Give the sequences of nodes examined when the methods in BST are used to compute each of the following quantities for the tree drawn at below.

Ordered Operation:

(a) Floor ("Q")

E → Q

→ Q

(b) Select ("S")

| A | D | E | J | M | Q | S | T |

→ Q

(c) Ceiling ("Q")

E → Q

→ Q

(d) Rank ("J")

(e) size (D, J).

Rank of D = 2
Rank of T = 2

Rank (D) - Rank (T) + 1

2 - 2 + 1 = 1

(f) keys (D, T)

| D | E | J | M | Q | S | T |