**Interview testing**

**Description**:

A valid credit card from **ABCD Bank** has the following characteristics:

► It must start with a 4, 5 or 6.   
► It must contain exactly 16 digits.   
► It must only consist of digits (0-9).   
► It may have digits in groups of 4, separated by one hyphen **"-"**.   
► It must **NOT** use any other separator like ' ', '\_', etc.   
► It must **NOT** have 4 or more consecutive repeated digits.

**Example:**

**Valid**:

4253625879615786

4424424424442444

5122-2368-7954-3214

**Invalid**:

42536258796157867 #17 digits in card number → Invalid

4424444424442444 #Consecutive digits are repeating 4 or more times → Invalid

5122-2368-7954 - 3214 #Separators other than '-' are used → Invalid

44244x4424442444 #Contains non digit characters → Invalid

0525362587961578 #Doesn't start with 4, 5 or 6 → Invalid

**Questions:**

* Implement the class and Unit Test for class to verify the credit with input, constraint and output as below.

**Input Format**

The first line of input contains an integer N  
The next N lines contain credit card numbers.

**Constraints:**

0 < N < 100

**Output format**

Print ‘Valid’ if the credit card number is valid. Otherwise, print ‘Invalid’. Do not print the quotes

**Example test:**

***Sample Input***

6

4123456789123456

5123-4567-8912-3456

61234-567-8912-3456

4123356789123456

5133-3367-8912-3456

5123 - 3567 - 8912 - 3456

***Sample Output:***

Valid

Valid

Invalid

Valid

Invalid

Invalid