Pro#2

The order of the coordinates that pops off the stack is

(6,4)-> (6,3)-> (6,5)-> (7,5)-> (8,5)-> (8,6)-> (8,7)-> (8,8)-> (7,8)-> (6,6)-> (5,4)-> (4,4)

Pro#4

The order of the coordinates that pops off the queue is

(6,4)-> (5,4)-> (6,5)-> (6,3)-> (4,4)-> (6,6)-> (7,5)-> (3,4)-> (4,5)-> (8,5)-> (2,4)-> (4,6)

Because the popping order of the stack is last in first out, and that of the queue is first in first out.

This is the major reason causing the order of the visit to the cell in the maze to be different.