**The OR Gate**

[bit](http://www.practice.geeksforgeeks.org/tag-page.php?tag=bit&isCmp=0)

Construct an N input OR Gate. An OR Gate returns 0 if all its inputs are 0, otherwise 1.

**Input:**

The first line of input takes the number of test cases, T. Then T test cases follow.

Each test case consists of 2 lines.

The first line of each test case takes the number of inputs to the OR Gate, N. The second line of each test case takes N space separated integers denoting the inputs to the OR Gate. Note that the inputs can be either 1's or 0's.

**Output:**

Print the output of the N input OR Gate for each test case on a new line.

**Constraints:**

1<=T<=100

1<=N<=100

**Example:**

**Input:**

3  
2  
1 1  
3  
0 0 0  
4  
1 1 1 0

**Output:**

1

0

1

\*\*For More Examples Use Expected Output\*\*

<http://www.practice.geeksforgeeks.org/problem-page.php?pid=1335>

#include <iostream>

#include <stdio.h>

using namespace std;

int main() {

int t;

scanf("%d", &t);

while(t--) {

int n;

scanf("%d", &n);

//int arr[n];

int ans =0;

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

int elem;

scanf("%d", &elem);

if(elem == 1) {

ans = 1;

}

}

cout << ans << endl;

}

return 0;

}