

Subset Sum

You are given an array **A** and an integer **K**, you have to find out a subset of **A** of size **K** which has the maximum sum.

Subset of A: It is a set of values in which all the values of this set are present in A.

INPUT:

first line contains **T** ≤ 100 , the number of test cases.

Every test case has two lines of input which is as follows:

The first line contains an integer **N** and **K** ($1 \leq N \leq 1000$, $1 \leq K \leq N$) the size of the array and the size of the required subset.

The second line contains the N values denoting the number on each tile in order from 1 to N.

Each value in array will be in the range **[-1000000,1000000]** .

OUTPUT:

For every test case output the maximum subset sum in a new line

EXAMPLE INPUT:

```
2
5 3
-1 5 -3 7 -2
1 1
5
```

EXAMPLE OUTPUT:

```
11
5
```