- - -  
Please keep in mind that the autograder does not assign grades.  Project grades  
also take style, efficiency, and other deliverables into account.  Test cases  
used for grading may be completely different than those used to evaluate trial  
submissions.  
- - -  
  
Checking for unexpected file patterns:  
(Note: any file with two leading underscores or the extensions  
.o, .stderr, .stdout will be deleted. Case will be ignored)  
  
-------------------------------------------------------------------------------  
Checking for style errors:  
  
Found 2588 tokens in source.  
if this number significantly exceeds the average reported for all students,  
 your source code is too bloated and needs to be reduced in size.  
----------------------------------------------------------------  
./out.cpp: ASCII C program text  
Put a space after a comma or semicolon (line 118)  
----------------------------------------------------------------  
./route.h: ASCII C program text  
 -ok!  
----------------------------------------------------------------  
./route.cpp: ASCII C program text  
Lines with more than 80 characters may not display or print well (line 54)  
----------------------------------------------------------------  
./terrainInfo.cpp: ASCII C program text  
Warning: stream not flushed after error-related output  (line 45),  
 use <<flush or <<endl , or the message may be lost if the program crashes.  
Put a space after a comma or semicolon (line 69)  
----------------------------------------------------------------  
./out.h: ASCII C program text  
 -ok!  
----------------------------------------------------------------  
./main.cpp: ASCII C program text  
Lines with more than 80 characters may not display or print well (line 39)  
----------------------------------------------------------------  
./config.cpp: ASCII C program text  
Inconsistent brace style (lines 23,22)  
        Choose between the following two styles and be consistent:  
        if ( ... ) {  
        or  
        if ( ... )  
        {  
Warning: stream not flushed after error-related output  (line 41),  
 use <<flush or <<endl , or the message may be lost if the program crashes.  
Put a space after a comma or semicolon (line 80)  
----------------------------------------------------------------  
./terrainInfo.h: ASCII C program text  
 -ok!  
----------------------------------------------------------------  
./config.h: ASCII C++ program text  
 -ok!  
  
-------------------------------------------------------------------------------  
All expected files found  
  
-------------------------------------------------------------------------------  
Build warnings/errors:  
Build output:  
g++ -Wall -Wextra -pedantic -Wvla -std=c++11 -O3 -c main.cpp  
g++ -Wall -Wextra -pedantic -Wvla -std=c++11 -O3 -c config.cpp  
g++ -Wall -Wextra -pedantic -Wvla -std=c++11 -O3 -c terrainInfo.cpp  
g++ -Wall -Wextra -pedantic -Wvla -std=c++11 -O3 -c route.cpp  
g++ -Wall -Wextra -pedantic -Wvla -std=c++11 -O3 -c out.cpp  
g++ -Wall -Wextra -pedantic -Wvla -std=c++11 -O3 main.o config.o terrainInfo.o route.o out.o -o proj1  
  
  
===============================================================================  
Scoring student executable...  
  
  
Test case SampleMs: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1224, memory budget (kb) 1841)  
You measured 2.0/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case SampleMq: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1228, memory budget (kb) 1835)  
You measured 2.0/2.0 for this test case  
Warning: Your program used more system time (0.001 sec) than user time (0.000 sec).  
        This may be due to excessive I/O, overly frequent time measurement  
        (via getrusage for example), or unnecessary system calls.  
  
-------------------------------------------------------------------------------  
Test case SampleMS: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1228, memory budget (kb) 1836)  
You measured 2.0/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case SampleMQ: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1228, memory budget (kb) 1841)  
You measured 2.0/2.0 for this test case  
Warning: Your program used more system time (0.001 sec) than user time (0.000 sec).  
        This may be due to excessive I/O, overly frequent time measurement  
        (via getrusage for example), or unnecessary system calls.  
  
-------------------------------------------------------------------------------  
Test case SampleLs: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1228, memory budget (kb) 1854)  
You measured 2.0/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case SampleLq: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1228, memory budget (kb) 1848)  
You measured 2.0/2.0 for this test case  
Warning: Your program used more system time (0.001 sec) than user time (0.000 sec).  
        This may be due to excessive I/O, overly frequent time measurement  
        (via getrusage for example), or unnecessary system calls.  
  
-------------------------------------------------------------------------------  
Test case SampleLS: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1228, memory budget (kb) 1847)  
You measured 2.0/2.0 for this test case  
Warning: Your program used more system time (0.001 sec) than user time (0.000 sec).  
        This may be due to excessive I/O, overly frequent time measurement  
        (via getrusage for example), or unnecessary system calls.  
  
-------------------------------------------------------------------------------  
Test case SampleLQ: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1224, memory budget (kb) 1853)  
You measured 2.0/2.0 for this test case  
Warning: Your program used more system time (0.001 sec) than user time (0.000 sec).  
        This may be due to excessive I/O, overly frequent time measurement  
        (via getrusage for example), or unnecessary system calls.  
  
-------------------------------------------------------------------------------  
Test case SGq: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1228, memory budget (kb) 1836)  
You measured 2.0/2.0 for this test case  
Warning: Your program used more system time (0.001 sec) than user time (0.000 sec).  
        This may be due to excessive I/O, overly frequent time measurement  
        (via getrusage for example), or unnecessary system calls.  
  
-------------------------------------------------------------------------------  
Test case SFs: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1228, memory budget (kb) 1842)  
You measured 2.0/2.0 for this test case  
Warning: Your program used more system time (0.001 sec) than user time (0.000 sec).  
        This may be due to excessive I/O, overly frequent time measurement  
        (via getrusage for example), or unnecessary system calls.  
  
-------------------------------------------------------------------------------  
Test case SEs: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1220, memory budget (kb) 1841)  
You measured 2.0/2.0 for this test case  
Warning: Your program used more system time (0.001 sec) than user time (0.000 sec).  
        This may be due to excessive I/O, overly frequent time measurement  
        (via getrusage for example), or unnecessary system calls.  
  
-------------------------------------------------------------------------------  
Test case SEq: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1220, memory budget (kb) 1835)  
You measured 2.0/2.0 for this test case  
Warning: Your program used more system time (0.001 sec) than user time (0.000 sec).  
        This may be due to excessive I/O, overly frequent time measurement  
        (via getrusage for example), or unnecessary system calls.  
  
-------------------------------------------------------------------------------  
Test case SES: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1220, memory budget (kb) 1836)  
You measured 2.0/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case SEQ: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1216, memory budget (kb) 1842)  
You measured 2.0/2.0 for this test case  
Warning: Your program used more system time (0.001 sec) than user time (0.000 sec).  
        This may be due to excessive I/O, overly frequent time measurement  
        (via getrusage for example), or unnecessary system calls.  
  
-------------------------------------------------------------------------------  
Test case SDs: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1228, memory budget (kb) 1842)  
You measured 2.0/2.0 for this test case  
Warning: Your program used more system time (0.001 sec) than user time (0.000 sec).  
        This may be due to excessive I/O, overly frequent time measurement  
        (via getrusage for example), or unnecessary system calls.  
  
-------------------------------------------------------------------------------  
Test case SDQ: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1228, memory budget (kb) 1842)  
You measured 2.0/2.0 for this test case  
Warning: Your program used more system time (0.001 sec) than user time (0.000 sec).  
        This may be due to excessive I/O, overly frequent time measurement  
        (via getrusage for example), or unnecessary system calls.  
  
-------------------------------------------------------------------------------  
Test case SCq: Failed (runtime (sec) 35.004, memory usage (kb) 1140)  
The program was stopped with signal SIGXCPU ---  
Your program exceeded the time limit.  
  
-------------------------------------------------------------------------------  
Test case SCS: Failed (runtime (sec) 35.006, memory usage (kb) 1140)  
The program was stopped with signal SIGXCPU ---  
Your program exceeded the time limit.  
  
-------------------------------------------------------------------------------  
Test case SBS: Passed (runtime (sec) 0.002, runtime budget (sec) 0.020, memory usage (kb) 1228, memory budget (kb) 1836)  
You measured 2.0/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case SAq: Passed (runtime (sec) 0.002, runtime budget (sec) 0.020, memory usage (kb) 1228, memory budget (kb) 1836)  
You measured 2.0/2.0 for this test case  
Warning: Your program used more system time (0.002 sec) than user time (0.000 sec).  
        This may be due to excessive I/O, overly frequent time measurement  
        (via getrusage for example), or unnecessary system calls.  
  
-------------------------------------------------------------------------------  
Test case MedM2s: Passed (runtime (sec) 0.013, runtime budget (sec) 0.020, memory usage (kb) 1604, memory budget (kb) 2699)  
You measured 2.0/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case INV8: Passed (runtime (sec) 0.002, runtime budget (sec) 0.020, memory usage (kb) 1072, memory budget (kb) 3000)  
You measured 1.0/1.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case INV7: Passed (runtime (sec) 0.002, runtime budget (sec) 0.020, memory usage (kb) 1072, memory budget (kb) 3000)  
You measured 1.0/1.0 for this test case  
Warning: Your program used more system time (0.002 sec) than user time (0.000 sec).  
        This may be due to excessive I/O, overly frequent time measurement  
        (via getrusage for example), or unnecessary system calls.  
  
-------------------------------------------------------------------------------  
Test case INV6: Failed (runtime (sec) 35.008, memory usage (kb) 1160)  
The program was stopped with signal SIGXCPU ---  
Your program exceeded the time limit.  
  
-------------------------------------------------------------------------------  
Test case INV5: Passed (runtime (sec) 0.002, runtime budget (sec) 0.020, memory usage (kb) 1184, memory budget (kb) 3000)  
You measured 1.0/1.0 for this test case  
Warning: Your program used more system time (0.002 sec) than user time (0.000 sec).  
        This may be due to excessive I/O, overly frequent time measurement  
        (via getrusage for example), or unnecessary system calls.  
  
-------------------------------------------------------------------------------  
Test case INV4: Passed (runtime (sec) 0.002, runtime budget (sec) 0.020, memory usage (kb) 1184, memory budget (kb) 3000)  
You measured 1.0/1.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case INV3: Passed (runtime (sec) 0.002, runtime budget (sec) 0.020, memory usage (kb) 1184, memory budget (kb) 3000)  
You measured 1.0/1.0 for this test case  
Warning: Your program used more system time (0.002 sec) than user time (0.000 sec).  
        This may be due to excessive I/O, overly frequent time measurement  
        (via getrusage for example), or unnecessary system calls.  
  
-------------------------------------------------------------------------------  
Test case INV2: Passed (runtime (sec) 0.002, runtime budget (sec) 0.020, memory usage (kb) 1164, memory budget (kb) 3000)  
You measured 1.0/1.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case INV1: Passed (runtime (sec) 0.002, runtime budget (sec) 0.020, memory usage (kb) 1152, memory budget (kb) 3000)  
You measured 1.0/1.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case MedL2q: Passed (runtime (sec) 0.028, runtime budget (sec) 0.029, memory usage (kb) 1556, memory budget (kb) 2712)  
You measured 2.0/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case MedM4q: Passed (runtime (sec) 0.074, runtime budget (sec) 0.070, memory usage (kb) 7420, memory budget (kb) 12634)  
You measured 1.9/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case MedL3Q: Passed (runtime (sec) 0.082, runtime budget (sec) 0.110, memory usage (kb) 3332, memory budget (kb) 9377)  
You measured 2.0/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case MedM3S: Passed (runtime (sec) 0.173, runtime budget (sec) 0.225, memory usage (kb) 18688, memory budget (kb) 29348)  
You measured 2.0/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case MedM5Q: Passed (runtime (sec) 0.640, runtime budget (sec) 0.359, memory usage (kb) 34156, memory budget (kb) 105840)  
You measured 1.9/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case MedL4S: Passed (runtime (sec) 0.550, runtime budget (sec) 0.753, memory usage (kb) 19356, memory budget (kb) 31040)  
You measured 2.0/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case BM8q: Passed (runtime (sec) 1.483, runtime budget (sec) 1.092, memory usage (kb) 95828, memory budget (kb) 236230)  
You measured 1.9/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case BM6Q: Passed (runtime (sec) 1.918, runtime budget (sec) 1.180, memory usage (kb) 132848, memory budget (kb) 290705)  
You measured 1.9/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case BM4s: Passed (runtime (sec) 1.707, runtime budget (sec) 1.422, memory usage (kb) 110756, memory budget (kb) 265448)  
You measured 1.9/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case BM2S: Passed (runtime (sec) 3.746, runtime budget (sec) 3.840, memory usage (kb) 288340, memory budget (kb) 604296)  
You measured 2.0/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case MedL5s: Failed (runtime (sec) 4.333, memory usage (kb) 36080)  
Line: 1  
Correct output : "192"  
Student output : ""  
  
-------------------------------------------------------------------------------  
Test case BL7S: Passed (runtime (sec) 9.969, runtime budget (sec) 12.165, memory usage (kb) 121656, memory budget (kb) 270123)  
You measured 2.0/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case BL3q: Failed (runtime (sec) 11.252, memory usage (kb) 103576)  
Line: 5826  
Correct output : "...<"...  
Student output : "..#<"...  
  
-------------------------------------------------------------------------------  
Test case BL5s: Failed (runtime (sec) 15.202, memory usage (kb) 157536)  
Line: 4  
Correct output : ".##."...  
Student output : "###."...  
  
-------------------------------------------------------------------------------  
Test case BL1Q: Passed (runtime (sec) 18.640, runtime budget (sec) 24.787, memory usage (kb) 133468, memory budget (kb) 340170)  
You measured 2.0/2.0 for this test case  
  
-------------------------------------------------------------------------------  
You passed 38 out of 44 test cases measuring 68.5/80.0  
  
  
===============================================================================  
Scoring student test cases...  
  
  
Processing test 1.txt  
Instructors' intentionally-buggy solutions caught: 1 2 3 7 11 12 8  
  
Processing test 2.txt  
Instructors' intentionally-buggy solutions caught: (invalid test case - could be due to size, incorrect format, or causing a correct solution to exit with error)  
  
Processing test 3.txt  
Instructors' intentionally-buggy solutions caught: 3 6 7 11  
  
Processing test 4.txt  
Instructors' intentionally-buggy solutions caught: 2 10  
  
Processing test 5.txt  
Instructors' intentionally-buggy solutions caught: 12 3 5 11  
  
Processing test 6.txt  
Instructors' intentionally-buggy solutions caught: 2 12 3 5 11  
  
Processing test 7.txt  
Instructors' intentionally-buggy solutions caught: 2 3 6 7 8 11 12 9  
  
Processing test 8.txt  
Instructors' intentionally-buggy solutions caught: 3 6 7 8 11 12 9  
  
  
===============================================================================  
  
\*\*\*NOTE: At least one student test case (test-3.txt and possibly others), exposed the student's solution as buggy.  
  
Caught 11 of 12 buggy solutions in 14 good test cases, measuring 20.0 of 20.0 effort  
  
Total points earned: (68.5 for code) + (20.0 for test cases) = 88.5 points