

# **PRE-DEFINED CRICKET**

Mr. Mahindra Singh Afridi is a new talented PakInd cricket player. He has reached to international level with his interesting rule to play the game in certain set of balls i.e. he pre-defines a number 'n' which is number of balls and then defines what he will score on each of those balls ( $I_1, I_2, \dots, I_{(n-1)}, I_n$ ). If he plays more balls then 'n' then the set restarts for example if 'n' is 6 and he is playing 8<sup>th</sup> ball then he will score the runs he decided to score on 2<sup>nd</sup> ball. Your task is to calculate how much runs he scores in a match.

## **Input:**

First line of input contains an integer 't' which is the number of test cases. Followed by 't' test cases each having 2 line. First line of the test case contains 'n' i.e. number of balls in a set and 'b' i.e number of balls he played in the match (b-th ball is the ball on which he got out i.e. no score on b-th ball) separated by space. Second line contains 'n' integers separated by space defining each ball in the set of n balls.

## **Output:**

Output contains t line each for a test case, determining how much runs he scored.

## **Sample:**

### **Input:**

```
3
5 7
6 2 0 1 4
10 3
6 6 6 6 6 6 6 6 6 6
2 10
0 1
```

### **Output:**

```
19
12
4
```