C	1.5	486	C	1.4	486	C	1.7	486	C	3.	486	C	3.2	486	C	2.9	486	C	2.9	486	C	1.8	486	C
27	C	0.7	486	C	0.7	486	C	0.7	486	C	1.1	486	C	1.	486	C	1.2	486	C	1.9	486	C	2.1	486	C	1.8	486	C	2.	486	C	1.3	486	C
28	C	6.2	1823	C	6.7	1823	C	7.2	1823	C	7.7	2022	C	7.4	2022	C	7.8	2022	C	8.3	2022	C	8.5	2022	C	8.2	2024	F	0	0	C	7.6	1782	F
29	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F	0	0	F
30	F	0	0	C	24.	501	C	24.1	501	C	4.3	501	C	4.	501	C	9.3	501	C	5.1	501	C	5.5	501	C	6.1	486	C	5.8	486	C	4.3	486	C

Table 190 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
32	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
33	F 0 0	A 22.2 348	A 22.3 348	A 2.2 348	A 2. 348	A 2.3 348	C 3.1 313	C 4.9 639	C 4.6 682	C 4.8 313	C 1.9 313	C 1.9 313
34	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
35	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
36	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0



2.189 7\_Inverse\_hyperbolic\_functions\7.3aInversehyperbolicsecant\7.3.2Inversehyperbolicsecantfunct

Table 191: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	C 0.3 225	C 0.3 225	C 0.3 225	C 0.5 225	C 0.5 225	C 0.5 225	C 0.8 225	C 0.9 225	C 0.8 236	C 0.7 236	C 0.6 236	C 0.5 245
2	C 0.1 200	C 0.2 200	C 0.2 200	C 0.2 200	C 0.2 200	C 0.3 200	C 0.5 200	C 0.5 200	C 0.5 206	C 0.3 206	C 0.3 206	C 0.3 215
3	A 0.3 368	A 0.3 368	A 0.3 368	A 0.5 368	A 0.4 368	A 0.5 368	A 0.7 368	A 0.7 368	A 0.6 368	A 0.7 368	A 0.5 368	A 0.5 412
4	A 0.1 153	A 0.1 153	A 0.1 153	A 0.1 153	A 0.1 153	A 0.1 153	A 0.2 153	A 0.2 153	A 0.2 150	A 0.1 150	A 0.1 150	A 0.1 150
5	B 0.2 384	B 0.2 384	B 0.2 384	A 0.4 384	B 0.3 384	B 0.3 384	C 16.3 1025	C 16.2 1025	F 0 0	C 5.8 1025	F 0 0	F 0 0
6	A 0. 84	A 0. 84	A 0. 84	A 0. 84	A 0. 84	A 0. 84	A 0.1 84	A 0.1 84	A 0. 84	A 0. 84	A 0. 84	A 0. 84
7	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56
8	B 1. 219	B 0.6 219	B 0.6 219	B 1. 219	B 0.9 219	B 1.1 219	B 1.8 219	B 1.8 219	B 1.8 239	B 1.4 239	B 1.3 239	B 1. 239
9	A 0.1 129	A 0.1 129	A 0.1 129	A 0.1 129	A 0.1 129	A 0.1 129	A 0.2 129	A 0.2 129	A 0.2 127	A 0.2 127	A 0.2 127	A 0.1 133
10	A 0.1 145	A 0.1 145	A 0.1 145	A 0.1 145	A 0.1 145	A 0.1 145	A 0.2 145	A 0.2 145	A 0.3 143	A 0.2 143	A 0.2 143	A 0.1 150
11	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 57	A 0.1 57	A 0.1 57	A 0.1 57
12	C 0.3 140	C 0.3 140	C 0.3 140	C 0.5 140	C 0.4 140	C 0.5 140	C 0.9 140	C 0.9 140	C 0.8 140	C 0.7 140	C 0.6 140	C 0.4 140
13	A 0.2 166	A 0.2 166	A 0.2 166	A 0.3 156	A 0.3 156	A 0.4 156	A 0.5 156	A 0.5 156	A 0.5 156	A 0.4 156	A 0.4 156	A 0.3 153
14	A 0.1 137	A 0.1 137	A 0.1 137	A 0.2 137	A 0.2 137	A 0.2 137	A 0.3 137	A 0.3 137	A 0.3 135	A 0.2 135	A 0.2 135	A 0.2 141
15	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65
16	A 0. 43	A 0. 43	A 0. 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0. 43
17	C 0.1 110	C 0.2 110	C 0.2 110	C 0.2 110	C 0.2 110	C 0.2 110	C 0.2 110	C 0.2 110	C 0.1 110	C 0.1 110	C 0.1 110	C 0.1 110
18	A 0.1 59	A 0.1 59	A 0.1 59	A 0.2 59	A 0.2 59	A 0.2 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 59	A 0.1 58
19	B 0.2 28	B 0.3 28	B 0.3 28	B 0.3 28	B 0.2 28	B 0.3 28	B 0. 28	B 0. 28	B 0. 28	B 0. 28	B 0. 28	B 0. 28
20	A 0.2 106	A 0.1 106	A 0.2 106	A 0.3 84	A 0.3 84	A 0.3 84	A 0.5 96	A 0.5 96	A 0.4 96	A 0.4 96	A 0.3 96	A 0.3 96

## 2.190 7\_Inverse\_hyperbolic\_functions\7.3bInversehyperboliccosecant\7.3.1u(a+barccsch(cx))^n

Table 192: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.2 72	A 0.2 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72
2	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50
3	A 0. 51	A 0. 51	A 0. 51	A 0. 47	A 0. 47	A 0. 47	A 0.1 47	A 0.1 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47
4	A 0.1 69	A 0. 69	A 0. 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69
5	A 1. 224	A 0.9 225	A 0.9 225	A 1.4 211	A 1.4 211	A 1.5 211	A 2.4 211	A 2. 211	A 1.7 185	A 1.5 185	A 1.3 185	A 1. 185
6	A 0.1 114	A 0.1 114	A 0.1 114	A 0.1 115	A 0.1 115	A 0.1 115	C 0.1 121	C 0.1 121	C 0.1 121	C 0.1 121	C 0.1 121	C 0.1 121
7	A 0.1 100	A 0.1 100	A 0.1 100	A 0.2 100	A 0.2 100	A 0.2 100	A 0.2 100	A 0.2 100	A 0.2 100	A 0.2 100	A 0.2 100	A 0.2 100
8	A 0.1 181	A 0.1 181	A 0.1 181	A 0.2 198	A 0.2 198	A 0.2 198	C 0.2 213	C 0.2 213	C 0.2 213	C 0.2 213	C 0.2 213	C 0.2 213
9	A 0.2 182	A 0.2 182	A 0.2 182	A 0.4 182	A 0.3 182	A 0.4 182	A 0.6 182	A 0.6 182	A 0.6 182	A 0.4 182	A 0.4 182	A 0.3 182
10	B 0.1 44	B 0.1 44	B 0.1 44	B 0.1 44	B 0.1 44	B 0.1 44	B 0.1 44	B 0.1 44	B 0.1 44	B 0.1 44	B 0.1 44	B 0.1 44
11	A 0.5 81	A 0.2 81	A 0.2 81	A 0.2 81	A 0.2 81	A 0.2 81	A 0.4 81	A 0.4 81	A 0.2 96	A 0.2 96	A 0.2 96	A 0.2 96
12	C 0.4 506	C 0.4 506	C 0.4 506	C 0.7 506	C 0.6 506	C 0.9 506	C 1.3 506	C 1.2 506	C 1. 524	C 0.7 524	C 0.7 524	C 0.7 524
13	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.2 93	A 0.2 93	A 0.2 93	A 0.2 93	A 0.2 93	A 0.2 93
14	A 0.2 114	A 0.2 114	A 0.2 114	A 0.3 114	A 0.2 114	A 0.2 114	A 0.4 114	A 0.4 114	A 0.3 120	A 0.2 120	A 0.2 120	A 0.2 120
15	A 0.1 134	A 0.1 134	A 0.1 134	A 0.2 134	A 0.2 134	A 0.2 134	A 0.3 134	A 0.3 134	A 0.3 134	A 0.2 134	A 0.2 134	A 0.2 134
16	A 0.2 152	A 0.2 152	A 0.2 152	A 0.3 152	A 0.3 152	A 0.3 152	A 0.3 152	A 0.4 152	A 0.3 152	A 0.3 152	A 0.3 152	A 0.3 152
17	C 1.4 1239	C 1.7 1239	C 1.7 1239	C 1.7 1221	C 1.5 1221	C 1.9 1221	C 2.8 1239	C 2.6 1239	C 2.6 1323	F 0 0	C 6.4 1284	F 0 0
18	C 4. 1428	C 4.2 1428	C 4.4 1428	C 4.2 1382	C 3.8 1382	C 5.6 1382	C 8.6 1382	C 7.6 1382	C 7.8 1466	F 0 0	F 0 0	F 0 0
19	C 6. 1593	C 6. 1593	C 6. 1593	C 6.2 1583	C 6.2 1583	C 6.2 1583	C 6. 1593	C 6. 1593	C 6. 1677	F 0 0	C 5.4 1518	F 0 0
20	C 1.3 1442	C 1.3 1442	C 1.4 1442	C 2.3 1442	C 2.1 1442	C 3.9 1442	C 6. 1520	C 5.2 1442	C 4.6 1526	F 0 0	C 3.6 1452	F 0 0
21	C 7.1 2053	C 7.1 2053	C 7.2 2053	C 7.7 2053	C 7.5 2053	C 8. 2053	C 8.7 2053	C 8.9 2053	C 8.6 2137	F 0 0	C 19. 7334	F 0 0
22	C 1.6 324	C 1.3 324	C 1.3 324	C 0.7 345	C 0.6 345	C 1. 713	C 1.6 713	C 1.1 345	C 0.9 358	C 0.9 358	A 0.9 364	A 0.9 364
23	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
24	C 8.2 237	C 7.8 237	C 8. 237	C 0.6 237	C 0.6 237	C 0.6 237	C 0.7 237	C 0.8 237	C 0.7 237	C 0.7 237	C 0.6 237	C 0.6 237
25	C 1.7 303	C 1.5 303	C 1.5 303	C 0.7 318	C 0.7 318	C 0.8 687	C 1.2 687	C 1.2 318	C 1. 331	C 0.9 331	A 0.7 338	A 0.7 338
26	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
27	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
28	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
29	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
30	C 0.5 139	C 0.5 139	C 0.5 139	A 0.3 201	A 0.3 201	A 0.3 201	C 0.4 273	C 0.4 166	C 0.4 166	C 0.3 166	A 0.3 198	A 0.3 198

Table 192 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cp
31	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0
32	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0

2.191 7\_Inverse\_hyperbolic\_functions\7.3bInversehyperboliccosecant\7.3.2Inversehyperboliccosecantf

Table 193: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.2 149	A 0.2 149	A 0.2 149	A 0.3 149	A 0.3 149	A 0.3 149	A 0.4 149	A 0.5 149	A 0.4 154	A 0.4 154	A 0.3 154	A 0.3 154	A
2	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A
3	A 0. 50	A 0. 50	A 0. 50	A 0.1 49	A 0. 49	A 0. 49	A 0.1 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	C
4	B 1.1 236	B 0.7 236	B 0.7 236	B 0.6 236	B 0.6 236	B 0.7 236	B 1. 236	B 0.9 236	B 0.8 236	B 0.7 236	B 0.6 236	B 0.5 236	E
5	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A
6	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0.1 42	A 0.1 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A
7	A 0. 53	A 0. 53	A 0. 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 53	A 0.1 52	A 0.1 52	A 0.1 52	A 0.1 52	A
8	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0. 46	A
9	A 0. 55	A 0. 55	A 0. 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A 0.1 55	A
10	C 0.2 113	C 0.2 113	C 0.2 113	C 0.2 113	C 0.2 113	C 0.2 113	C 0.4 113	C 0.4 113	C 0.3 113	C 0.3 113	C 0.3 113	C 0.3 113	C
11	A 0. 44	A 0. 44	A 0. 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A
12	A 0.1 38	A 0.1 38	A 0.2 38	A 0.1 38	A 0.1 38	A 0.1 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A
13	A 0.5 90	B 0.1 95	B 0.1 95	A 0.1 74	A 0.1 74	A 0.1 74	A 0.2 74	A 0.2 74	A 0.2 74	A 0.2 74	A 0.2 74	A 0.1 74	A

## 2.192 8\_Special\_functions\8.1Errorfunctions

Table 194: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0.1 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63
2	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42
3	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0.1 42	A 0.1 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42
4	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72	A 0. 72
5	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66
6	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
7	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 106	A 0.2 106	A 0.2 106	A 0.1 109	A 0.1 109	A 0.1 109	A 0.1 109
8	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
9	A 0.5 132	A 0.5 132	A 0.5 132	A 0.7 132	A 0.7 132	A 0.6 132	A 1.2 132	A 1.1 132	A 0.9 152	A 0.8 152	F 0 0	F 0 0
10	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0.1 51	A 0.1 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51
11	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
12	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
13	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	A 0.1 32	F 0 0	F 0 0
14	A 0.1 36	A 0.1 36	A 0.1 36	A 0.2 36	A 0.1 36	A 0.1 36	A 0.2 36	A 0.2 36	A 0.2 36	A 0.2 36	F 0 0	F 0 0
15	A 0.2 80	A 0.1 80	A 0.2 80	A 0.2 80	A 0.2 80	A 0.2 80	A 0.3 80	A 0.4 80	A 0.3 80	A 0.5 80	F 0 0	F 0 0
16	A 0.2 74	A 0.1 74	A 0.1 74	A 0.2 74	A 0.2 74	A 0.2 74	A 0.3 74	A 0.3 74	A 0.3 74	A 0.3 74	F 0 0	F 0 0
17	A 0.1 86	A 0. 86	A 0. 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 100	A 0.1 100	A 0.1 100	A 0. 100
18	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.2 82	A 0.2 82	A 0.2 82	A 0.1 82	A 0.1 82	A 0.1 82
19	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
20	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
21	A 0.1 54	A 0. 54	A 0. 54	A 0.1 54	A 0.1 54	A 0. 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0.1 54	A 0. 54
22	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
23	A 0.3 268	A 0.2 268	A 0.2 268	A 0.4 268	A 0.4 268	A 0.3 268	A 0.7 268	A 0.7 268	A 0.7 270	A 0.4 270	A 0.4 270	A 0.3 270
24	A 0.2 159	A 0.2 159	A 0.2 159	A 0.3 159	A 0.3 159	A 0.2 159	A 0.5 159	A 0.5 159	A 0.4 173	A 0.3 173	A 0.3 173	A 0.2 173
25	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.1 104	A 0.2 104	A 0.2 104	A 0.2 105	A 0.2 105	A 0.2 105	A 0.1 105
26	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0. 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0.1 42	A 0. 42	A 0. 42
27	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
28	A 0.3 138	A 0.3 138	A 0.3 138	A 0.4 138	A 0.4 138	A 0.4 138	A 0.7 138	A 0.7 138	A 0.5 162	A 0.5 162	A 0.3 174	A 0.3 162
29	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
30	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

Table 194 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0.4 147	A 0.3 147	A 0.3 147	A 0.4 147	A 0.4 147	A 0.3 147	A 0.6 147	A 0.6 147	A 0.6 149	A 0.7 149	F 0 0	F 0 0
32	A 0.2 99	A 0.2 99	A 0.2 99	A 0.3 99	A 0.2 99	A 0.1 99	A 0.4 99	A 0.4 99	A 0.3 99	A 0.3 99	F 0 0	F 0 0
33	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
34	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
35	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.1 81	A 0.2 81	A 0.2 81	A 0.2 81	A 0.1 81	A 0.1 81	A 0.1 81
36	A 0.2 94	A 0.3 94	A 0.3 94	A 0.6 94	A 0.6 94	A 0.5 94	A 0.3 94	A 0.3 94	A 0.2 94	A 0.2 94	F 0 0	F 0 0
37	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
38	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
39	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 56	A 0. 56	A 0. 56	A 0. 56
40	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 49	A 0. 57	A 0. 57	A 0. 57	A 0. 57
41	A 0. 99	A 0. 99	A 0. 99	A 0. 99	A 0. 99	A 0. 99	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
42	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	F 0 0	F 0 0	F 0.3 106	F 0 0	F 0 0	F 0 0
43	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
44	A 0. 114	A 0. 114	A 0. 114	A 0. 114	A 0. 114	A 0. 114	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
45	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54	A 0. 54
46	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
47	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
48	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
49	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
50	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47
51	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30
52	C 0. 26	C 0. 26	C 0. 26	C 0. 26	"C"53 0. 26	C 0. 26	C 0. 26	C 0. 26	C 0. 26	C 0. 26	C 0. 26	C 0. 26
53	C 0. 29	C 0. 29	C 0. 29	C 0. 29	C 0. 29	C 0. 29	C 0. 29	C 0. 29	C 0. 29	C 0. 29	C 0. 29	C 0. 29
54	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
55	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
56	A 0.6 74	A 0.7 74	A 0.7 74	A 1.4 74	A 1.2 74	A 1.1 74	A 2.1 74	A 2. 74	A 1.9 74	A 1.6 74	F 0 0	F 0 0
57	A 0.8 74	A 0.9 74	A 0.9 74	A 11.7 74	A 10.6 74	A 9.7 74	A 38.3 74	A 34.5 74	A 32.5 74	A 13.3 74	F 0 0	F 0 0
58	A 0.7 72	A 0.8 72	A 0.8 72	A 1.9 72	A 1.7 72	A 1.5 72	A 3.9 72	A 3.8 72	A 3.6 72	A 2.9 72	F 0 0	F 0 0

## 2.193 8\_Special\_functions\8.2Fresnelintegralfunctions

Table 195: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	gra
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 83	A 0. 83	A 0. 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83	A 0.1 83
2	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59
3	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
4	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69
5	A 0. 85	A 0. 85	A 0. 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85	A 0.1 85
6	A 0.5 424	A 0.5 424	A 0.5 424	A 0.9 424	A 0.8 424	A 1.2 424	A 1.5 424	A 1.5 424	A 1.5 424	A 1. 454	A 1.1 454	A 1. 454	A 1. 454
7	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.3 61	A 0.4 61	A 0.4 61	A 0.2 61	A 0.2 61	A 0.2 61	A 0.2 61
8	B 0. 89	B 0. 89	B 0. 89	B 0. 89	B 0. 89	B 0. 89	B 0. 89	B 0. 89	B 0. 89	B 0. 89	B 0. 89	B 0. 89	B 0. 89
9	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
10	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 1.7 107	F 0 0	F 0 0	F 0 0	F 0 0
11	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
12	A 0. 242	A 0. 242	A 0. 242	A 0. 242	A 0. 242	A 0. 242	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
13	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11	A 0. 11
14	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
15	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0.9 107	F 0 0	F 0 0	F 0 0	F 0 0
16	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
17	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
18	A 0. 184	A 0. 184	A 0. 184	A 0. 184	A 0. 184	A 0. 184	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
19	A 0.1 126	A 0.1 126	A 0.1 126	A 0.2 126	A 0.2 126	A 0.2 126	A 0.3 126	A 0.3 126	A 0.3 126	A 0.2 126	A 0.2 126	A 0.1 126	A 0.1 126
20	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
21	A 0. 163	A 0. 163	A 0. 163	A 0. 163	A 0. 163	A 0. 163	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
22	A 0. 80	A 0. 80	A 0. 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.2 76	A 0.2 76	A 0.2 76	A 0.1 76	A 0.1 76
23	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71	A 0.1 71	A 0.1 71	A 0.1 71	A 0. 71	A 0. 71	A 0. 71	A 0. 71
24	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59
25	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
26	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27
27	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52
28	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
29	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
30	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

Table 195 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
32	A 0. 231	A 0. 231	A 0. 231	A 0. 231	A 0. 231	A 0. 231	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
33	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
34	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0.6 107	F 0 0	F 0 0	F 0 0	F 0 0
35	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
36	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
37	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
38	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
39	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
40	A 0. 185	A 0. 185	A 0. 185	A 0. 185	A 0. 185	A 0. 185	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
41	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0



## 2.194 8\_Special\_functions\8.3Exponentialintegralfunctions

Table 196: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	gra
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 34	A 0. 34	A 0. 34	A 0. 34	F 0 0	F 0 0	F
2	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
3	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
4	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	A 0. 13	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
5	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
6	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 34	A 0. 34	A 0. 34	A 0. 34	F 0 0	F 0 0	F
7	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A
8	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0.1 24	A 0.1 24	A 0.1 24	A 0.1 24	A 0.1 24	F 0 0	F
9	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	F 0 0	F
10	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	A 0.1 33	F 0 0	F
11	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
12	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	F 0 0	F
13	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	A 0. 59	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
14	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
15	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
16	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	F 0 0	F
17	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
18	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
19	A 0. 74	A 0. 74	A 0. 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 74	A 0.1 74	F 0 0	F
20	A 0. 51	A 0. 51	A 0. 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	A 0.1 51	F 0 0	F
21	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A
22	A 0.1 79	A 0.1 79	A 0.1 79	A 0.2 79	A 0.2 79	A 0.2 79	A 0.2 79	A 0.2 79	A 0.2 79	A 0.2 79	A 0.1 79	F 0 0	F
23	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	F 0 0	F
24	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
25	A 0.1 160	A 0.1 160	A 0.1 160	A 0.3 160	A 0.3 160	A 0.3 160	A 0.3 160	A 0.3 160	A 0.3 168	A 0.2 168	F 0 0	F 0 0	F
26	A 0.1 105	A 0.1 105	A 0.1 105	A 0.3 105	A 0.2 105	A 0.3 105	A 0.3 105	A 0.3 105	A 0.3 101	A 0.3 101	F 0 0	F 0 0	F
27	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 39	A 0.1 39	F 0 0	F
28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 31	A 0. 31	A 0. 31	A 0. 31	A
29	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A
30	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A

Table 196 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
31	A 0. 86	A 0. 86	A 0. 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0. 86	A
32	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0. 60	A 0.1 60	A 0.1 60	A 0.1 60	A 0. 60	A 0. 60	A 0. 60	A
33	A 0.3 105	A 0.2 105	A 0.3 105	A 0.4 105	A 0.4 105	A 0.4 105	A 0.6 105	A 0.6 105	A 0.6 105	F 0 0	F 0 0	F 0 0	F
34	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A
35	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
36	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
37	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
38	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
39	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
40	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A 0. 10	A
41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A
42	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A 0. 19	A

## 2.195 8\_Special\_functions\8.4Trigintegralfunctions

Table 197: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 82	A 0. 82	A 0. 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0.1 82	A 0. 82	A
2	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0. 50	A 0.1 50	A 0.1 50	A 0.1 50	A 0. 50	A 0. 50	A 0. 50	A
3	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A
4	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
5	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
6	A 0.1 96	A 0.1 96	A 0.1 96	A 0.2 96	A 0.2 96	A 0.2 96	A 0.3 96	A 0.3 96	A 0.3 96	A 0.2 96	A 0.2 96	A 0.2 96	A
7	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
8	A 0.1 93	A 0.1 93	A 0.1 93	A 0.2 93	A 0.2 93	A 0.2 93	A 0.3 93	A 0.3 93	A 0.3 93	A 0.2 93	A 0.2 93	A 0.2 93	A
9	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	C 0.3 168	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A
10	C 1. 164	C 1. 164	C 1.1 164	C 1.9 164	C 1.7 164	C 1.8 164	C 2.4 164	C 2.4 164	C 2.2 164	C 2. 164	C 2. 164	C 1.4 164	C
11	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
12	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A
13	A 0.2 95	A 0.2 95	A 0.2 95	A 0.2 95	A 0.2 95	A 0.2 95	A 0.3 95	A 0.3 95	A 0.4 95	A 0.2 95	A 0.2 95	A 0.2 95	A
14	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
15	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	A 0. 44	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
16	A 0. 44	A 0. 44	A 0. 44	A 0.1 44	A 0. 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0.1 44	A 0. 44	A 0. 44	A 0. 44	A
17	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	C 0.3 162	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A
18	A 0. 97	A 0. 97	A 0. 97	A 0. 97	A 0. 97	A 0. 97	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
19	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A
20	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.1 93	A 0.2 93	A 0.2 93	A 0.2 93	A 0.1 93	A 0.1 93	A 0.1 93	A
21	A 0.1 76	A 0.1 76	A 0.1 76	A 0.2 76	A 0.2 76	A 0.2 76	A 0.3 76	A 0.3 76	A 0.2 76	A 0.2 76	A 0.2 76	A 0.1 76	A
22	A 0.2 123	A 0.2 123	A 0.2 123	A 0.3 123	A 0.3 123	A 0.3 123	A 0.5 123	A 0.5 123	A 0.4 123	A 0.3 123	A 0.3 123	A 0.2 123	A
23	C 4.2 320	C 4.5 320	C 4.6 320	C 6.1 332	C 5.5 332	C 6.3 332	C 8.9 332	C 8.7 332	C 8.2 332	C 7. 332	C 4.8 421	C 5.6 320	C
24	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
25	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F

## 2.196 8\_Special\_functions\8.5Hyperbolicintegralfunctions

Table 198: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56
2	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53	A 0. 53
3	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46
4	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
5	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
6	A 0.1 94	A 0.1 94	A 0.1 94	A 0.2 94	A 0.2 94	A 0.2 94	A 0.3 94	A 0.3 94	A 0.3 94	A 0.2 94	A 0.2 94	A 0.2 94
7	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
8	A 0.1 93	A 0.1 93	A 0.1 93	A 0.2 93	A 0.2 93	A 0.2 93	A 0.3 93	A 0.3 93	A 0.3 93	A 0.2 93	A 0.2 93	A 0.2 93
9	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72	A 0.1 72
10	A 0.7 137	A 0.7 137	A 0.7 137	A 4. 209	A 3.9 209	A 4.2 209	A 10.7 209	A 10.5 209	A 9.9 209	A 7.4 209	A 6.8 209	A 6. 209
11	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
12	A 0.1 78	A 0.1 78	A 0. 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78	A 0.1 78
13	A 0.1 94	A 0.1 94	A 0.1 94	A 0.2 94	A 0.2 94	A 0.2 94	A 0.3 94	A 0.3 94	A 0.3 94	A 0.2 94	A 0.2 94	A 0.2 94
14	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
15	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
16	A 0. 46	A 0. 46	A 0. 46	A 0.1 46	A 0. 46	A 0. 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0.1 46	A 0. 46	A 0. 46
17	A 0.1 64	A 0. 64	A 0. 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64	A 0.1 64
18	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
19	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36
20	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94
21	A 0.1 78	A 0.1 78	A 0.1 78	A 0.2 78	A 0.2 78	A 0.2 78	A 0.3 78	A 0.3 78	A 0.2 78	A 0.2 78	A 0.2 78	A 0.2 78
22	A 0.2 123	A 0.2 123	A 0.2 123	A 0.3 123	A 0.3 123	A 0.3 123	A 0.4 123	A 0.4 123	A 0.4 123	A 0.3 123	A 0.3 123	A 0.3 123
23	A 2.2 322	A 2.4 322	A 2.4 322	B 17.5 916	B 16.9 916	B 18.8 916	B 48.4 916	B 49.1 916	B 70.6 916	B 54.3 916	B 39.7 916	B 34. 915
24	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
25	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

## 2.197 8\_Special\_functions\8.6Gammafunctions

Table 199: Breakdown of results for each integral

#	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	6
	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46
2	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28
3	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	B 0. 55	B 0. 55	B 0. 55	B 0. 55	B 0. 55	B 0. 55	B 0. 55
4	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32
5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5	A 0. 5
6	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43	A 0. 43
7	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47
8	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41	B 0. 41
9	B 0. 38	B 0. 38	B 0. 38	B 0. 38	B 0. 38	B 0. 38	B 0. 38	B 0. 38	B 0. 38	B 0. 38	B 0. 38	B 0. 38	B 0. 38
10	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
11	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17	A 0. 17
12	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	B 0. 58	B 0. 58	B 0. 58	B 0. 58	B 0. 58	B 0. 58	B 0. 58
13	A 0.6 121	A 0.5 121	A 0.5 121	A 0.9 121	A 0.8 121	A 0.9 121	A 1.4 121	A 1.5 121	A 1.2 133	A 1. 133	F 0 0	F 0 0	F 0 0
14	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	B 0.2 67	B 0.2 67	B 0.1 77	B 0.1 77	B 0.1 77	B 0. 77	B 0. 77
15	B 0. 50	B 0. 50	B 0. 50	B 0. 50	B 0. 50	B 0. 50	B 0. 50	B 0. 50	B 0.1 46	B 0.1 46	B 0.1 46	B 0.1 46	B 0.1 46
16	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	B 0.1 68	B 0.1 68	B 0. 78	B 0. 78	B 0. 78	B 0. 78	B 0. 78
17	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29	A 0. 29
18	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24
19	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0.5 47	A 0.6 47	A 0.5 50	A 0.5 50	A 0.3 27	A 0.2 27	A 0. 27
20	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0.3 46	A 0.4 46	A 0.3 50	A 0.3 50	A 0. 27	A 0. 27	A 0. 27
21	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24
22	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 43	A 0.1 57	A 0.1 57	A 0.1 57
23	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0.1 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40	A 0. 40
24	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
25	A 0.5 124	A 0.5 124	A 0.5 124	A 0.7 124	A 0.7 124	A 0.8 124	A 1.2 124	A 1.3 124	A 1.4 128	A 1.2 128	A 0.2 155	A 0.2 155	A 0. 27
26	A 0.2 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0.1 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56
27	A 0.1 41	A 0.1 41	A 0.1 41	A 0.1 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41	A 0. 41
28	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15
29	A 0.3 121	A 0.2 121	A 0.2 121	A 0.4 121	A 0.4 121	A 0.4 121	A 0.7 121	A 0.7 121	A 0.6 121	A 0.5 121	A 0.2 123	A 0.1 123	A 0. 27
30	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0

Table 199 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
31	A 0.3 198	A 0.3 198	A 0.3 198	A 0.4 198	A 0.4 178	A 0.4 178	A 0.6 178	A 0.7 178	A 0.6 179	A 0.5 179	B 0.5 279	B 0.5 279	
32	B 6.2 877	B 6.8 877	B 6.7 877	B 8.2 877	B 8.3 877	B 8.4 877	B 10.3 877	B 10.6 877	B 10. 890	B 9.9 890	F 0 0	F 0 0	
33	A 0.1 65	A 0.1 65	A 0. 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 65	A 0.1 76	A 0.1 76	A 0. 76	A 0. 76	
34	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.2 69	A 0.2 69	A 0.1 80	A 0.1 80	A 0. 80	A 0. 80	
35	A 0.1 96	A 0.1 96	A 0.1 96	A 0.2 96	A 0.2 96	A 0.2 96	A 0.3 96	A 0.3 96	A 0.1 106	A 0.1 106	A 0.1 106	A 0.1 106	
36	A 0.2 80	A 0.2 80	A 0.2 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	A 0.1 80	
37	A 0.2 117	A 0.2 117	A 0.2 117	A 0.3 117	A 0.3 117	A 0.3 117	A 0.5 117	A 0.5 117	A 0.5 117	A 0.4 117	A 0.3 117	A 0.2 117	
38	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
39	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
40	A 0.2 217	A 0.2 217	A 0.2 217	A 0.4 217	A 0.4 217	A 0.4 217	A 0.5 217	A 0.5 217	A 0.5 217	A 0.4 217	A 0.3 217	A 0.3 217	
41	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
42	A 0. 69	A 0. 69	A 0. 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0.1 69	A 0. 69	
43	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
44	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
45	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	
46	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	

## 2.198 8\_Special\_functions\8.7Zetafunction

Table 200: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
1	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	A 0. 38	F
2	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A
3	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
4	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
5	F 0 0	F 0 0	F 0 0	A 0. 12	A 0. 12	A 0. 12	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F

## 2.199 8\_Special\_functions\8.8Polylogarithmfunction

Table 201: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 56	A 0. 63	A
2	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	C 0. 47	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A
3	A 0. 73	A 0. 73	A 0. 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 103	A 0.1 103	A 0.1 103	A 0.1 103	A 0.1 103	A 0.1 103	A
4	A 0.1 131	A 0.1 131	A 0.1 131	A 0.2 131	A 0.2 131	A 0.2 131	A 0.5 155	A 0.6 155	A 0.5 155	A 0.3 155	A 0.3 155	A 0.3 168	A
5	A 0.2 222	A 0.2 222	A 0.2 222	A 0.3 210	A 0.3 210	A 0.3 210	A 0.6 239	A 0.6 239	A 0.9 239	A 0.7 239	A 0.6 239	A 0.5 247	A
6	A 1.1 573	A 1.1 573	A 1.2 573	A 2. 573	A 1.9 573	A 3.3 573	A 5.4 573	A 5.6 573	A 5.3 580	A 2.6 580	F 0 0	F 0 0	F
7	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
8	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
9	A 0.3 274	A 0.3 274	A 0.3 274	A 0.4 274	A 0.4 274	A 0.5 274	A 1.3 387	A 1.3 387	A 1.3 388	A 0.6 388	A 0.5 388	A 0.5 475	A
10	A 1.4 36	A 0.5 36	A 0.5 36	A 0.2 35	A 0.2 35	A 0.2 35	A 0.1 35	A 0.1 35	A 0.1 35	A 0.1 52	A 0.1 52	A 0.1 52	A
11	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	A 0. 20	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F



## 2.200 8\_Special\_functions\8.9Productlogarithmfunction

Table 202: Breakdown of results for each integral

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size
1	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45
2	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45
3	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26	A 0. 26
4	A 0.1 67	A 0. 67	A 0. 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0. 67	A 0. 67	A 0. 68	A 0. 68	A 0. 68	A 0. 68	A 0. 68
5	A 0.2 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0.1 86	A 0. 86	A 0. 86	A 0. 86	A 0. 86
6	A 0.1 141	A 0.1 141	A 0.1 141	A 0.1 141	A 0.1 141	A 0.1 141	A 0.2 141	A 0.2 141	A 0.2 141	A 0.2 141	F 0 0	F 0 0	F 0 0
7	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0.1 73	A 0. 73	F 0 0	F 0 0	F 0 0
8	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
9	A 0.1 170	A 0.1 170	A 0.1 170	A 0.2 170	A 0.2 170	A 0.2 170	A 0.3 170	A 0.3 170	A 0.2 170	A 0.2 170	F 0 0	F 0 0	F 0 0
10	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
11	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
12	A 1.1 221	A 0.9 221	A 1. 221	A 1.5 221	A 1.4 221	A 1.8 221	A 2.8 221	A 2.8 221	A 2.6 221	F 0 0	F 0 0	F 0 0	F 0 0
13	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
14	A 0.1 133	A 0.2 133	A 0.2 133	A 0.2 133	A 0.2 133	A 0.2 133	A 0.3 133	A 0.3 133	A 0.2 133	A 0.2 133	F 0 0	F 0 0	F 0 0
15	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0
16	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 58	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45	A 0. 45
17	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14
18	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36	A 0. 36
19	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 63	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55
20	A 0. 84	A 0. 84	A 0. 84	A 0. 84	A 0. 84	A 0. 84	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61
21	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
22	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33
23	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39	A 0. 39
24	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21
25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25	A 0. 25
26	A 0. 112	A 0. 112	A 0. 112	A 0. 112	A 0. 112	A 0. 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0. 112	A 0. 112
27	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18
28	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0.1 81	A 0. 81	A 0. 81	A 0. 81	A 0. 81	A 0. 81
29	A 0.1 26	A 0.1 26	A 0.1 26	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23	A 0. 23
30	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67	A 0.1 67

Table 202 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
31	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
32	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 51	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A 0. 37	A
33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A 0. 33	A
34	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
35	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
36	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A 0. 55	A
37	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	A 0. 32	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
38	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
39	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
40	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
41	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
42	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
43	A 0. 128	A 0. 128	A 0. 128	A 0. 128	A 0. 128	A 0. 128	A 0. 128	A 0. 128	A 0. 128	A 0. 128	A 0. 128	A 0. 128	A
44	A 0. 118	A 0. 118	A 0. 118	A 0. 118	A 0. 118	A 0. 118	A 0.1 118	A 0.1 118	A 0.1 118	A 0.1 118	A 0.1 118	A 0.1 118	A
45	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
46	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A 0. 66	A
47	A 0.1 24	A 0.1 24	A 0.1 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A 0. 24	A
48	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
49	A 0. 112	A 0. 112	A 0. 112	A 0. 112	A 0. 112	A 0. 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0.1 112	A 0. 112	A
50	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	A 0. 57	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
51	A 0. 101	A 0. 101	A 0. 101	A 0. 101	A 0. 101	A 0. 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0.1 101	A 0. 101	A
52	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
53	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	A 0. 61	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
54	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A 0. 21	A
55	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
56	A 0. 96	A 0. 96	A 0. 96	A 0. 96	A 0. 96	A 0. 96	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
57	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A 0. 22	A
58	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	A 0. 47	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
59	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
60	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	A 0. 73	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
61	A 0.1 31	A 0.1 31	A 0.1 31	A 0.1 28	A 0.1 28	A 0.1 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A
62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	A 0. 62	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
63	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A 0. 27	A
64	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 27	A 0. 27	A 0. 27	A 0. 27	F 0 0	F 0 0	F

Table 202 – continued from previous page

	14.1	14	13.3	12.3.1	12.1	12	11.3	11.2	10.3	9	8	7	
#	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade cpu size	grade
65	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	A 0. 28	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
66	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 32	A 0. 32	A 0. 32	A 0. 32	F 0 0	F 0 0	F
67	A 0. 108	A 0. 108	A 0. 108	A 0. 108	A 0. 108	A 0. 108	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
68	A 0. 108	A 0. 108	A 0. 108	A 0. 108	A 0. 108	A 0. 108	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
69	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	A 0. 90	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
70	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A 0. 69	A
71	A 0. 94	A 0. 94	A 0. 94	A 0. 94	A 0. 94	A 0. 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A 0.1 94	A
72	A 0. 113	A 0. 113	A 0. 113	A 0.1 113	A 0. 113	A 0. 113	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
73	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	A 0. 30	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
74	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A 0. 15	A
75	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	A 0. 67	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
76	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	A 0. 52	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
77	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	A 0. 46	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
78	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	A 0. 12	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
79	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	A 0. 14	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F
80	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	A 0. 18	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F 0 0	F