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802. Find Eventual Safe States

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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 `graph` where `graph[i]` is an integer array of nodes adjacent to node `i`, meaning there is an edge from node `i` to each node in `graph[i]`.

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 **terminal node**.

Return an array containing all the **safe nodes** of the graph. The answer should be sorted in **ascending** order.

Example 1:

```
graph LR; 0 --> 1; 0 --> 2; 1 --> 2; 2 --> 3; 2 --> 5; 3 --> 5; 4 --> 5; 5 --> 6;
```

**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:

- $n == \text{graph.length}$
- $1 \leq n \leq 10^4$
- $0 \leq \text{graph}[i].\text{length} \leq n$
- $0 \leq \text{graph}[i][j] \leq n - 1$
- `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  $[1, 4 * 10^4]$ .

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

Problems

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https://leetcode.com/problems/find-eventual-safe-states/1/1