1,

Rows, cols = 5, 5

Matrix = []

Num = 1

for I in range(rows):

Row = [num + j if I % 2 == 0 else num + (cols – 1 – j) for j in range(cols)]

Matrix.append(row)

Num += cols

for row in matrix:

Print(\*row)

2,

def collatz\_recursive(n, steps=0):

if n == 1:

Return steps

if n % 2 == 0:

Return collatz\_recursive(n // 2, steps + 1)

else:

Return collatz\_recursive(3 \* n + 1, steps + 1)

N = 12

Print(f”{n} steps to reach 1:”, collatz\_recursive(n))