

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 (with an exact .5 decimal part rounded up).

Sample Input 1

1.0

Sample Output 1

1088

Sample Input 2

20.267

Sample Output 2

22046

Problem ID: romans
CPU Time limit: 1 second
Memory limit: 1024 MB
Difficulty: 1.3

Author: Steven Zeil
Source: 2017 ICPC Mid-A
Regional Practice Contest
License: CC BY-SA