

ELECTRICAL PRICE CALCULATION

The electricity company offers the following formula for calculating electrical price:

- The first 100 Kw/h costs 700/ Kw/h.
- The next 50 Kw/h costs 1.500/ Kw/h.
- 300 Kw/h followed by 3.000/ Kw/h.
- The amount Kw remaining is calculated by 10.000/ Kw/h.

How much will it cost for N Kw/h?

Input

A positive integer N ($0 < N < 10^3$).

Output

The amount of money have to pay.

Example

Input:
250

Output:
445000