TATA CONSULTANCY SERVICES
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Coding Arena

<C∗deVita/>
the TCS Coding Contest

Time Left

04   **41**   **57**
hr   min   sec

A   B   C   D   E   F

Rules & Regulations

Launch Code Editor

Problem : Milk Man and His Bottles

A Milkman serves milk in packaged bottles of varied sizes. The possible size of the bottles are {1, 5, 7 and 10} litres. He wants to supply desired quantity using as less bottles as possible irrespective of the size. Your objective is to help him find the minimum number of bottles required to supply the given demand of milk.

Input Format:

First line contains number of test cases N
Next N lines, each contain a positive integer L_i which corresponds to the demand of milk.

Output Format:

For each input L_i, print the minimum number of bottles required to fulfill the demand

Constraints:

1 <= N <= 1000

L_i > 0

1 <= i <= N

Sample Input and Output

SNo.	Input	Output
1	2 17 65	2 7

Explanation:

Number of test cases is 2

1. In first test case, demand of milk is 17 litres which can be supplied using minimum of 2 bottles as follows
   - 1 x 10 litres and
   - 1 x 7 litres
2. In second test case, demand of milk is 65 litres which can be supplied using minimum of 7 bottles as follows
   - 6 x 10 litres and
   - 1 x 5 litres

Note:

Please do not use package and namespace in your code. For object oriented languages your code should be written in one class.

Note:

Participants submitting solutions in C language should not use functions from <conio.h> / <process.h> as these files do not exist in gcc

Note:

For C and C++, return type of main() function should be int.

Submit Answer

☐ I , **ABHISHEK SARKAR** confirm that the answer submitted is my own.

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