There is a group of n people labeled from 0 to n - 1 where each person has a different amount of money and a different level of quietness.

You are given an array richer where richer[i] = [ai, bi] indicates that ai has more money than bi and an integer array quiet where quiet[i] is the quietness of the ith person. All the given data in richer are **logically correct** (i.e., the data will not lead you to a situation where x is richer than y and y is richer than x at the same time).

Return *an integer array* answer *where* answer[x] = y *if* y *is the least quiet person (that is, the person* y *with the smallest value of* quiet[y]*) among all people who definitely have equal to or more money than the person* x.

**Example 1:**

Input: richer = [[1,0],[2,1],[3,1],[3,7],[4,3],[5,3],[6,3]], quiet = [3,2,5,4,6,1,7,0]  
Output: [5,5,2,5,4,5,6,7]  
Explanation:   
answer[0] = 5.  
Person 5 has more money than 3, which has more money than 1, which has more money than 0.  
The only person who is quieter (has lower quiet[x]) is person 7, but it is not clear if they have more money than person 0.  
answer[7] = 7.  
Among all people that definitely have equal to or more money than person 7 (which could be persons 3, 4, 5, 6, or 7), the person who is the quietest (has lower quiet[x]) is person 7.  
The other answers can be filled out with similar reasoning.

**Example 2:**

Input: richer = [], quiet = [0]  
Output: [0]

**Constraints:**

* n == quiet.length
* 1 <= n <= 500
* 0 <= quiet[i] < n
* All the values of quiet are **unique**.
* 0 <= richer.length <= n \* (n - 1) / 2
* 0 <= ai, bi < n
* ai != bi
* All the pairs of richer are **unique**.
* The observations in richer are all logically consistent.