2. First 12 coordinates popped off the stack:

1. 3,5
2. 3,4
3. 3,3
4. 2,4
5. 1,4
6. 1,3
7. 1,2
8. 1,1
9. 2,1
10. 4,5
11. 5,5
12. 5,4

4. First 12 coordinates popped off the stack:

1. 3,5
2. 3,6
3. 4,5
4. 3,4
5. 5,5
6. 2,4
7. 3,3
8. 6,5
9. 5,4
10. 1,4
11. 7,5
12. 5,3

The ways the 2 algorithms differ is that a stack evaluates items based on a Last-in-first-out basis and the queue evaluates items based of a first-in-first-out basis. The stack function will always evaluate moves based off the last (most recent) coordinate pushed to it while the queue function will evaluate the first(oldest) coordinate enqueued.