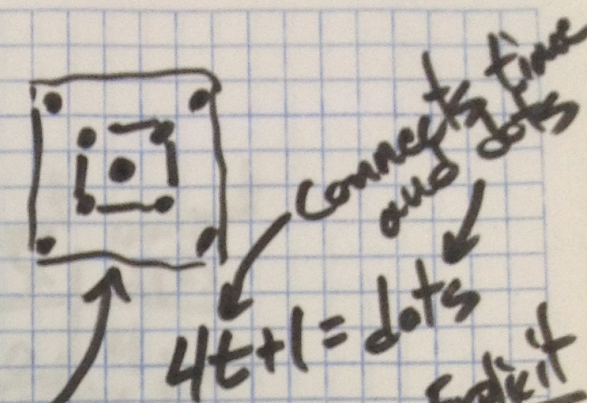
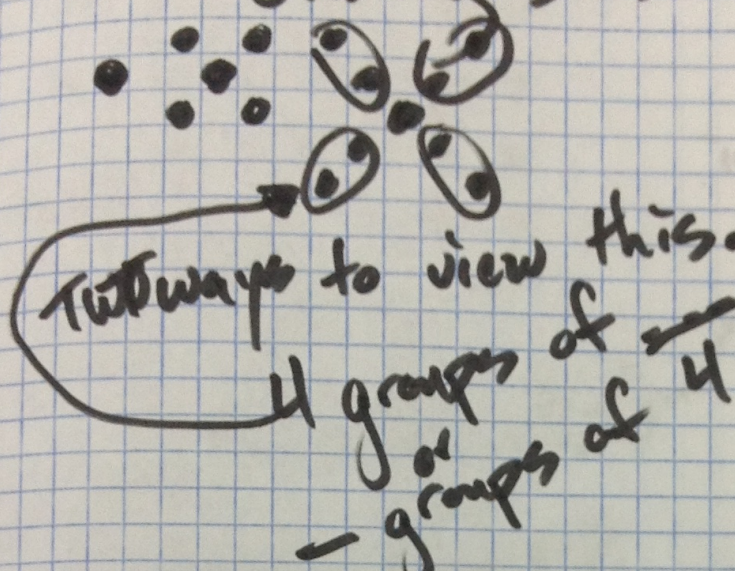


Growing Dots



$$4t + 1 = \text{dots}$$

$$d(t) = 4t + 1$$

Function Notation Explicit

Input $d(2) = 4(2) + 1$
 output $d(2) = 8 + 1$
 $d(2) = 9$

Input $d(100) = 4(100) + 1$
 output $d(100) = 400 + 1$
 $d(100) = 401$

$d(200) = 801$

minutes input → dots output

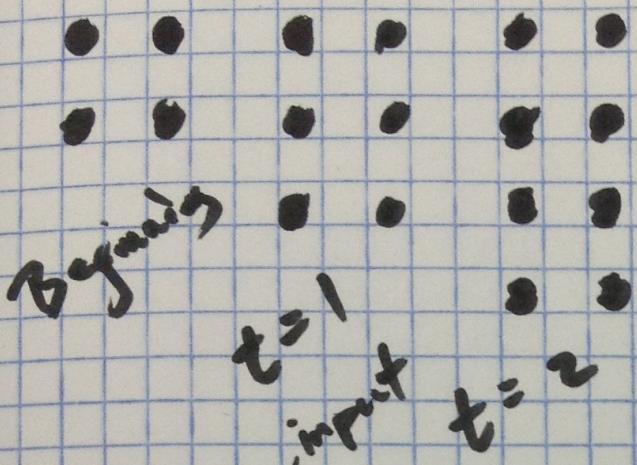
Recursive

Next = Now + 4
 Finds the next one easily.
 With this one you need all the ones in front of it.

Explicit will find large ones quickly

0	1
1	5
2	9
3	13

+4
+4



input x	output $d(x)$
0	4
1	6
2	8
3	10

$\begin{matrix} +2 \\ +2 \\ +2 \\ +2 \end{matrix}$

$2(x) + 4 = d(x)$
 $Next = Now + 2$

Explicit functions
 Connect input and
 Output. (remember Taylor's arrows)

Recursive connected
 to differences in
 table