$$1^2 = 1 = 1$$

$$2^2 = 4 = 1 + 3$$

$$3^2 = 9 = 1 + 3 + 5$$

$$4^2 = 16 = 1 + 3 + 5 + 7$$

$$5^2 = 25 = 1 + 3 + 5 + 7 + 9$$

$$\vdots$$

$$(n+1)^2 = n^2 + 2n + 1$$

$$\Downarrow$$

$$(n+1)^2 - n^2 = 2n+1$$

$$1^2 = 1 = 1$$

$$2^2 = 4 = 1 + 3$$

$$3^2 = 9 = 1 + 3 + 5$$

$$(n+1)^2 = n^2 + 2n + 1$$

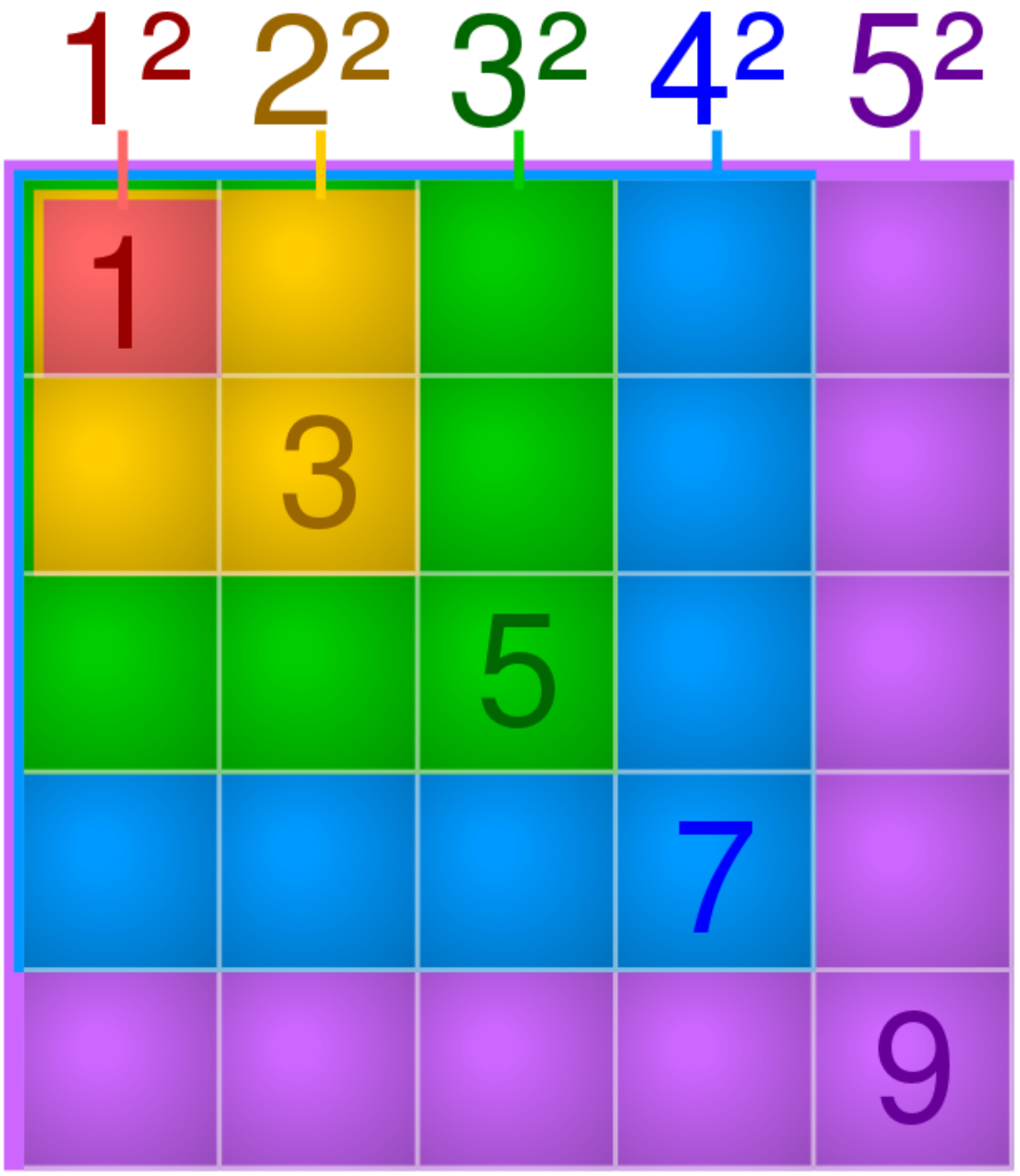
$$\Downarrow$$

$$(n+1)^2 - n^2 = 2n + 1$$

$$4^2 = 16 = 1 + 3 + 5 + 7$$

$$5^2 = 25 = 1 + 3 + 5 + 7 + 9$$

$$\vdots$$


1²
2²
3²
4²
5²
1
3
5
7
9