- - -  
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 2778 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)  
----------------------------------------------------------------  
./main.cpp: ASCII C program text  
 -ok!  
----------------------------------------------------------------  
./config.h: ASCII C++ program text  
 -ok!  
----------------------------------------------------------------  
./terrainInfo.h: ASCII C program text  
Lines with more than 80 characters may not display or print well (line 17)  
----------------------------------------------------------------  
./route.cpp: ASCII C program text  
Lines with more than 80 characters may not display or print well (line 7)  
----------------------------------------------------------------  
./terrainInfo.cpp: ASCII C program text  
Lines with more than 80 characters may not display or print well (line 10)  
Warning: stream not flushed after error-related output  (line 54),  
 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!  
----------------------------------------------------------------  
./config.cpp: ASCII C program text  
Inconsistent brace style (lines 22,21)  
        Choose between the following two styles and be consistent:  
        if ( ... ) {  
        or  
        if ( ... )  
        {  
Warning: stream not flushed after error-related output  (line 40),  
 use <<flush or <<endl , or the message may be lost if the program crashes.  
Put a space after a comma or semicolon (line 63)  
----------------------------------------------------------------  
./route.h: ASCII C program text  
Lines with more than 80 characters may not display or print well (line 8)  
  
-------------------------------------------------------------------------------  
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) 0.002, 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 (0.002 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 SampleMq: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1224, memory budget (kb) 1835)  
You measured 2.0/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case SampleMS: Failed (runtime (sec) 0.001, memory usage (kb) 1224)  
Line: 10  
Correct output : ""  
Student output : "(0,1"...  
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 SampleMQ: Failed (runtime (sec) 0.001, memory usage (kb) 1228)  
Line: 8  
Correct output : ""  
Student output : "(0,1"...  
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) 0.002, runtime budget (sec) 0.020, memory usage (kb) 1224, 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: Failed (runtime (sec) 0.002, memory usage (kb) 1228)  
Line: 10  
Correct output : ""  
Student output : "(0,1"...  
  
-------------------------------------------------------------------------------  
Test case SampleLQ: Failed (runtime (sec) 0.001, memory usage (kb) 1224)  
Line: 8  
Correct output : ""  
Student output : "(0,1"...  
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  
  
-------------------------------------------------------------------------------  
Test case SFs: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1232, memory budget (kb) 1842)  
You measured 2.0/2.0 for this test case  
  
-------------------------------------------------------------------------------  
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) 1216, memory budget (kb) 1835)  
You measured 2.0/2.0 for this test case  
  
-------------------------------------------------------------------------------  
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  
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) 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) 1232, 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) 0.002, 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 (0.002 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 SCq: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1232, 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 SCS: Failed (runtime (sec) 0.001, memory usage (kb) 1228)  
Line: 63  
Correct output : ""  
Student output : "(12,"...  
  
-------------------------------------------------------------------------------  
Test case SBS: Failed (runtime (sec) 0.002, memory usage (kb) 1228)  
Line: 24  
Correct output : ""  
Student output : "(2,3"...  
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 SAq: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1232, memory budget (kb) 1836)  
You measured 2.0/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case MedM2s: Passed (runtime (sec) 0.008, runtime budget (sec) 0.020, memory usage (kb) 3352, memory budget (kb) 2699)  
You measured 1.9/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case INV8: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1076, memory budget (kb) 3000)  
You measured 1.0/1.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case INV7: Passed (runtime (sec) 0.001, 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 (0.001 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 INV6: Failed (runtime (sec) 35.003, memory usage (kb) 1168)  
The program was stopped with signal SIGXCPU ---  
Your program exceeded the time limit.  
  
-------------------------------------------------------------------------------  
Test case INV5: Failed (runtime (sec) 0.001, memory usage (kb) 1232)  
Expected exit status 1, got status 0  
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 INV4: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1204, memory budget (kb) 3000)  
You measured 1.0/1.0 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 INV3: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1200, memory budget (kb) 3000)  
You measured 1.0/1.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case INV2: 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 INV1: Passed (runtime (sec) 0.001, runtime budget (sec) 0.020, memory usage (kb) 1168, memory budget (kb) 3000)  
You measured 1.0/1.0 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 MedL2q: Passed (runtime (sec) 0.027, runtime budget (sec) 0.029, memory usage (kb) 3324, memory budget (kb) 2712)  
You measured 1.9/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case MedM4q: Passed (runtime (sec) 0.098, runtime budget (sec) 0.070, memory usage (kb) 21504, memory budget (kb) 12634)  
You measured 1.8/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case MedL3Q: Failed (runtime (sec) 0.083, memory usage (kb) 18764)  
Line: 284  
Correct output : ""  
Student output : "(10,"...  
  
-------------------------------------------------------------------------------  
Test case MedM3S: Failed (runtime (sec) 0.293, memory usage (kb) 34140)  
Line: 448692  
Correct output : ""  
Student output : "(10,"...  
  
-------------------------------------------------------------------------------  
Test case MedM5Q: Failed (runtime (sec) 2.193, memory usage (kb) 263448)  
Line: 6253  
Correct output : ""  
Student output : "(47,"...  
Warning: Your program used more system time (1.233 sec) than user time (0.960 sec).  
        This may be due to excessive I/O, overly frequent time measurement  
        (via getrusage for example), or unnecessary system calls.  
  
-------------------------------------------------------------------------------  
Test case MedL4S: Failed (runtime (sec) 0.538, memory usage (kb) 35248)  
Line: 525303  
Correct output : ""  
Student output : "(99,"...  
  
-------------------------------------------------------------------------------  
Test case BM8q: Passed (runtime (sec) 2.327, runtime budget (sec) 1.092, memory usage (kb) 525588, memory budget (kb) 236230)  
You measured 1.3/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case BM6Q: Failed (runtime (sec) 2.539, memory usage (kb) 526988)  
The program was stopped with signal SIGABRT ---  
Your program threw std::bad\_alloc exception.  
It may have exceeded the memory limit.  
  
-------------------------------------------------------------------------------  
Test case BM4s: Passed (runtime (sec) 2.581, runtime budget (sec) 1.422, memory usage (kb) 526112, memory budget (kb) 265448)  
You measured 1.8/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case BM2S: Failed (runtime (sec) 1.751, memory usage (kb) 526064)  
The program was stopped with signal SIGABRT ---  
Your program threw std::bad\_alloc exception.  
It may have exceeded the memory limit.  
  
-------------------------------------------------------------------------------  
Test case MedL5s: Failed (runtime (sec) 2.228, memory usage (kb) 264988)  
Line: 1  
Correct output : "192"  
Student output : ""  
  
-------------------------------------------------------------------------------  
Test case BL7S: Failed (runtime (sec) 10.281, memory usage (kb) 525824)  
Line: 2269330  
Correct output : ""  
Student output : "(419"...  
  
-------------------------------------------------------------------------------  
Test case BL3q: Passed (runtime (sec) 11.334, runtime budget (sec) 13.822, memory usage (kb) 525564, memory budget (kb) 264722)  
You measured 1.9/2.0 for this test case  
  
-------------------------------------------------------------------------------  
Test case BL5s: Failed (runtime (sec) 0.886, memory usage (kb) 525684)  
The program was stopped with signal SIGABRT ---  
Your program threw std::bad\_alloc exception.  
It may have exceeded the memory limit.  
Warning: Your program used more system time (0.575 sec) than user time (0.311 sec).  
        This may be due to excessive I/O, overly frequent time measurement  
        (via getrusage for example), or unnecessary system calls.  
  
-------------------------------------------------------------------------------  
Test case BL1Q: Failed (runtime (sec) 0.958, memory usage (kb) 526852)  
The program was stopped with signal SIGABRT ---  
Your program threw std::bad\_alloc exception.  
It may have exceeded the memory limit.  
Warning: Your program used more system time (0.667 sec) than user time (0.291 sec).  
        This may be due to excessive I/O, overly frequent time measurement  
        (via getrusage for example), or unnecessary system calls.  
  
-------------------------------------------------------------------------------  
You passed 26 out of 44 test cases measuring 44.6/80.0  
  
  
===============================================================================  
Scoring student test cases...  
  
  
Processing test 1.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 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: (invalid test case - could be due to size, incorrect format, or causing a correct solution to exit with error)  
  
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 9 of 12 buggy solutions in 10 good test cases, measuring 17.5 of 20.0 effort  
  
Total points earned: (44.6 for code) + (17.5 for test cases) = 62.1 poin