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, return its closest numerical palindrome which can either be smaller or larger than num. If there are 2 possible values, the larger value should be returned. If num is a numerical palindrome itself, return it.

For this kata, single digit numbers will NOT be considered numerical palindromes.

Also, you know the drill - be sure to return "Not valid" if the input is not an integer or is less than 0.

palindrome(8) => 11

palindrome(281) => 282

palindrome(1029) => 1001

palindrome(1221) => 1221

palindrome("1221") => "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**   
[Numerical Palindrome #5](https://www.codewars.com/kata/58e26b5d92d04c7a4f00020a)

FUNDAMENTALS

<https://www.codewars.com/kata/numerical-palindrome-number-4/train/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(num < 0) return 'Not valid';

if (typeof num === 'string' || num instanceof String)

return 'Not valid';

var post = num;

while(!is\_palindrome(post) || post.toString().length == 1) {

post++;

}

/\*

document.write(post);

document.write("<br/>");

\*/

if(num.toString().length == 1) {

return post;

}

var pre = num;

while (!is\_palindrome(pre) ) {

pre--;

}

if(post - num <= num - pre) {

return post;

}

return pre;

}