

## Priority Queue Worksheet

1. Suppose that the sequence of operations

P R I O \* R \* \* I \* T \* Y \* \* \* Q U E \* \* \* U \* E

(where a letter means “*insert that letter*” and an asterisk means “*remove the maximum*”) is applied to an initially empty priority queue. Give the sequence of values returned by the *remove the maximum* operations.

2. Repeat for the scenario where the asterisk means “*remove the minimum*”.