# Problem E. Effective Thief

There are $n$ jewels arranged in a row. The $i$-th jewel from the left has cost of $c_i$. A thief is planning to steal some of the jewels. Since the thief has limited capacity, the thief can only steal ***at most $k$ consecutive*** *jewels* at once. Of course, the thief wants the sum of cost of jewels to be maximized as possible. Given the costs of each jewel, write a program that calculates the *maximum possible sum of costs* that the thief can get by stealing jewels.

## Input

Your input consists of an arbitrary number of records, but no more than 5.

Each input record consists of two lines. The first line contains two integers $n$ and $k$ $(1 \leq k \leq n \leq 100{,}000)$, separated by a space. The second line contains $n$ integers $c_1, c_2, \cdots, c_n$ $(1 \leq c_i < 2^{31})$, each separated by a space.

The end of input is indicated by a line containing only the value $-1$.

## Output

For each input record, print a line that contains the maximum possible sum of costs that the thief can get by stealing jewels.

## Example

| Standard input | Standard output |
|---|---|
| 7 5<br>11 1 7 1 7 13 1<br>2 2<br>6 1<br>-1 | 29<br>7 |

## Time Limit

1 second.