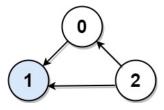


Example 1:

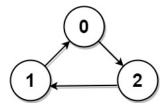


Input: graph = [[1,1,0],[0,1,0],[1,1,1]]

Output: 1

Explanation: There are three persons labeled with 0, 1 and 2. graph[i][j] = 1 means person i knows person j, otherwise graph[i][j] = 0 means person i does not know person j. The celebrity is the person labeled as 1 because both 0 and 2 know him but 1 does not know anybody.

Example 2:



Input: graph = [[1,0,1],[1,1,0],[0,1,1]]

Explanation: There is no celebrity.

Constraints:

- n == graph.length == graph[i].length
- 2 <= n <= 100
- graph[i][j] is 0 or 1.
- graph[i][i] == 1

Follow up: If the maximum number of allowed calls to the API knows is 3 * n , could you find a solution without exceeding the maximum number of calls?

Accepted 241,392 Submissions 519,018 Seen this question in a real interview before? No Companies 🚡 ≡ Problems ➢ Pick One #:/150 Next > i C++ ~ Autocomplete i {} (1 ▼ /* The knows API is defined for you. 2 bool knows(int a, int 3 4 class Solution { public: int findCelebrity(int n) 6 ▼ 7 8 int low = 0; 9 int high = n-1; 10 11 while(low<high)</pre> 12 ▼ 13 if(knows(low,high)) 14 ▼ { 15 low++;16 17 else 18 { 19 high--; 20 } 21 } 22 cout<<low<<" " "<<n; <<high<<" 23 for(int i=0;i<n;i++)</pre> 24 ▼ 25 if(i!=low) 26 if(knows(low,i) || !knows(i,low)) 27 return -1; 28 29 return low; 30 31 }; NFW Run Code Result Debugger 🚡 Testcase Accepted Runtime: 4 ms [[1,0],[0,1]] Your input 0 0 2 stdout -1 Diff Output -1 Expected Run Code ^