$$\times$$
 (5) = $\frac{5+2}{5^2+45+3}$

$$X_{(5)} = \frac{5+2}{(5+1)(5+3)} = \frac{A}{5+1} + \frac{B}{5+3}$$

Pela método dos residuos:

$$A = \frac{5+2}{5+3} \bigg|_{S=-1} = \frac{1}{2}$$

$$B = \frac{5+2}{5+1} \Big|_{5=-3} = \frac{-1}{-2} = \frac{1}{2}$$

$$X_{(5)} = \frac{1/2}{(5+1)} + \frac{1/2}{(5+3)}$$

$$\pi(t+) = J^{-1} \{ \chi_{(5)} \} = \frac{1}{2} e^{-t} + \frac{1}{2} e^{-3t}$$