

## Problem I

# Shopping

Time limit: 1 second  
Memory: 1024 megabytes

### Problem Description

A stationery store lists the regular price of a notebook as **X** dong (with  $1000 \leq X \leq 5000$ ). To serve students at the beginning of the new school year, the store has a special promotion for students as follows: the price of a notebook is reduced by **10%** from the original price. Additionally, if the total amount spent on notebooks is between **30,000** dong and **50,000** dong, there is an extra **2%** discount on the total amount. If the total exceeds **50,000** dong, a **3%** discount is applied to the total amount. Knowing this information, Ty hurriedly went to the store to buy **N** notebooks for the whole school year.

**Your task:** Write a program to calculate the amount of money Ty spent on buying the notebooks.

### Input:

- An only line contains two integers **X** and **N** (with  $N \leq 150$ ).

### Output:

- Display the amount of money Ty spent on notebooks.

### Example:

INPUT	OUTPUT
1000 10	9000