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LeetCode Coding Challenge + GIVEAWAY!

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797. All Paths From Source to Target

Medium

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Given a directed acyclic graph (DAG) of n nodes labeled from 0 to $n - 1$, find all possible paths from node 0 to node $n - 1$ and return them in **any order**.

The graph is given as follows: `graph[i]` is a list of all nodes you can visit from node i (i.e., there is a directed edge from node i to node `graph[i][j]`).

Example 1:

Input: `graph = [[1,2],[3],[3],[]]`
Output: `[[0,1,3],[0,2,3]]`
Explanation: There are two paths: $0 \rightarrow 1 \rightarrow 3$ and $0 \rightarrow 2 \rightarrow 3$.

Example 2:

Input: `graph = [[4,3,1],[3,2,4],[3],[4],[]]`
Output: `[[0,4],[0,3,4],[0,1,3,4],[0,1,2,3,4],[0,1,4]]`

Example 3:

Input: `graph = [[1],[]]`
Output: `[[0,1]]`

Example 4:

Input: `graph = [[1,2,3],[2],[3],[]]`
Output: `[[0,1,2,3],[0,2,3],[0,3]]`

Example 5:

Input: `graph = [[1,3],[2],[3],[]]`
Output: `[[0,1,2,3],[0,3]]`

Constraints:

- $n == \text{graph.length}$
- $2 \leq n \leq 15$
- $0 \leq \text{graph}[i][j] < n$
- `graph[i][j] != i` (i.e., there will be no self-loops).
- All the elements of `graph[i]` are **unique**.
- The input graph is **guaranteed** to be a **DAG**.

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Seen this question in a real interview before?

Yes

No

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```
class Solution {  
    public List<List<Integer>> allPathsSourceTarget(int[][] graph) {  
    }  
}
```

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Problems

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797/2092

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Console

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https://leetcode.com/problems/all-paths-from-source-to-target/

1/1