**2.**

First 12 Popped Off (Stack)

(6,4)

(6,3)

(6,5)

(7,5)

(8,5)

(8,6)

(8,7)

(8,8)

(7,8)

(6,6)

(5,4)

(4,4)

**4.**

First 12 Popped Off (Queue)

(6,4)

(5,4)

(6,5)

(6,3)

(4,4)

(6,6)

(7,5)

(3,4)

(4,5)

(8,5)

(2,4)

(4,6)

**Difference Between Stack/Queue Method**

The two algorithms differ in that a stack essentially follows a path until it reaches a dead end and then follows another path until either the end point is reached or all paths are exhausted. A queue on the other hand expands in concentric circles from the starting point and examines each direction evenly until it finds the end point or examines every possible point.