Lockdown Affair   🔒 locked

Problem	Submissions	Leaderboard	Discussions

You are fully exhausted with regular working from home environment. You have not seen your fiancée for a month. You have decided to go and meet your fiancée at any how. Unfortunately, Covid19 hit in Sri Lanka and officials decided to impose area wise lockdown. Your usual routes are under lockdown. You must avoid locked down areas to reach your fiancée. As a programmer you model these data into a program and find out shortest route to meet your fiancée and meet her. Please use the below map to model your graph. You may assume all path segments have similar distance.
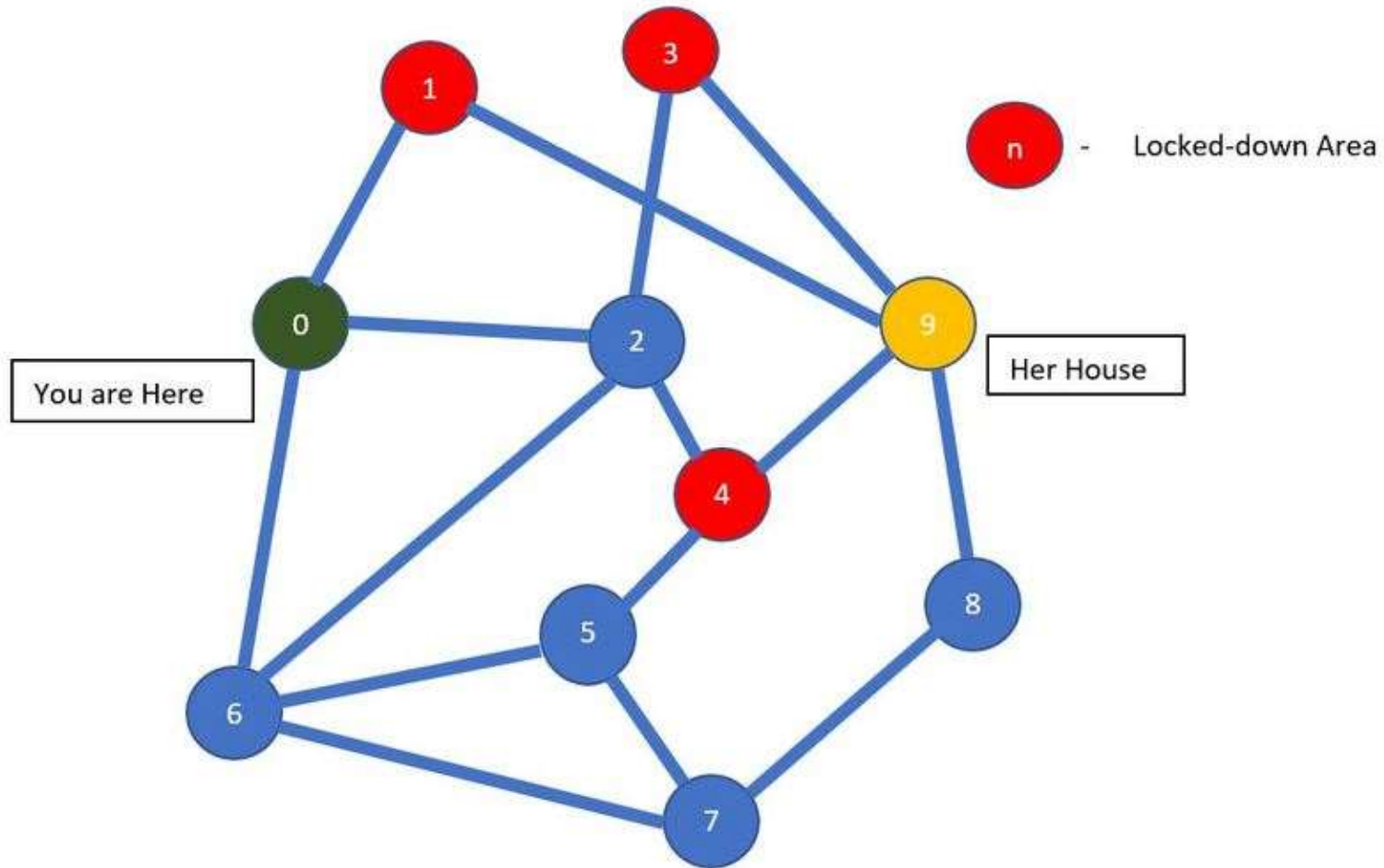
You are always in **first area 0** (0) Your fiancée always in **last area N-1** (9)

Input Format

The first line contains two space seperate integers, **N and E, denoting the number of nodes and edges**

From second line onwards insert edges as two space seperated integers line by line until all edges are inserted. Then insert **number of locked down areas(L)** as integer. Then insert index of locked down areas line by line as integers while all locked down areas are inserted.

Constraints

0 < N < 1000

0 < E < 2000

0 < L < N

Output Format

Print number of areas that you pass to reach the destination(**As per above map you passed 0,6,7,8 areas so answer is 4**). Print **-1** if you can't reach the destination.

```
4
```

Sample Input 0

```
10 15
0 1
0 2
0 6
1 9
2 3
2 4
2 6
3 9
4 5
4 9
5 6
5 7
6 7
7 8
8 9
3
1
3
4
```

Sample Output 0

4

C++

```cpp
#include <cmath>
#include <cstdio>
#include <vector>
#include <iostream>
#include <algorithm>
using namespace std;


int main() {
    /* Enter your code here. Read input from STDIN. Print output to STDOUT */
    return 0;
}
```

Line: 1 Col: 1

☐ **Test against custom input**

Run Code

Submit Code