Make Palindrome By Reversing

Problem Submissions

Write a code that does the following :

```
iterations = 0
number = input()
while iterations < 5:
    number = number + number.reverse()
    if number is palindrome :
        print number
        print "YES"
    iterations++;
print "NO"
```

Input Format

One number N.

Solved: 716
Attempted: 722

Constraints

1 <= N <= 10^5

Output Format

One number, the final palindrome if possible then YES. If not possible then only a NO.

Sample Input 0

```
32
```

Sample Output 0

```
55
YES
```

Explanation 0

32 + 23 = 55 which is a palindrome

Sample Input 1

```
39
```

Sample Output 1

```
363
YES
```

Explanation 1

39 + 93 = 132 132 + 231 = 363 which is a palindrome

Submissions: 596
Max Score: 50

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Current Buffer (saved locally, editable)

Python 3

```
iterations = 0
n = int(input())
while iterations < 5:
    k=str(n)
    n = int(k)+int(k[::-1])
    k=str(n)
    if k==k[::-1] :
        print(n)
        print ("YES")
        break
    iterations+=1
else:
    print ("NO")

```

Line: 14 Col: 1

Upload Code as File

Test against custom input

Run Code

Submit Code