

## Shortest path in Undirected Graph having unit distance

You are given an Undirected Graph having unit weight, Find the shortest path from src to all the vertex and if it is unreachable to reach any vertex, then return -1 for that vertex.

### Example:

```
Input:
n = 9, m= 10
edges=[[0,1],[0,3],[3,4],[4,5],
,[5,6],[1,2],[2,6],[6,7],[7,8],[6,8]]
src=0
Output:
0 1 2 1 2 3 3 4 4
```

### Your Task:

You don't need to print or input anything. Complete the function **shortest path()** which takes a 2d vector or array **edges** representing the edges of undirected graph with unit weight, an integer **N** as number nodes, an integer **M** as number of edges and an integer **src** as the input parameters and returns an integer array or vector, denoting **the vector of distance from src to all nodes**.

### Constraint:

$1 \leq n, m \leq 100$

$1 \leq \text{adj}[i][j] \leq 100$

**Expected Time Complexity:**  $O(N + E)$ , where  $N$  is the number of nodes and  $E$  is edges

**Expected Space Complexity:**  $O(N)$