[**Series - 1**](https://snakify.org/lessons/for_loop_range/problems/series_1/)

"""

**Given two integers A and B (A ≤ B). Print all numbers from A to B inclusively.**

"""

# Read an integer:

# a = int(input())

a=int(input())

# b = int(input())

b=int(input())

# Print a value:

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

# print(i)

print(i)

[**Series - 2**](https://snakify.org/lessons/for_loop_range/problems/series_1/)

"""

**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.**

"""

# Read an integer:

# a = int(input())

a=int(input())

# b = int(input())

b=int(input())

if a<=b:

#if A < B

# Print a value

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

# print(i)

print(i)

else:

#if A ≥ B

# Print a value

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

# print(i)

print(i)

[**Series - 3**](https://snakify.org/lessons/for_loop_range/problems/series_1/)

"""

**Given two integers A and B, A> BA> B. Bring all the odd numbers from A to B inclusive. In this task, you can do without if statement.**

"""

# Read an integer:

# a = int(input())

a=int(input())

# b = int(input())

b=int(input())

# Print a value:

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

if i%2!=0:

# print(i)

print(i)

[**Sum of ten numbers**](https://snakify.org/lessons/for_loop_range/problems/sum_of_ten_numbers/)

"""

**10 numbers are given in the input. Read them and print their sum. Use as few variables as you can.**

"""

#Read them and print their sum:

sum=0

for i in range(10):

# Print a value:

sum+=int(input())

# print(sum)

print(sum)

## Sum of N numbers

"""

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

"""

#Read them and print their sum:

sum=0

# n=int(input())

n=int(input())

# Print a value:

for i in range(n):

sum+=int(input())

# print(sum)

print(sum)

## Sum of cubes

"""

**For the given integer N calculate the following sum:1^3+2^3+3^3+...+n^3.**

"""

#Calculate the following sum:

sum=0

# n=int(input())

n=int(input())

# Print a value

for i in range(n+1):

sum+=i\*\*3

# print(sum)

print(sum)

## Factorial

"""

**In mathematics, the factorial of of an integer nn, denoted by n!n! is the following product:**

**n!=1×2×…×nn!=1×2×…×n**

**For the given integer nn calculate the value n!n!. Don't use math module in this exercise.**

"""

#Calculate the amount of:

# n=int(input())

n=int(input())

#Read them and print their sum

sum=1

# Print a value

for i in range(n):

sum\*=i+1

# print(sum)

print(sum)

[**The sum of the factorials**](https://snakify.org/lessons/for_loop_range/problems/sum_of_factorials/)

"""

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

"""

#Calculate the amount of:

# n=int(input())

n=int(input())

#Read them and print their sum

sum=0

# Print a value

for i in range(n):

fact=1

# Print a value

for j in range(i+1):

# Print a value

fact\*=j+1

sum+=fact

# print(sum)

print(sum)

[**The number of zeros**](https://snakify.org/lessons/for_loop_range/problems/how_many_zeroes/)

"""

**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.**

**You need to count the number of numbers that are equals to zero, not the number of zero digits.**

"""

#Calculate the amount of:

# n=int(input())

n=int(input())

#Read them and print their sum

sum=0

# Print a value

for i in range(n):

x=int(input())

if x==0:

#x=0

sum+=1

# print(sum)

print(sum)

[**Ladder**](https://snakify.org/lessons/for_loop_range/problems/ladder/)

"""

**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().**

"""

#Print a ladder of n steps:

# n=int(input())

n=int(input())

# Print a value

for i in range(1, n + 1):

# Print a value

for j in range(1, i + 1):

# print(j, sep='', end='')

print(j, sep='', end='')

# print()

print()

## Lost card

"""

**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.**

"""

#Program should print a number on the lost card:

# n=int(input())

n=int(input())

summ=0

needed\_sum=0

# Print a value

for i in range(n-1):

summ+=int(input())

needed\_sum+=i+1

needed\_sum+=n

# print(needed\_sum-summ)

print(needed\_sum-summ)