Problem F. F- sorting

Time limit   2000 ms
Mem limit   262144 kB

Problem Statement

Snuke has N sticks. The length of the i-th stick is l_i.

Snuke is making a snake toy by joining K of the sticks together.

The length of the toy is represented by the sum of the individual sticks that compose it. Find the maximum possible length of the toy.

Constraints

- $1 \le K \le N \le 50$
- $1 \le l_i \le 50$
- l_i is an integer.

Input

Input is given from Standard Input in the following format:

```
N  K
l₁  l₂  l₃  ...  lN
```

Output

Print the answer.

Sample 1

Input	Output
5 3 1 2 3 4 5	12

You can make a toy of length 12 by joining the sticks of lengths 3, 4 and 5, which is the maximum possible length.

Sample 2

Input	Output
15 14 50 26 27 21 41 7 42 35 7 5 5 36 39 1 45	386