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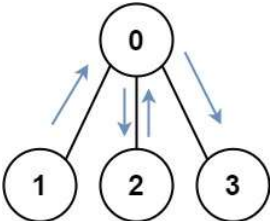
847. Shortest Path Visiting All Nodes

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You have an undirected, connected graph of  $n$  nodes labeled from  $0$  to  $n - 1$ . You are given an array `graph` where `graph[i]` is a list of all the nodes connected with node `i` by an edge.

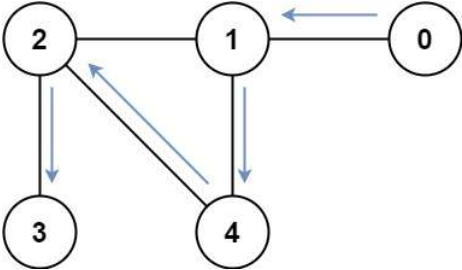
Return the length of the shortest path that visits every node. You may start and stop at any node, you may revisit nodes multiple times, and you may reuse edges.

**Example 1:**



Input: `graph = [[1,2,3],[0],[0],[0]]`  
Output: 4  
Explanation: One possible path is `[1,0,2,0,3]`

**Example 2:**



Input: `graph = [[1],[0,2,4],[1,3,4],[2],[1,2]]`  
Output: 4  
Explanation: One possible path is `[0,1,4,2,3]`

**Constraints:**

- `n == graph.length`
- `1 <= n <= 12`
- `0 <= graph[i].length < n`
- `graph[i]` does not contain `i`.
- If `graph[a]` contains `b`, then `graph[b]` contains `a`.
- The input graph is always connected.

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```
class Solution {
    public int shortestPathLength(int[][] graph) {
    }
}
```

Problems

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https://leetcode.com/problems/shortest-path-visiting-all-nodes/

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