Running tests for the p\_queue

START OF TEST 1:

Testing all the member functions (25 points).

A. Testing size and empty for an empty priority queue.

Test passed.

B. Adding one item to the queue, and then testing

empty, size, and front.

Test passed.

C. Inserting two items (first has higher priority).

Then checking that both items come out correctly.

Test passed.

D. Inserting two items (second has higher priority).

Then checking that both items come out correctly.

Test passed.

E. Inserting eight items with priorities of

8, 10, 4, 3, 7, 6, 9, 5 (in that order)

Then checking that all items come out correctly.

Test passed.

F. Inserting 250000 random items with random

priorities, and checking that all items come out right.

Test passed.

Test 1 got 25 points out of a possible 25.

END OF TEST 1.

If you submit this program now, you will have

25 points out of the 25 points from this test program.