

Question Code: HACK01AD09

Contest: HACKATHON

Raju and Ravi are playing Numbers Game.

Raju will say one number to Ravi. Then Ravi has to tell the next number which is obtained by those digits.

Suppose Raju said the number is 19234.

Then Ravi has to tell the next number is 19324.

If Raju said the number is 43210.

Then Ravi has to tell NONE.

Because the next number is not available by those five digits.

Constraints:

$$0 \leq n \leq 10^{18}$$

where n is the given number.

Sample Input:

1243

Sample Output:

1324

Sample Input:

43210

Sample Output:

NONE