Coders here is a simple task for you, you have given an array of size **N** and an integer **M**.
Your task is to calculate the **difference between maximum sum and minimum sum of N-M elements** of the given array.

Constraints:
1<=t<=10
1<=n<=1000
1<=a[i]<=1000

Input:
First line contains an integer **T** denoting the number of testcases.
First line of every testcase contains two integer **N** and **M**.
Next line contains **N** space separated integers denoting the elements of array
Output:
For every test case print your answer in new line

SAMPLE INPUT

```
1
5 1
1 2 3 4 5
```

SAMPLE OUTPUT

```
4
```

Explanation

M is 1 and N is 5 so you have to calculate maximum and minimum sum using (5-1 =) 4 elements.
Maximum sum using the 4 elements would be (2+3+4+5=)14.
Minimum sum using the 4 elements would be (1+2+3+4=)10.
Difference will be 14-10=4.