

How I write

= equal

→ imply

$$\frac{2s-1}{(s^0+1)(s^0-2)} = \frac{A}{s+1} + \frac{B}{s-2}$$

$$2s-1 = A(s-2) + B(s+1)$$

$$\begin{array}{l} s^1 \\ s^0 \end{array} \quad \begin{array}{l} A + B = 2 \\ -2A + B = -1 \end{array} \Rightarrow \begin{array}{l} B = 2 - 1 \\ \quad \quad \quad = 1 \end{array}$$

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$$3A = 3$$

$$A = 1$$

$$\frac{2s-1}{(s+1)(s-2)} = \frac{1}{s+1} + \frac{1}{s-2}$$

$$5/ \quad \frac{2x+1}{x^2-7x+12} = \frac{A}{x-3} + \frac{B}{x-4}$$

$$2x+1 = A(x-4) + B(x-3)$$

$$\begin{array}{l} x^1 \\ x^0 \end{array} \quad \begin{array}{l} 4A + B = 2 \\ -4A - 3B = 1 \end{array}$$

$$\begin{array}{l} x^1 \\ x^0 \end{array} \quad \begin{array}{l} 4A + B = 2 \\ -4A - 3B = 1 \end{array}$$

1

$$\underline{13 = 9}$$

$$\underline{A = 2 - 9}$$
$$\underline{= -7}$$

$$\underline{\frac{2x+1}{x^2-7x+12} = \frac{-7}{x-3} + \frac{9}{x-4}}.$$

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