

Voucher 3

On Singles day, Hoa has M voucher which gives 30% discount (maximum 50 thousands VND) for a item. The discount will apply to one item only and doesn't apply to whole bill . Hoa willing to buy N items at the store. How much does she need to pay?

Input

Two integer N and M ($1 \leq N, M \leq 10^5$,) which is the number of items Hoa wants to buy and number of vouchers she have.

The second line contains N integers which are prices of N items, correspondingly. The prices is not exceed 10^9 .

Output

The amount of money Hoa need to spend on items.

Sample

Input	Output
5 2 100000 5000 2000 100000 200000	327000