

### DFS and BFS Path Example

Start at the black 1 position

Goal is to get to red 15 position

The table looks like this:

1 2 3 4 5  
6 7 8 9 10  
11 12 13 14 15

What is the DFS and BFS path?

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15

What is the DFS and BFS path?

**Answer:**

DFS:

1 → 2 → 3 → 4 → 5 → 10 → 9 → 8 → 7 → 6 → 11 → 12 → 13 → 14 → 15

BFS:

1 → 2 → 6 → 3 → 7 → 4 → 8 → 5 → 9 → 10 → 11 → 12 → 13 → 14 → 15