Int N= Integer.parseInt(br.readLine())

StringTokenizer st = new StringTokenizer(br.readLine());

Int arr[] = new int[N];

for(int i = 0; i < N-1; i++)  
{

Arr[i] = Integer.parseInt(st.nextToken());

}

for(int test = 1; test <= N; test++) {

Int[] testArr = new int[N];

Boolean[] seen = new Boolean[N];

Boolean fail = false;

testArr[0] = test;

for(int i = 1; i < N; i++) {

testArr[i] = arr[i-1] - testArr[i-1];//check to see if negative. If so, fail immediately!

if(seen[testArr[i]]) {

Fail = true;

break;

}

seen[testArr[i]] = true;

}

if(!fail) {

Print out the testArr to the console.

break;

}

}

pw.close()

5

4 6 7 6

Arr[0] arr[1] arr[2] arr[3]

1 3 3 4 2

Test = 1

test arr[0] - testArr[0] arr[1] - testArr[1]

testArr[0] testArr[1] testArr[2] testArr[3] testArr[4]

N