Q2

(6, 4)

(6, 3)

(6, 5)

(7, 5)

(8, 5)

(8, 6)

(8, 7)

(8, 8)

(7, 8)

(6, 6)

(5, 4)

(4, 4)

Q4

(6, 4)

(5, 4)

(6, 5)

(6, 3)

(4, 4)

(6, 6)

(7, 5)

(3, 4)

(4, 5)

(8, 5)

(2, 4)

(4, 6)

A stack is first in last out, while a queue is first in first out.

A stack does a depth-first search – it finds an available path and continues on a path until it hits a wall.

A queue does a breadth-first search – it finds multiple paths to check, checks each in turn until a path hits a wall.