**[Find the Celebrity](https://leetcode.com/problems/find-the-celebrity/)**

**/\* The knows API is defined in the parent class Relation.**

**boolean knows(int a, int b); \*/**

**public class Solution extends Relation {**

**public int findCelebrity(int n) {**

**if(n <= 0) {**

**return 0;**

**}**

**int celebrity = 0;**

**for(int i = 1 ; i < n ; i++) {**

**if(knows(celebrity , i)) {**

**celebrity = i;**

**}**

**}**

**for(int i = 0 ; i < n ; i++) {**

**if(i == celebrity) {**

**continue;**

**}**

**if(knows(celebrity, i) || !knows(i , celebrity)) {**

**return -1;**

**}**

**}**

**return celebrity;**

**}**

**}**

Time complexity : O(n) ,n is people in party

Space Complexity : O(1) , constant space