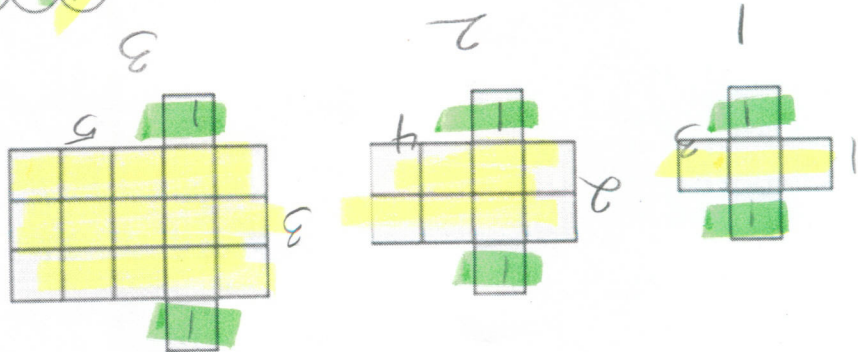


Find the rule for the patterns, and color code the figure with the terms in the rule.

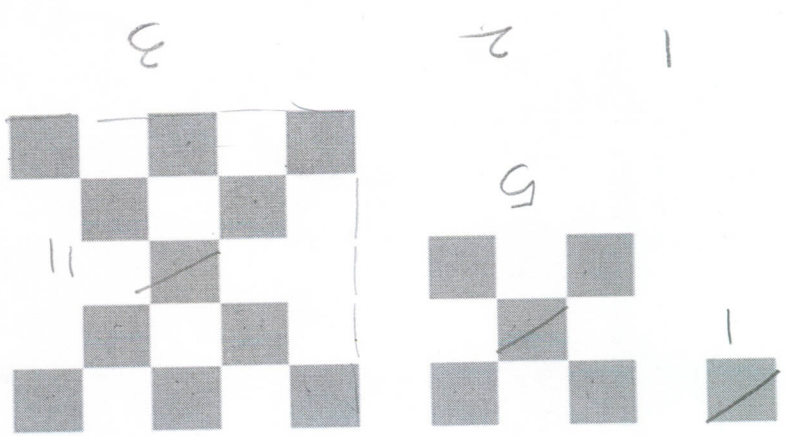
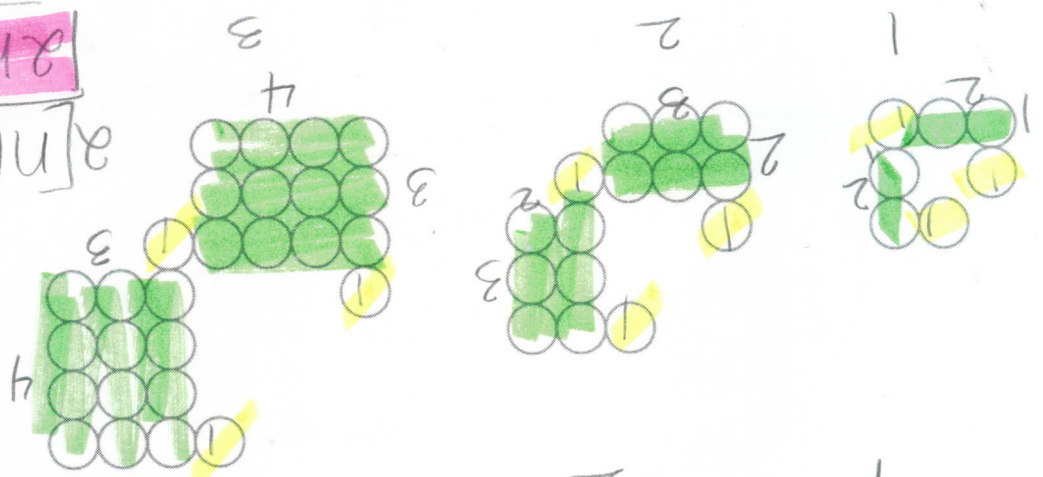
Quadratic Visual Patterns

Key

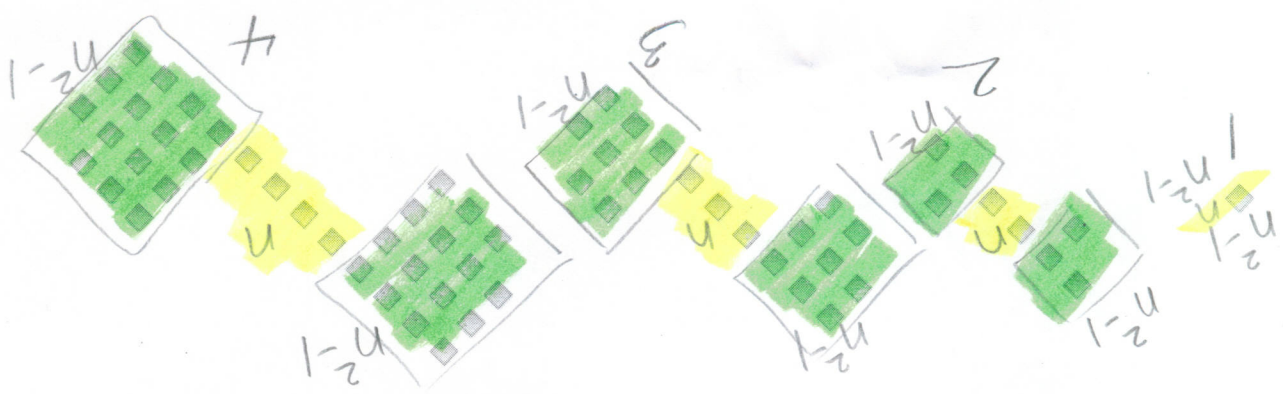
$n(n+2) + 2$
 $n^2 + 2n + 2$



$2n(n+1) + 3$
 $2n^2 + 2n + 3$



$n^2 + n - 1$
 $1 + 1 - 1 = 1$
 $4 + 2 - 1 = 5$
 $9 + 3 - 1 = 11$



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

$2n^2 + n - 2$

$3 \times 2 + 4 - 2 = 34$
 $18 + 3 - 2 = 19$