

$$f: \text{diamond with cross}$$

$$d: \text{diamond}$$

1, 3, 5

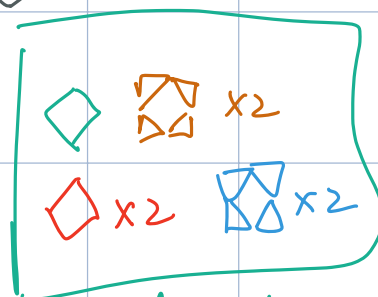
$$\text{diamond} \times 1$$

$$\text{diamond} \times 4$$

$$\text{diamond with cross} \times 3$$

$$\text{diamond with cross} \times 3$$

$$6f - d$$



$$4f - d$$

$$\text{diamond} \times 1 \quad \text{diamond with cross} \times 2$$

$$2f - d.$$

$$1. d$$

$$2. d + 4f$$

$$3. d + 4f + 8f$$

$$4. d + 4f + 8f + 12f$$

$$a_n = a_{n-1} + 4(n-1)$$

$$a_1 = 0 \quad a_2 = 4 \quad a_3 = 12 \quad a_4 = 24.$$

$$a_n = 4(n-1) + 4(n-2) + \dots + 4 + 0$$

$$= 4[0 + \dots + (n-1)]$$

$$= 4 \frac{(n-1)n}{2}$$

$$= 2(n-1)n.$$

$$\begin{matrix} 0 & + & 8 & + & 16 & + & 24 \\ 1,2 & & 3,4 & & 5,6 & & 7,8 \end{matrix}$$

$$\begin{matrix} 0 & + & 4 & + & 12 & + & 20 \\ 1 & & 2,3 & & 4,5 & & 6,7 \end{matrix}$$

$$\frac{[0 + 8(\lfloor (n-1)/2 \rfloor)] \lfloor (n+1)/2 \rfloor}{2}$$

$$\frac{(4 + 8(\lfloor n/2 \rfloor) - 4) \lfloor n/2 \rfloor}{2}$$