Problem F5101
Summation Problem

You are given a sequence of integer $a_1, a_2, \ldots, a_n$. Find the summation of first k terms of this sequence.

Input

The first line consist of two space separated integer $n(1 \leq n \leq 100)$ and $k(1 \leq k \leq n)$, denoting the total number of integers in the sequence and the number of integers to sum up.

The second line consist of n space separated integers $a_1, a_2, \ldots, a_n$, and each a_i is between -100 and 100 inclusive($-100 \leq a_i \leq 100$).

Output

Print the result of $\sum_{i=1}^{i=k} a_i$.

Sample Input

```
4 3
1 -1 2 -2
```

Sample Output

```
2
```