# subtraction of two matrices

row = int(input("Enter the number of rows:")) col = int(input("Enter the number of columns:"))

# Initialize matrix matrixa = [] matrixb = [] resultmatrix = []

print("Enter the entries row wise:")

# For user input

print("Enter the entries for matrix A :\n")

for i in range(row): # A for loop for row entries a = []

for j in range(col): # A for loop for column entries a.append(int(input()))

matrixa.append(a) print(matrixa)

# For printing first matrix print("First matrix :\n") for i in range(row):

for j in range(col): print(format(matrixa[i][j],"<3"), end=" ")

print()

print("Enter entries for matrix B:\n")

for i in range(row): # A for loop for row entries a = []

for j in range(col): # A for loop for column entries a.append(int(input()))

matrixb.append(a)

# For printing second matrix print("Second matrix is:\n") for i in range(row):

for j in range(col): print(format(matrixb[i][j],"<3"), end=" ")

print()

# For matrix subtraction for i in range(row):

a = []

for j in range(col):

a.append(matrixa[i][j] - matrixb[i][j]) resultmatrix.append(a)

print("Subtraction of both matrix is:\n") # For printing the result matrix

for i in range(row):

for j in range(col): print(format(resultmatrix[i][j],"<3"), end=" ")

print()