arr = list(map(int,input().split(', ')))

n = len(arr)

prefix\_sum = [0] \* (n + 1)

prefix\_sum[0] = arr[0]

for i in range(n):

prefix\_sum[i + 1] = prefix\_sum[i] + arr[i]

print(prefix\_sum)

for i in range(n):

for j in range(i, n):

diff = prefix\_sum[i] - prefix\_sum[j + 1]

# print(f"i={i}, j={j}: prefix\_sum[i] - prefix\_sum[j+1] = {diff}")

def query\_subarray\_sum(arr,queries):

n = len(arr)

ps = [0 for i in range(n)]

for i in range(n):

if i ==0:

ps[i] = arr[i]

else:

ps[i] = ps[i-1] + arr[i]

for query in queries:

i = query[0]

j= query[1]

if i==0:

print(ps[j] -ps[i-1],end=" ")

def sub\_array(arr, k):

if k <= 0 or k > len(arr):

return None

max\_sum = sum(arr[:k])

max\_subarray = arr[:k]

current\_sum = max\_sum

current\_subarray = max\_subarray

for i in range(k, len(arr)):

current\_sum = current\_sum + arr[i] - arr[i - k]

current\_subarray = current\_subarray[1:] + [arr[i]]

if current\_sum > max\_sum:

max\_sum = current\_sum

max\_subarray = current\_subarray

return max\_subarray

arr = [-2, 10, 3, 4, 2, -4, -6, 34, 2]

k = 3

result = sub\_array(arr, k)

print(result)

def sliding\_window(arr,k):

\_sum= 0

ps =0

i,j = 0,k-1

while j<len(arr):

if i==0:

\_sum = sum(arr[i:j+1])

ps = \_sum

else:

cs = ps -arr[i-1] + arr[j]

\_sum = max(\_sum,cs)

ps = cs

i +=1

j +=1

return \_sum

print(sliding\_window([-2, 10, 3, 4, 2, -4, -6, 34, 2],3))

def max\_sub\_array(arr):

if not arr:

return None

max\_sum = arr[0]

current\_sum = arr[0]

start = end = 0

current\_start = 0

for i in range(1, len(arr)):

if arr[i] > current\_sum + arr[i]:

current\_sum = arr[i]

current\_start = i

else:

current\_sum += arr[i]

if current\_sum > max\_sum:

max\_sum = current\_sum

start = current\_start

end = i

return arr[start:end + 1]

arr = [-2, 10, 3, -4, 2, 4, -6, 34, 2,87,-118]

result = max\_sub\_array(arr)

print(result)

def kadnes(arr):

\_sum= float("-inf")

cs = arr[0]

n = len(arr)

for i in range(1,n):

if cs<0:

cs = 0

cs = cs +arr[i]

if arr[i] < 0:

\_sum = max(\_sum,cs+arr[i])

return max(\_sum,cs)

print(kadnes([-1,-2,3,-4,-6,18,65,110]))