

```
1: 2A: 1.0 / 1 mark
2: 2C: 1.0 / 1 mark
3: == Setup ==
4:   Username: assignment
5:   Filename: tools/c20007a1/submitted/jlafontaine/20210416061023_jlafontaine_c20007a1.zip
6:   Submit Server Accept Timestamp: 2021/04/16 06:22:11
7:   Filesize: 3690913893
8:   Submitted File Signature: 41ca8b623d8c444a3afb883757b1ae603c1d8eb8
9:   Server File Signature: 41ca8b623d8c444a3afb883757b1ae603c1d8eb8
10:  Submission Certificate Plaintext: assignment-tools/c20007a1/submitted/jlafontaine/20210416061023_jlafontaine_c20007a1.zip-41ca8b623d8c444a3afb883757b1ae603c1d8eb8-2021/04/16 06:22:11
11:  Submission Verification Certificate: RZfj1AnwCgKpScLqh/fNKe+tSACY7dRf oVlKNTTvhBkr6T4mi26NruBgybsZdvI60mGiXp37+k99fzu/FpahgUhBflxcpZvakOxtgnfzFBf7mk QDoAzrlkjWpJPdnAf+i2oKykWlMclm/THt13m9UvoxKyh36C48yuq918pFkhtSgP6hd0dwEzT0JLeK F1+PY547cQw/AOkwNaasRcOX3oN4Gvw3fDpgK7K1RRFoBrpukIBtzYFE1FOZciek8QZg4m2i8gfm5V yp9VucevxlpmIiHyd3+rhly6108VNwnztx4ES35Qhasu6nYnwtgziAGGLdL8Z74jRb7Z7tVJ39EQ==
12:   Please keep the certificate plaintext, the verification certificate
13:   and the zip file submitted on your behalf stored somewhere safe
14:   as proof of your submission at the time given in the plaintext
15:
16: == Verify ==
17: [2021/04/16 06:22:26] Beginning verification - Using script
18: Archive contents match CRCs provided, zip file OK.
19: Requirement already satisfied: patool in /opt/conda/lib/python3.7/site-packages (1.12)
20: Requirement already satisfied: pyunpack in /opt/conda/lib/python3.7/site-packages (0.2.2)
21: Requirement already satisfied: easyprocess in /opt/conda/lib/python3.7/site-packages (from pyunpack) (0.3)
22: Requirement already satisfied: entrypoint2 in /opt/conda/lib/python3.7/site-packages (from pyunpack) (0.2.3)
23: Requirement already satisfied: argparse in /opt/conda/lib/python3.7/site-packages (from entrypoint2->pyunpack) (1.4.0)
24: gcc -g -Wall -c -o catProg.o catProg.c
25: gcc -g -Wall -o catProg catProg.o
26:
27:
28: Filesize 9301 < 10485760
29: Expected under 10MiB - Passed Verification
30: Submitted File Hashes
31:     20210416T055546Z_Assignment_1.zip
32:     SHA1: 69c5a025d54f5e981a1b2ab356e47c4aec742109
33:     submission_settings.json
34:     SHA1: 660b39b7f000e29363e90bd2d2303bced00e352b
35:
36: Building problem2a
37: =====
38: gcc -c problem2a.c -Wall -g
39: gcc -c utils.c -Wall -g
40: gcc -c graph.c -Wall -g
41: gcc -c pq.c -Wall -g
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42: gcc -c list.c -Wall -g
43: gcc -Wall -o problem2a -g -lm problem2a.o utils.o graph.o pq.o list.o
44: =====
45: =====
46: Building problem2c
47: gcc -c problem2c.c -Wall -g
48: gcc -c utils.c -Wall -g
49: gcc -c graph.c -Wall -g
50: gcc -c pq.c -Wall -g
51: gcc -c list.c -Wall -g
52: gcc -Wall -o problem2c -g -lm problem2c.o utils.o graph.o pq.o list.o
53: =====
54: Building problem3
55: gcc -c problem3.c -Wall -g
56: gcc -Wall -o problem3 -g -lm problem3.o
57: =====
58:
59:
60: == Test ==
61: [2021/04/16 06:22:52] Beginning testing - Using script
62:
63: == Results ==
64:
65: [2021/04/16 06:22:52] Running program for 2a - test case 1
66: [2021/04/16 06:22:56] Script exit code: 0
67: [2021/04/16 06:22:56] Running program for 2a - test case 2
68: [2021/04/16 06:22:56] Script exit code: 0
69: [2021/04/16 06:22:56] Running program for 2a - test case 3
70: [2021/04/16 06:22:56] Script exit code: 0
71: [2021/04/16 06:22:56] Running program for 2c - test case 1
72: [2021/04/16 06:23:01] Script exit code: 0
73: [2021/04/16 06:23:01] Running program for 2c - test case 2
74: [2021/04/16 06:23:01] Script exit code: 0
75: [2021/04/16 06:23:01] Running program for 2c - test case 3
76: [2021/04/16 06:23:01] Script exit code: 0
77: [2021/04/16 06:23:01] Running program for 3 - test case 0
78: [2021/04/16 06:23:06] Script exit code: 0
79: [2021/04/16 06:23:11] Evaluating results.
80: gcc -Wall -c -o main.o main.c -g
81: gcc -Wall -c -o read.o read.c -g
82: gcc -Wall -c -o ll.o ll.c -g
83: gcc -Wall -c -o dict.o dict.c -g
84: gcc -Wall -c -o utils.o utils.c -g
85: gcc -Wall -c -o data.o data.c -g
86: gcc -Wall -o dict main.o read.o ll.o dict.o utils.o data.o -g
87: [2021/04/16 06:23:11] Evaluating test outputs.
88: [2021/04/16 06:23:11] 2a
89: [2021/04/16 06:23:11] ===
90: [2021/04/16 06:23:16] Test p2a-1-in:
91: [2021/04/16 06:23:16] Test p2a-1-in passed
92: [2021/04/16 06:23:21] Test p2a-2-in:
93: [2021/04/16 06:23:21] Test p2a-2-in passed
94: [2021/04/16 06:23:25] Test p2a-3-in:
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95: [2021/04/16 06:23:25] Test p2a-3-in passed
96: [2021/04/16 06:23:25] 2c
97: [2021/04/16 06:23:25] ===
98: [2021/04/16 06:23:25] Test p2c-1-in:
99: [2021/04/16 06:23:25] Test p2c-1-in passed
100: [2021/04/16 06:23:25] Test p2c-2-in:
101: [2021/04/16 06:23:25] Test p2c-2-in passed
102: [2021/04/16 06:23:25] Test p2c-3-in:
103: [2021/04/16 06:23:25] Test p2c-3-in passed
104: [2021/04/16 06:23:25] Problem 3 output:
105: Old chip (Euclid):
106: Minimum operations: 22
107: Average operations: 48.843400
108: Maximum operations: 103
109:
110: New chip (Euclid)
111: Minimum operations: 22
112: Average operations: 48.843400
113: Maximum operations: 103
114:
115: Old chip (Sieve)
116: Minimum operations: 6
117: Average operations: 818.965800
118: Maximum operations: 2764
119:
120: New chip (Sieve)
121: Minimum operations: 6
122: Average operations: 244.945500
123: Maximum operations: 717
124:
125: [2021/04/16 06:23:25] -- Problem 3 Output End --
126: [2021/04/16 06:23:25] Handling results.
127: == Notes on General Errors (if any) ==
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