

3 Death Valley

A town in Death Valley has a water tank that holds 10,000 gallons of water. Assume that the water tank is full. Calculate the number of weeks the town will be able to use water if no more water is put into the tank.

The input to the program will be a number on each line $1 \leq G \leq 10000$, the number of gallons that the town uses per week. The last line will have $G = 0$ and should not be processed.

The output of the program will have one line per input line. Each line will display the number of full weeks the town can use water at the given rate.

Note: The \leftarrow symbol in the examples below represents a newline character.

Sample Input

```
1750←  
1000←  
4325←  
0←
```

Sample Output

```
5←  
10←  
2←
```