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1. **Given the algorithm, main function, and maze show at the end of problem 1, what are the first 12 (r,c) coordinates popped off the stack?**

(4, 3), (3, 3), (5, 3), (5, 2), (5, 1), (6, 1), (7, 1), (8, 1), (8, 2), (6, 3), (4, 4), (4, 5)

1. **Given the algorithm, main function, and maze show at the end of problem 1, what are the first 12 (r,c) coordinates popped off the queue in your queue-based algorithm?**

(4, 3), (4, 4), (5, 3), (3, 3), (4, 5), (6, 3), (5, 2), (4, 6), (5, 5), (5, 1), (4, 7), (6, 5)

The reason why the outputs are different than the stack version is because of how stacks and queue work. Stacks are ‘last in, first out’ and queues are ‘first in, first out’. Stacks will pop the most recent coordinate pushed and queues will pop the oldest coordinate pushed.