

Attractive Loan

Once upon a time Robert took a bank loan. The interest rate, which appeared to be "one percent", looked extremely attractive. Unhappily, it turned out that he had not read the fine print of the contract carefully. The installments have to be paid on each of 50 subsequent Mondays. This weekly payment consists of two parts: the so called capital part (paying back the original loan) and the interest part. The capital part is 2% of the loan amount, and the interest part is equal to 1% of the part of the loan amount which still remains to be paid. The resulting sum is rounded to full Euros (rounding is always up).

Compute the total sum that Robert will have to pay back.

Input

Positive integer $0 < x \leq 100000$ - the loan amount.

Output

The sum of all Robert payments.

Example 1

Input:

1

Output:

50

Example 2

Input:

1500

Output:

1905

Scoring

For solving this problem you will score **10 points**.