All Contests ❯ Praktikum Modul 4 - Struktur Data IUP 2021 / 2022 ❯ Bepi and BFS

Bepi and BFS 🔒 locked

Problem	Submissions	Discussions

Bepi is tired running his business, so he decided to just learn about undirected graph.

Bepi has `v` vertices that are connected to `e` edges. Bepi then wanted to know whether he can find a goal from a starting point using BFS and print out the vertices he went through.

Also, if he found the goal, print out the adjacency matrix.

Input Format

- First line is `v`, number of verices and `e`, number of edges

- Then, for `e` lines, `s` (the source) and `d` (the destination).

- After that, `r` the starting point and `g` the goal

Constraints

TBA

Output Format

If there is a path towards the goal,

- print the vertices traversed through followed by `Found!`.

- Then print the adjacency matrix.

If there is no path,

- print `Not Found.`

Sample Input 0

```
4 6
0 1
0 2
1 2
2 0
2 3
3 3
0 3
```

Sample Output 0

```
0 1 2 3 Found!
0 1 1 0
1 0 1 0
1 1 0 1
0 0 1 0
```

Sample Input 1

```
3 1
0 1
0 2
```

Sample Output 1

```
0 1 Not Found.
```

f 🐦 in