

Método inductivo

I. Analiza los casos planteados y completa los espacios en blanco:

$$F_1 = 1 \times 100 + 50$$

$$F_2 = 2 \times 99 + 49$$

$$F_3 = 3 \times 98 + 48$$

$$F_4 =$$

$$F_5 =$$

$$1^2 = 1$$

$$11^2 = 121$$

$$111^2 = 12321$$

$$1111^2 =$$

$$\textcircled{1} = 2$$

$$\textcircled{2} = 2 \left(\frac{3}{2} \right)$$

$$\textcircled{3} = 2 \left(\frac{3}{2} \right) \left(\frac{4}{3} \right)$$

$$\textcircled{4} = 2 \left(\frac{3}{2} \right) \left(\frac{4}{3} \right) \left(\frac{5}{4} \right)$$

$$\textcircled{5} = \square \left(\frac{\square}{\square} \right) \left(\frac{\square}{\square} \right) \left(\frac{\square}{\square} \right) \left(\frac{\square}{\square} \right)$$

$$\boxed{1} = 2 \times 2 - 3 \times 1$$

$$\boxed{2} = 3 \times 3 + 4 \times 2$$

$$\boxed{3} = 4 \times 4 - 5 \times 3$$

$$\boxed{4} = 5 \times 5 + 6 \times 4$$

$$\boxed{5} =$$