

# Suffix Sum

Input file:            **standard input**  
Output file:           **standard output**  
Time limit:            1 second  
Memory limit:          256 megabytes

Given two numbers  $N$  and  $M$ , and an array  $A$  of  $N$  numbers. Calculate the sum of the last  $M$  numbers.  
**Note:** solve this problem using recursion.

## Input

First line contains two numbers  $N$  and  $M$  ( $1 \leq M \leq N \leq 10^5$ ).  
Second line contains  $N$  numbers ( $-10^9 \leq A_i \leq 10^9$ ).

## Output

Print the sum of the last  $M$  numbers of the given array.

## Example

standard input	standard output
5 3 1 8 2 10 3	15