‘’’

this implementation is not correct

’’’

import numpy as np

n = 10

data = range(n\*n)

matrix = np.asarrary(data)

matrix = matrix.reshape((n, n))

print(matrix)

for i in range(n/2):

last = n – 1 – i

for j in range(i, last):

offset = j - i

temp = matrix[i, j]

# left to top

matrix[i,j] = matrix[last-offset, i]

# bottom to left

matrix[last-offert, i] = matrix[last, last - offset]

# right to bottom

matrix[last, last - offset] = matrix[i, last]

# set right value

matrix[i, last] = temp

print(matrix)