## Sponsor

A professional swimmer called Michael gets funding from TALENT Association based on his results. He will get a hundred dollars' reward each time he improves his lifetime record. Michael knows that he can sometimes profit by not revealing his good results in order to receive a higher prize. You should calculate how much money can he get.

## Input

Each line of standard input contains one result: a value of time, expressed in seconds, accurate to the millisecond, between 20.000 and 30.000 . The last line contains the time 99.999. There will be no more than 20000 lines of input.

## Output

The program should output the maximal sum of money which Michael can collect if he "plays" optimally for the given data.

## Example

Input:
23.600
23.400
22.610
24.420
22.400
22.220
21.800
22.800
20.800
99.999

## Output:

700

## Scoring

For solving this problem you will score 10 points.

