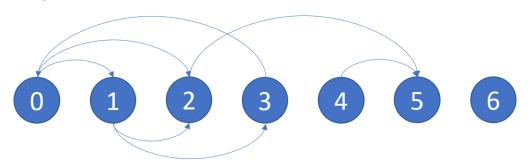


802. Find Eventual Safe States

Medium Topics Companies

There is a directed graph of n nodes with each node labeled from 0 to n-1. The graph is represented by a **0-indexed** 2D integer array A node is a **terminal node** if there are no outgoing edges. A node is a **safe node** if every possible path starting from that node leads to a **t** Return an array containing all the **safe nodes** of the graph. The answer should be sorted in **ascending** order.

Example 1:



Input: graph = [[1,2],[2,3],[5],[0],[5],[],[]]

Output: [2,4,5,6]

Explanation: The given graph is shown above.

Nodes 5 and 6 are terminal nodes as there are no outgoing edges from either of them.

Every path starting at nodes 2, 4, 5, and 6 all lead to either node 5 or 6.

Example 2:

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

Output: [4] Explanation:

Only node 4 is a terminal node, and every path starting at node 4 leads to node 4.

Constraints:

- n == graph.length
- 1 <= n <= 10⁴
- 0 <= graph[i].length <= n
- $0 \le \operatorname{graph}[i][j] \le n 1$
- graph[i] is sorted in a strictly increasing order.
- The graph may contain self-loops.
- The number of edges in the graph will be in the range $[1, 4 * 10^4]$.

Seen this question in a real interview before? 1/4

Yes No

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