

# Electricity bill

The electricity company offers the following formula for calculating the electricity bill:

- The first 100 kWh cost 200 VND/Wh
- Next 1000 kWh for the subsequent price of 500 VND / kWh
- Next 2000 kWh are priced at 1,000 VND / kWh
- Next 5,000 kWh, priced at 10,000 VND / kWh
- Next 10,000 kWh are priced at 12,000 VND / kWh
- The remaining amount is 100,000 VND / kWh

Assuming that  $k$  kWh is consumed, what is the cost of the bill ?

## Input

Only integer  $k$  ( $k \leq 10^9$ )

## Output

Amount to pay

## Example

**Input:**

150

**Output:**

45000