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Modulo

| Problem Code: **NSIT13**

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Given two integers 'A' and 'B', A MOD B is the remainder of the operation A / B.

For example,  
7 MOD 3 = 1  
14 MOD 3 = 2  
27 MOD 3 = 0  
38 MOD 3 = 2

Your program should accept 10 non-negative integers as input and output the number of distinct non-negative integers in the input, if they are considered MOD 42.

Input

The input has 10 test cases. Each Test Case contains 10 non-negative integers, each smaller than 1000, one per line.

Output

Output the number of distinct values when considered MOD 42, one per line for each test case.

Example

**Input :**  
39  
40  
41  
42  
43  
44  
82  
83  
84  
85  
... 9 more cases

**Output :**  
6  
... 9 more answers

All submissions for this problem are available.

|               |  |
|---------------|--|
| Author:       | <a href="#">admin</a>  |
| Tags:         | <a href="#">admin</a>  |
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