

DISCOUNT

ABC store applies a promotion on the opening day. Customers are discounted based on different levels. Specifically:

- Amount of money between 1 thousand VND to 2 million VND: no discount
- Amount of money from 2 million VND to 10 million VND : 3% discount
- Amount of money from 10 million VND to 50 million VND : 5% discount
- Amount of money from 50 million VND to 100 million VND: 7% discount
- Amount of money from 100 million VND to 200 million VND: 10% discount
- Amount of money from 200 million VND to 500 million VND: 12% discount
- Amount of money over 500 million VND: 15% discount

* Discount rate is applied on the amount of each level, not on the whole bill. The payment amount is rounded to the **nearest whole number**

The software of the store has calculated the total value of the items (N, a multiple of 1000) that the customer purchases. Write a program that helps the store calculate the amount the customer has to pay.

Input

A single line consists of 1 positive integer N ($1,000 \leq N \leq 5 * 10^9$).

Output

A single line is the amount that the customer must pay.

Example

Input:

20000000

Output:

19260000

Input:

55555000

Output:

52926150