332. Reconstruct Itinerary

Hard Topics Companies

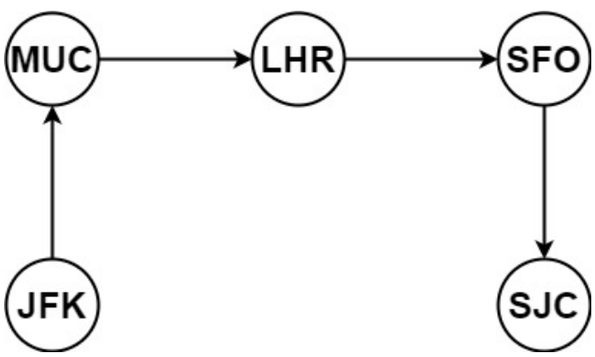
You are given a list of airline `tickets` where `tickets[i] = [from_i, to_i]` represent the departure and the arrival airports of one flight. Re

All of the tickets belong to a man who departs from `"JFK"`, thus, the itinerary must begin with `"JFK"`. If there are multiple valid itineraries,

- For example, the itinerary `["JFK", "LGA"]` has a smaller lexical order than `["JFK", "LGB"]`.

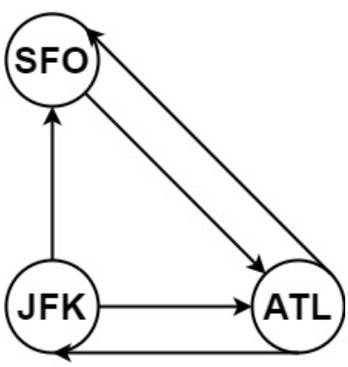
You may assume all tickets form at least one valid itinerary. You must use all the tickets once and only once.

Example 1:




```
Input: tickets = [["MUC","LHR"],["JFK","MUC"],["SFO","SJC"],["LHR","SFO"]]
Output: ["JFK","MUC","LHR","SFO","SJC"]
```

Example 2:




```
Input: tickets = [["JFK","SFO"],["JFK","ATL"],["SFO","ATL"],["ATL","JFK"],["ATL","SFO"]]
Output: ["JFK","ATL","JFK","SFO","ATL","SFO"]
Explanation: Another possible reconstruction is ["JFK","SFO","ATL","JFK","ATL","SFO"] but it is larg
```

Constraints:

- `1 <= tickets.length <= 300`
- `tickets[i].length == 2`
- `from_i.length == 3`
- `to_i.length == 3`
- `from_i` and `to_i` consist of uppercase English letters.
- `from_i != to_i`

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

Yes No