A palindrome is a word, phrase, number, or other sequence of characters which reads the same backward as forward. Examples of numerical palindromes are:

2332   
110011   
54322345

For a given number num, write a function to test if the number can be rearranged to form a numerical palindrome or not and return a boolean (true if it can and false if it cannot). For this kata, single digit numbers will NOT be considered numerical palindromes.

Return "Not valid" if the input is not an integer or is less than 0.

palindrome(5) => false

palindrome(2121) => true

palindrome(1331) => true

palindrome(3357665) => true

palindrome(1294) => false

palindrome("109982") => "Not valid"

Other Kata in this Series:

[Numerical Palindrome #1](https://www.codewars.com/kata/58ba6fece3614ba7c200017f)   
[Numerical Palindrome #1.5](https://www.codewars.com/kata/numerical-palindrome-number-1-dot-5)   
[Numerical Palindrome #2](https://www.codewars.com/kata/58de819eb76cf778fe00005c)   
[Numerical Palindrome #3](https://www.codewars.com/kata/58df62fe95923f7a7f0000cc)   
[Numerical Palindrome #3.5](https://www.codewars.com/kata/58e2708f9bd67fee17000080)   
[Numerical Palindrome #4](https://www.codewars.com/kata/58df8b4d010a9456140000c7)   
**Numerical Palindrome #5**

<https://www.codewars.com/kata/numerical-palindrome-number-5-1/train/javascript>

<html>

    <head>

        <title>Hola mundo</title>

        <script type="text/javascript">

**function** is\_palindrome(num) {

*//Code goes here*

**var** str = num.toString();

**return** str == str.split('').reverse().join('');

            }

**function** palindrome(num) {

*//Code goes here*

**if**(!Number.isInteger(num)) **return** "Not valid";

**if**(num < 0) **return** "Not valid";

**if**(num < 10) **return** **false**;

**var** s = num.toString();

                 diccio = {};

**for**(**var** i =0; i<s.length; i++) {

**var** ch = s.charAt(i);

**if**( diccio[ch]) {

                        diccio[ch]++;

                    }**else**{

                        diccio[ch]=1;

                    }

                 }

**var** impares =0;

**for**(**var** key **in** diccio) {

**if**(diccio[key] %2 !=0) {

                        impares++;

                    }

                 }

**if**(impares > 1) {

**return** **false**;

                 }

**return** **true**;

            }

            palindrome(12344444455);

        </script>

    </head>

    <body>

    </body>

</html>