PL-2020-C-Easy Going

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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.

Input Format

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

Constraints

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

Output Format

For every test case print your answer in new line

Sample Input 0

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

Sample Output 0

```
4
```

Explanation 0

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.

C

```c
#include <stdio.h>
#include <stdlib.h>
#define MAX_ELEMENTS 1000

int main()
```

```c
{
    int t;
    scanf("%d", &t);
    while (t--)
    {
        int n, m;
        scanf("%d%d", &n, &m);
        int arr[MAX_ELEMENTS];
        for (int i = 0; i < n; i++)
        {
            scanf("%d", &arr[i]);
        }
        for (int i = 0; i < n - 1; i++)
        {
            for (int j = i + 1; j < n; j++)
            {
                if (arr[i] > arr[j])
                {
                    int temp = arr[i];
                    arr[i] = arr[j];
                    arr[j] = temp;
                }
            }
        }
        int min_sum = 0;
        for (int i = 0; i < n - m; i++)
        {
            min_sum += arr[i];
        }
        int max_sum = 0;
        for (int i = n - 1; i >= m; i--)
        {
            max_sum += arr[i];
        }
        int diff = max_sum - min_sum;
        printf("%d\n", diff);
    }
    return 0;
}
```

Line: 1 Col: 1

Upload Code as File Test against custom input Run Code Submit Code