

```
1  Running tests for the p_queue
2
3  START OF TEST 1:
4  Testing all the member functions (25 points).
5  A. Testing size and empty for an empty priority queue.
6  Test passed.
7
8  B. Adding one item to the queue, and then testing
9     empty, size, and front.
10 Test passed.
11
12 C. Inserting two items (first has higher priority).
13    Then checking that both items come out correctly.
14 Test passed.
15
16 D. Inserting two items (second has higher priority).
17    Then checking that both items come out correctly.
18 Test passed.
19
20 E. Inserting eight items with priorities of
21    8, 10, 4, 3, 7, 6, 9, 5 (in that order)
22    Then checking that all items come out correctly.
23 Test passed.
24
25 F. Inserting 250000 random items with random
26    priorities, and checking that all items come out right.
27 Test passed.
28
29 Test 1 got 25 points out of a possible 25.
30 END OF TEST 1.
31
32 If you submit this program now, you will have
33 25 points out of the 25 points from this test program.
34
```