Another Contest 5 Problem 3 - Cutting Cheese Costs

Time limit: 1.0s **Memory limit:** 256M

Tudor is buying N blocks of cheese. Each block of cheese has a regular price and a discounted price.

Tudor has K coupons that allow him to buy a block of cheese for the discounted price instead of the regular price. Each coupon can be used for exactly one block of cheese.

Given that Tudor wants to buy all N blocks of cheese, compute the minimum amount of money he must spend.

Constraints

$1 \leq N \leq 10^5$

$0 \leq K \leq N$

$1 \leq d_i \leq p_i \leq 10^9$

Input Specification

The first line contains two space separated integers, N and K.

The next N lines each contain two space separated integers, p_i and d_i representing the regular price and discounted price of block i, respectively.

Output Specification

Output the minimum amount of money Tudor must spend.

Sample Input

```
2 1
100 0
10 10
```

Sample Output

```
10
```