Problem 2225: Find Players With Zero or One Losses

Problem Information

Difficulty: Medium
Acceptance Rate: 72.49%
Paid Only: No
Tags: Array, Hash Table, Sorting, Counting

Problem Description

You are given an integer array `matches` where `matches[i] = [winneri, loseri]` indicates that the player `winneri` defeated player `loseri` in a match.

Return _a list_`answer` _of size_`2` _where:_

* `answer[0]` is a list of all players that have **not** lost any matches. * `answer[1]` is a list of all players that have lost exactly **one** match.

The values in the two lists should be returned in **increasing** order.

Note:

* You should only consider the players that have played **at least one** match. * The testcases will be generated such that **no** two matches will have the **same** outcome.

Example 1:

Input: matches = [[1,3],[2,3],[3,6],[5,6],[5,7],[4,5],[4,8],[4,9],[10,4],[10,9]] **Output:** [[1,2,10],[4,5,7,8]] **Explanation:** Players 1, 2, and 10 have not lost any matches. Players 4, 5, 7, and 8 each have lost one match. Players 3, 6, and 9 each have lost two matches. Thus, answer[0] = [1,2,10] and answer[1] = [4,5,7,8].

Example 2:

Input: matches = [[2,3],[1,3],[5,4],[6,4]] **Output:** [[1,2,5,6],[]] **Explanation:** Players 1, 2, 5, and 6 have not lost any matches. Players 3 and 4 each have lost two matches. Thus, answer[0] = [1,2,5,6] and answer[1] = [].

Constraints:

* `1 <= matches.length <= 105` * `matches[i].length == 2` * `1 <= winneri, loseri <= 105` * `winneri != loseri` * All `matches[i]` are **unique**.

Code Snippets

C++:

```
class Solution {
public:
vector<vector<int>> findWinners(vector<vector<int>>& matches) {

}
};
```

Java:

```
class Solution {
public List<List<Integer>> findWinners(int[][] matches) {

}
}
```

Python3:

```
class Solution:
def findWinners(self, matches: List[List[int]]) -> List[List[int]]:
```