**Part 2:**

(4,3)

(5,3)

(5,2)

(5,1)

(6,1)

(7,1)

(8,1)

(8,2)

(6,3)

(4,4)

(4,5)

(5,5)

**Part 4:**

(4,3)

(3,3)

(4,4)

(5,3)

(4,5)

(6,3)

(5,2)

(4,6)

(5,5)

(5,1)

(4,7)

(6,5)

How do the two algorithms differ from each other? (Hint: how and why do they visit cells in the maze in a different order?)

The difference between the two algorithms comes from the fact that the stack is LIFO, while the queue is FIFO. The reason this has an impact on the coordinates that the algorithm looks through is because the stack will look at the last coordinate that is pushed, while the queue will look at the oldest coordinate pushed. Based on how the pseudocode had us implement the functions, whether it is a stack or a queue, the coordinates are pushed in the order: north, east, south, and west. A queue’s FIFO-structure pops out in the exact same order that they were popped in. But, as a result of a stack’s LIFO-structure, directions are popped in the order: west, south, east, and north.