

New year love story

[English](#)

[Vietnamese](#)

With brother's help, DB has succeeded in flirt with TN. (see [QTNOEL](#)). But now he has another problem :

In Vietnamese Tet holidays (Vietnam's Lunar New Year), there is a custom called 'Li xi' that adult give children money in red packs, to wish them strong and happy. DB's family has a very special method to give children Li xi :

There are n Li xi packs, every pack has $a[i]$ VND – Vietnamese unit of money, and a random positive integer k ($1 \leq k \leq n$). DB can take any pack, but mustn't take k packs in a row.

Let's help him to find the way to take the maximum of money.

Input :

- First line : two integer n and k
- Second line : n integer, the i -th number is $a[i]$

Output :

A single number s – the maximum money DB can take.

Example:

Input:

```
5 3
6 19 8 7 13
```

Output:

```
45
```

Limit :

- $0 \leq a[i] \leq 2000$
- $n \leq 10^6$