# Enter your code here. Read input from STDIN. Print output to STDOUT

#Input

x = int(raw\_input())

y = int(raw\_input())

z = int(raw\_input())

N = int(raw\_input())

#Solve

arr = [[X, Y, Z] for X in range(x+1) for Y in range(y+1) for Z in range(z+1) if X + Y + Z != N]

#Output

print(arr)