

[Switch to Non-IDE mode](#)Contest Code: [JUNE222D](#) Problem Code: [ACS](#)

There are 10 problems in a contest. You know that the score of each problem is either 1 or 100 points.

Chef came to know the total score of a participant and he is wondering how many problems were actually solved by that participant.

Given the total score  $P$  of the participant, determine the number of problems solved by the participant. Print  $-1$  in case the score is invalid.

**Input Format**

- First line will contain  $T$ , number of test cases. Then the test cases follow.
- Each test case contains of a single line containing a single integer  $P$  - denoting the number of points scored by the participant.

**Output Format**

For each testcase, output the number of problems solved by the participant or  $-1$  if the score is invalid.

**Constraints**

- $1 \leq T \leq 1000$
- $0 \leq P \leq 1000$

**Sample Input 1**

```
5
103
0
6
142
1000
```

**Sample Output 1**

```
4
0
6
-1
10
```

**Explanation**



**Test Case 1:** The participant has solved 4 problems out of which 3 problems are worth 1 point each while 1 problem is worth 100 points.

**Test Case 2:** Since participant's score is 0, he solved 0 problems.

**Test Case 3:** The participant has solved 6 problems out of which all the problems are worth 1 point.

**Test Case 4:** It is not possible to get a score of 142.

**Test Case 5:** The participant solved all the 10 problems and score of all the problems is 100.

Status Correct Answer  Time 0.14 sec Solution [67528910](#) 

Sub-Task	Task #	Result (time)
1	1	AC (0.076006)
1	2	AC (0.137419)
Subtask Score: 100.00%		Result - AC
Total Score = 100.00%		

JAVA   Code gets autosaved every second    


```
1  /* package codechef; // don't place package name! */
2
3  import java.util.*;
4  import java.lang.*;
5  import java.io.*;
6
7  /* Name of the class has to be "Main" only if the class is public. */
8  class Codechef
9  {
10     public static void main (String[] args) throws java.lang.Exception
11     {
12         Scanner sc = new Scanner(System.in);
13         int n = sc.nextInt();
14         for(int i = 0; i < n; i++){
15             int score = sc.nextInt();
16             int num = (score / 100);
17             num += (score - num * 100);
18             if(num > 10){
19                 System.out.println(-1);
20             }
21             else{
22                 System.out.println(num);
23             }
24         }
25     }
26 }
27
```

15:24 

Open File Run Submit

Custom Input

5  
103  
0  
6  
142  
1000

Status Successfully executed Date 2022-06-24 15:59:22 Time 0.134124 sec Mem 38672 kB 

Input

5  
103  
0  
6  
142  
1000

Output

4  
0  
6  
-1  
10

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