$$\frac{25-1}{(5+1)(5-2)} = \frac{1}{5+1} + \frac{3}{5-2}$$

$$25-1 = .7(5-2) + 3(5+1)$$

$$5' A + 3 = 2 - 3[3 = 2-1 = 1]$$

$$5' -24 + 13 = -1$$

$$-74 = -1$$

$$4 = 1$$

$$\frac{25-1}{(5+1)(5-2)} = \frac{1}{5+1} + \frac{1}{5-2}$$

$$A2 \frac{2s-2}{(s-u)(s+2)} = \frac{A}{s-u} + \frac{B}{s+2}$$

$$2s-2 = As+2A + as-ua$$

$$|s' A + a = 2$$

$$|s' 2A - ab = -2$$

$$|s' 2A - ab = -2$$

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

$$D = \begin{vmatrix} 0 & 2 & 1 \\ 1 & -16 & 4 \end{vmatrix} = 13 \quad A_{c} = \begin{vmatrix} 0 & 0 & 1 \\ 0 & 0 & 4 \end{vmatrix} = -4$$

$$D = \frac{13}{169} = \frac{1}{169}$$

$$D = \frac{5}{4} C = -\frac{5}{169}$$

$$A = \frac{1}{169}$$

$$A = \frac{1}{169} = \frac{1}{169}$$

$$A = \frac{1}{169} = \frac{1}{169}$$

$$A = \frac{1}{169} = \frac{1}{1$$

#6
$$(5+1)^{2}(5^{2}-u) = \frac{A}{5+2} + \frac{B}{(5+1)^{2}} + \frac{5}{5-2} + \frac{5}{5+2}$$

$$1 = A(5+1)(5^{2}-4) + B(5^{2}-4)$$

$$+ C(5+2)(5^{2}+25+2) + D(5-2)(5^{2}+25+1)$$

$$3^{2} + C + D = 0$$

$$5^{2} + A + 3+4C = 0 = 0 - 3-3C+D = 0$$

$$5^{3} - 4A + 5C - 3D = 0$$

$$-4A + 5C - 3D = 0$$

$$-4A - 4B + 2C - 2D = 1$$

$$3B = -1$$

$$3B = -1$$

$$12A - 6C + D = 0$$

$$-4A + 2C - 2D = 1 - \frac{4}{3} = -\frac{1}{3}$$

$$(12A - 6C + 6D = 1)$$

$$A + C + D = 0 \Rightarrow D = -A - C$$

$$3A + 12C = 1$$

$$-4A + 5C - 3D = 0 \Rightarrow -4A + 5C + 3A + 3C = 0$$

$$3A + 12C = 1$$

$$-A + 6C = 0$$

$$-A + 6C =$$

 $\frac{1}{(5+1)^2(5^2-u)} = \frac{-2/9}{5+1} - \frac{1/3}{(5+1)^2} - \frac{36}{5-2} + \frac{28/36}{5+2}$ 

$$\frac{49}{x^2+2x} = \frac{1}{x} + \frac{3}{x+2}$$

$$x(x+2)$$

$$1 = A(x+2) + \Delta x$$

$$x' A + B = 0 \Rightarrow A = -1/2$$

$$x'' 2A = 1 \Rightarrow A = 1/2$$

$$\frac{1}{x^2+2x} = \frac{1}{x} - \frac{1}{x+2}$$

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

$$\frac{2x+1}{2x+1} = A(x-4) + B(x-3)$$

$$x' A + B = 2 A = -7$$

$$x' A - 3B = 1 B = 9$$

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