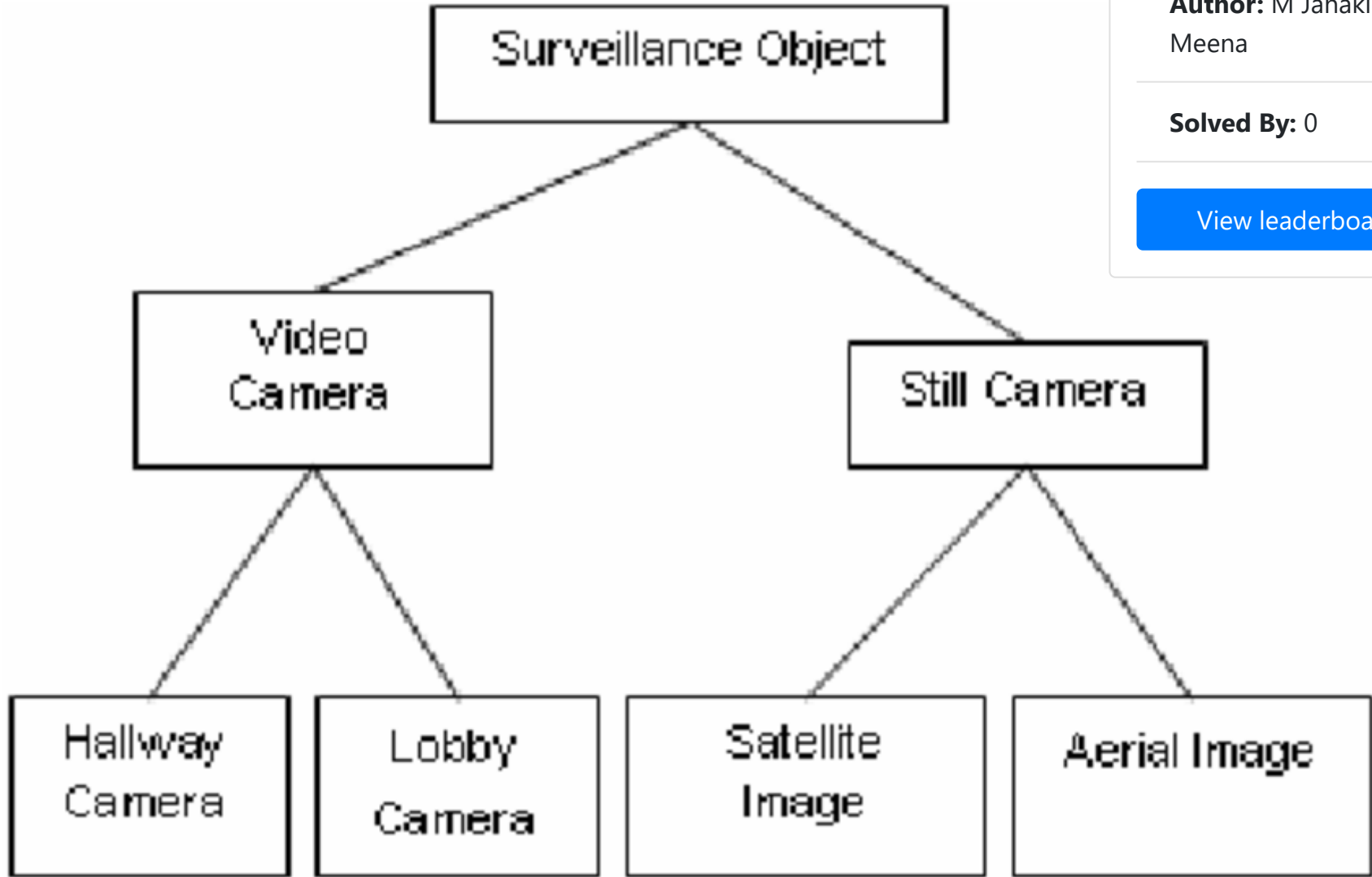


Inverse-is-a Relationship

Image given below shows an hierarchy of is-a relationship between entities. That is, in the image shown below, video camera is a surveillance object, still camera is a surveillance object, hallway camera is a video camera and so on.



Given the name of an enti, write a C++ program to print the name of the reverse is-a object name. That is if lobby camera is given then print video camera.

Illustration

For the above image, input is given as below:

2
2
sur video
sur still
4
video hallway
video lobby
still satellite
still aerial
sur

And expected output is

video still

Input Format

First line contains the number of levels of isa relationship, n

Problem Statistics

Author: M Janaki Meena

Solved By: 0

View leaderboard

For each level

Next line contains the number of entities in level 1, m

Next 'm' lines contain the name of the entities involved in is-a relationship

Next line contains the name of the entity that is being queried

Output Format

Print the name of entities which are in inverse is-a relationship with query

Theme:

Terminal

 Language

Python

 Font size:

18

```
1
2 n = int(input())
3 tree = {}
4 for i in range(n):
5     m = int(input())
6     for j in range(m):
7         parent,child = input().split()
8         if not parent in tree:
9             tree[parent]=[child]
10        else:
11            tree[parent].append(child)
12
13 query = input()
14 print(*tree[query])
15
```

16

Use custom I/O

Run Code

Save Code

Pause Test

Status:

Success your code has passed all test cases!!