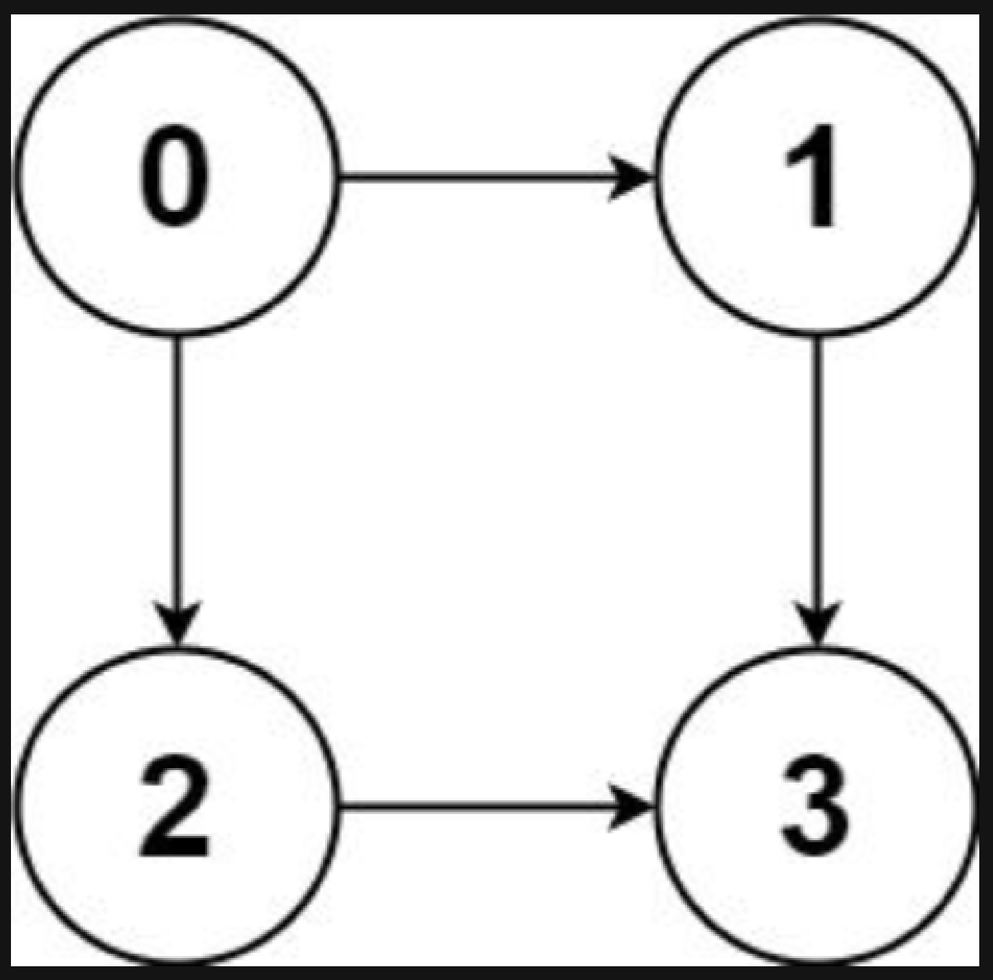
797. All Paths From Source to Target

Description

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** .

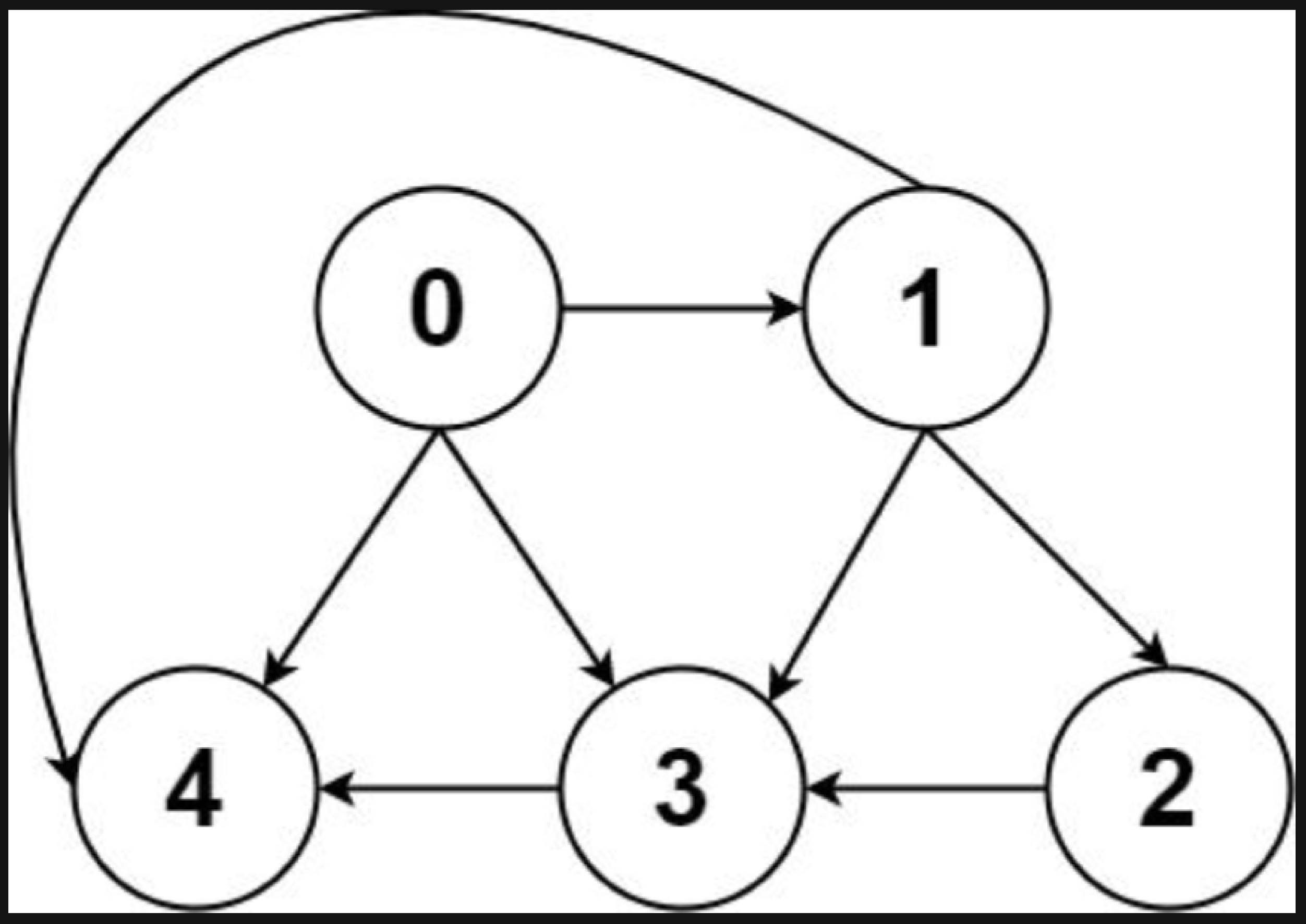
The graph is given as follows: `graph[i]` is a list of all nodes you can visit from node `i` (i.e., there is a directed edge from node `i` to node `graph[i][j]`).

Example 1:



```
Input: graph = [[1,2],[3],[3],[]]
Output: [[0,1,3],[0,2,3]]
Explanation: There are two paths: 0 -> 1 -> 3 and 0 -> 2 -> 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]]
```

Constraints:

- `n == graph.length`
- `2 <= n <= 15`
- `0 <= 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** .