How I write

= equal

→ imply

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

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

s^1 $\quad A + B = 2 \Rightarrow B = 2-1$ (A) $= 1$

s^0 $\quad -2A + B = -1$

$$3A = 3$$

$$A = 1$$

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

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

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

x^1 $\quad 4A + 4B = 8$

x^0 $\quad -4A - 3B = 1$

$B = 9$

$A = 2 - 9$

$= -7$

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