
9. Nautical Miles

Program Name: Nautical.java

Input File: nautical.dat

Philip goes on a lot of cruises. At the noon update, the ship's captain reports the distance that the ship has traveled since the last port and the distance left to travel to the next port in terms of nautical miles. You know that one nautical mile is approximately 1.15 miles in our English measurement system.

You are to write a program that will convert nautical miles to English miles.

Input

The first line of input will contain a single integer n that indicates the number of nautical mile distances to be converted. Each of the following n lines will contain a single positive integer less than 50,000.

Output

For each integer input, you will print on a single line the number of English miles, rounded to the nearest tenth, represented by that integer.

Example Input File

```
3
1024
926
877
```

Example Output to Screen

```
1177.6
1064.9
1008.6
```