

5400. Destination City

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You are given the array `paths`, where `paths[i] = [cityAi, cityBi]` means there exists a direct path going from `cityAi` to `cityBi`. *Return the destination city, that is, the city without any path outgoing to another city.*

It is guaranteed that the graph of paths forms a line without any loop, therefore, there will be exactly one destination city.

Example 1:

Input: `paths = [["London","New York"],["New York","Lima"],["Lima","Sao Paulo"]]`
Output: `"Sao Paulo"`
Explanation: Starting at "London" city you will reach "Sao Paulo" city which is the destination city. Paths from all other cities lead to other cities.

Example 2:

Input: `paths = [["B","C"],["D","B"],["C","A"]]`
Output: `"A"`
Explanation: All possible trips are:
 "D" -> "B" -> "C" -> "A".
 "B" -> "C" -> "A".
 "C" -> "A".
 "A".
 Clearly the destination city is "A".

Example 3:

Input: `paths = [["A","Z"]]`
Output: `"Z"`

Constraints:

- `1 <= paths.length <= 100`
- `paths[i].length == 2`
- `1 <= cityAi.length, cityBi.length <= 10`
- `cityAi != cityBi`
- All strings consist of lowercase and uppercase English letters and the space character.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Easy

Java



```
1 class Solution {  
2     public String destCity(List<List<String>> paths) {  
3  
4     }  
5 }
```

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