---'For loop with range'--------------------

#task1

"""Given two integers A and B (A<= B).

#Print all numbers from A to B inclusively."""

a=int(input())

b=int(input())

#int, because a, b==numbers

for i in range(a,b+1):

print(i)

#task2

"""Given two integers A and B. Print all numbers from A to B inclusively, in increasing order, if A < B, or in decreasing order, if A>= B"""

a=int(input())

b=int(input())

#int, because a, b==numbers

if a<=b:

for i in range(a,b+1):

print(i)

else:

for i in range(a,b-1,-1):

print(i)

#task3

"""10 numbers are given in the input. Read them and print their sum. """

# Use as few variables as you can

sum=0

for i in range(10):

sum+=int(input())

print(sum)

#task4

"""N numbers are given in the input. Read them and print their sum."""

sum=0

n=int(input())

#int, because n==numbers

for i in range(n):

sum+=int(input())

print(sum)

#task5

"""For the given integer N calculate the following sum of cubes."""

sum=0

n=int(input())

#int, because n==numbers

for i in range(n+1):

sum+=i\*\*3

print(sum)

#task6

"""In mathematics, the factorial of of an integer n, denoted by n! is the following product:n!=1\*2\*…\*n"""

# Don't use math module in this exercise

n=int(input())

#int, because n==factorial

sum=1

for i in range(n):

sum\*=i+1

print(sum)

#task7

"""Given N numbers: the first number in the input is N, after that N integers are given. Count the number of zeros among the given integers and print it."""

# need to count the number of numbers that are equals to zero, not the number of zero digits

n=int(input())

#int, because n==numbers

sum=0

for i in range(n):

x=int(input())

if x==0:

sum+=1

print(sum)

#task8

"""For given integer n compute the sum 1!+2!+3!+...+n!1!+2!+3!+...+n!."""

#This problem has a solution with only one cycle, so try to discover it. And don't use the math library :)

n=int(input())

sum=0

for i in range(n):

fact=1

for j in range(i+1):

fact\*=j+1

sum+=fact

print(sum)

#task9

"""There was a set of cards with numbers from 1 to N. One of the card is now lost. Determine the number on that lost card given the numbers for the remaining cards."""

#Given a number N, then N − 1 integers - numbers on remaining cards (distinct integer in range from 1 to N). Your program should print a number on the lost card

n=int(input())

summ=0

needed\_sum=0

for i in range(n-1):

summ+=int(input())

needed\_sum+=i+1

needed\_sum+=n

print(needed\_sum-summ)

#task10

"""For given integer n ? 9 print a ladder of n steps. The k-th step consists of the integers from 1 to i without spaces between them."""

#To do that, you can use the sep and end arguments for the function print().

n=int(input())

for i in range(n):

for j in range(i+1):

print(j+1,end='')

print()