


가장 먼 노드

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📅 CreatedAt	@September 28, 2022
👤 Person	 Ally Hyeseong Kim
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References

<https://school.programmers.co.kr/learn/courses/30/lessons/49189>

References

1. Breadth First Search

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```
import collections

def solution(n, edge):
    visited = [False for _ in range(n + 1)]
    graph = dict()
    for e in edge:
        graph[e[0]] = graph.get(e[0], []) + [e[1]]
        graph[e[1]] = graph.get(e[1], []) + [e[0]]

    queue = collections.deque([[1, 0]])
    visited[1] = True
    path = dict()
    while(queue):
        q = queue.popleft()
        path[q[1]] = path.get(q[1], []) + [q[0]]

        for g in graph[q[0]]:
            if not visited[g]:
                queue.append([g, q[1] + 1])
                visited[g] = True
```

```
return len(path[max(path)])
```