

One morning, completely by chance, Mirko found a positive integer  $N$  in the middle of the street. Since Mirko adores the number 30, he wants to know the maximum multiple of the number 30 that can be obtained by *shuffling* the digits of the number he found in the street.

Help our hero and write a programme that calculates that number (if it exists).

### INPUT

The first and only line of input contains the integer  $N$ , consisting of at most  $10^5$  digits.

### OUTPUT

The first and only line of output must contain the required number from the task, if it exists. If it doesn't exist, output -1.

### SAMPLE TEST DATA

<b>input</b> 30	<b>input</b> 102	<b>input</b> 2931
<b>output</b> 30	<b>output</b> 210	<b>output</b> -1