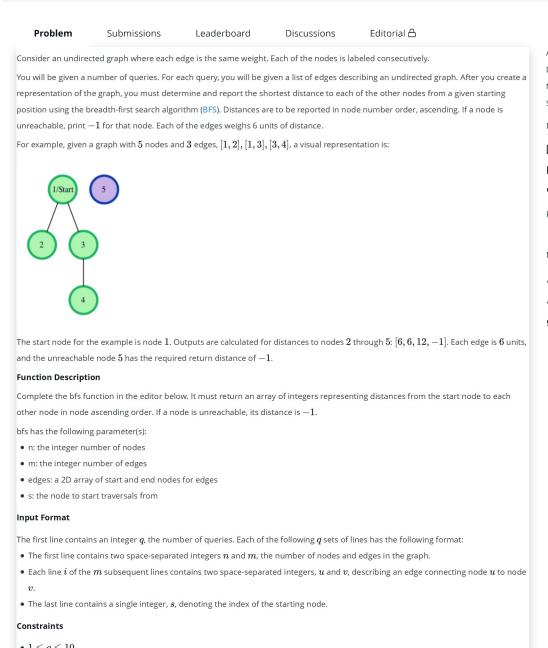
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Practice > Algorithms > Graph Theory > Breadth First Search: Shortest Reach

Breadth First Search: Shortest Reach



Author pranay9413 Difficulty Medium Max Score Submitted By 50889 NEED HELP? View discussions **W** View editorial View top submissions RATE THIS CHALLENGE **公公公公公** MORE DETAILS ■ Download problem statement ■ Download sample test cases Suggest Edits y in

- $1 \le q \le 10$
- $2 \le n \le 1000$
- $1 \leq m \leq \frac{n \cdot (n-1)}{2}$
- $1 \le u, v, s \le n$

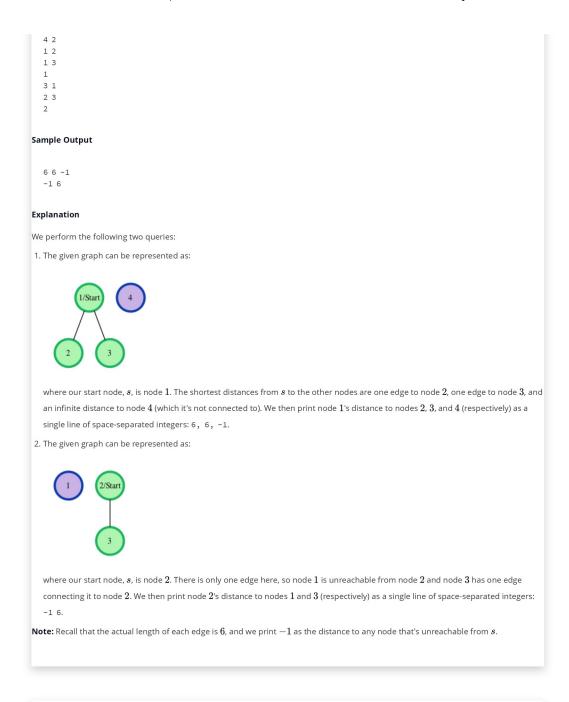
Output Format

For each of the q queries, print a single line of n-1 space-separated integers denoting the shortest distances to each of the n-1other nodes from starting position s. These distances should be listed sequentially by node number (i.e., $1,2,\ldots,n$), but should not include node s. If some node is unreachable from s, print -1 as the distance to that node.

Sample Input

2

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#include <bits/stdc++.h>

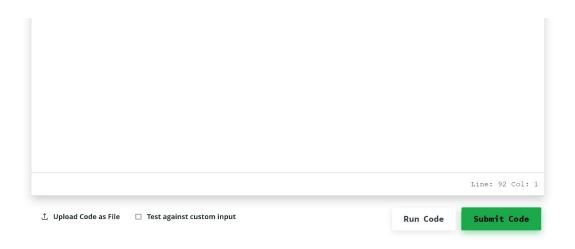
using namespace std;

vector<string> split_string(string);

// Complete the bfs function below.

vector<int> bfs(int n, int m, vector<vector<int>> edges, int s) {
```

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