





$$\Rightarrow A (btiw) + B (atjw) = 1$$
if $jw = -a \Rightarrow A(b-a) = 1$

$$A = \frac{1}{b-a}$$
if $jw = -b$, $\Rightarrow B(a-b) = 1$

$$B = \frac{1}{a-b}$$

$$y(jw) = \frac{y(ba)}{atjw} + \frac{1}{a+b} = -bt$$

$$y(c) = \frac{1}{a+b} = -at$$

$$y(c) = \frac{1}{a+b} = -at$$

$$y(jw) = \frac{1}{(a+jw)^2}$$

$$y(c) = \frac{1}$$