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CODEKATA

numbers 16

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numbers

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You are given a very long integer. Your task is to determine the smallest possible number such that sum of factorial of digits results back in 'n'. Print -1 if no number is possible

Input Description:

You are given a number 'n'

Output Description:

Print the smallest number

Sample Input :

145

Sample Output :

145

Code Editor

PYTHON 3



```
5 i = 1
6 while(k<=n):
7     k = k*i
8     i = i+1
9     k = k//(i-1)
10    s = s+str(i-2)
11    n= n-k
12    if n == 0:
13        break
14    print(s[::-1])
15
```

Run code 61

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