

PROBLEM 13

How many weeks?

General Statement: A town in Death Valley has a water tank that contains 10,000 gallons of water. If there is no rain, calculate the number of weeks the water will last for an input weekly water usage.

Input: The data set is on a single line. There are an unknown number of integers in the data set. The integer 0 is used to indicate the end of the data.

Output: Use all upper case letters. The output is to be formatted exactly like that for the sample output given below.

Assumptions: The weekly usage does not exceed 10,000 gallons. The 0 used to indicate the end of the data is not part of the data for the problem.

Discussion: Do not include the last week if the water remaining for that week is less than the weekly usage amount.

Sample Input:

1750 1000 4325 0

Sample Output:

1750 GALLONS PER WEEK WILL LAST 5 WEEKS
1000 GALLONS PER WEEK WILL LAST 10 WEEKS
4325 GALLONS PER WEEK WILL LAST 2 WEEKS