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:

| N | output |
|---|---|
| 0 | |
| 1 | -1 0 3 |
| 2 | -4 -3 0 5 12 21 |
| 3 | -9 -8 -5 0 7 16 27 40 55 |
| 4 | -16 -15 -12 -7 0 9 20 33 48 65 84 105 |
| 5 | -25 -24 -21 -16 -9 0 11 24 39 56 75 96 119 144 171 |