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# 2018 ICPC Mid-Atlantic North America Programming Contest Practice Round



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Welcome to the practice round for the 2018 ICPC Mid-Atlantic Regional.

Before you start the round, please take the time to review the **Contest Guide and Rules**, provided separately.

There is one (1) practice problem. Please submit solutions or request clarifications **for this problem only**. Unless you have a real question about the problem, please submit at most one clarification request, and at most two runs. It is important that everyone have a chance to see how the system works. Even if you do not solve the practice problem, you should submit once just to practice with the system.

## Problem A: Roaming Romans

The English word “mile” derives from the Latin “mille passus”, meaning “a thousand paces”. A Roman mile was the distance a soldier would walk in 1 000 paces (a pace being two steps, one with each foot).

Over time, the actual distance referred to as a “mile” has changed. The modern English mile is 5 280 (modern) feet. The Roman mile is believed to have been about 4 854 (modern) feet. Therefore a distance of  $x$  English miles would correspond to  $1\,000 \cdot \frac{5\,280}{4\,854}$  Roman paces.

Write a program to convert distances in English miles into Roman paces.



### Input

Input will consist of a single line containing a single real number  $0 \leq X \leq 1\,000$  denoting a distance in English miles. The number  $X$  has at most 3 digits of precision after the decimal point.

### Output

Print an integer denoting the closest number of Roman paces equivalent to  $X$ . Your answer should be rounded to the closest integer.

### Examples

#### Example 1

##### Sample Input

```
1.0
```

##### Sample Output

```
1088
```

#### Example 2

##### Sample Input

```
20.267
```

##### Sample Output

```
22046
```