

# Christmas discount

Christmas is coming soon; Ngoc's store has a promotion for all customers. Based on the value of the invoice, they will receive a discount as the following:

- Equal or less than 2 million, discount rate is 3%.
- Equal or less than 5 million, discount rate is 4%.
- Equal or less than 10 million, discount rate is 5%.
- Equal or less than 20 million, discount rate is 6%
- Equal or less than 50 million, discount rate is 7%
- Equal or less than 100 million, discount rate is 8%
- Equal or less than 200 million, discount rate is 9%
- Greater than 200 million, discount rate is 10%.

Given a list of bills, compute the total income of the store.

## Input

The first line contains an integer  $n$ , which is the number of bills ( $0 \leq n \leq 10^5$ ).

The second line contains  $n$  integers, which are the value of  $n$  bills. All integers are divisible by 1000 and do not exceed  $10^9$ .

## Output

The total income of the store, round to unit

## Sample

Input	Output
5 10000 1000000 3000000 5000000 100000000	100659700