3. The numbers in the table below are the result of executing an algorithm that has one parameter N, a non-negative integer, and produces sequences of integers as outputs. For values of N from 0 to 5, the algorithm produces the following sequences of numbers as outputs.

1 point

N	output
0	
1	0 1
2	0 2 2 3
3	0 2 4 3 4 5
4	02464567
5	0246856789

Determine the algorithm that was used to generate the numbers in this table, and

- 1. Write it down.
- 2. Execute it for N = 6, and write down your result.
- 3. Give your description of the algorithm to a friend who is not a programmer, and ask him or her to execute it for N = 6.

What is the sequence of numbers for N = 6? (Give your answer as integers separated by single spaces.)

024681067891011