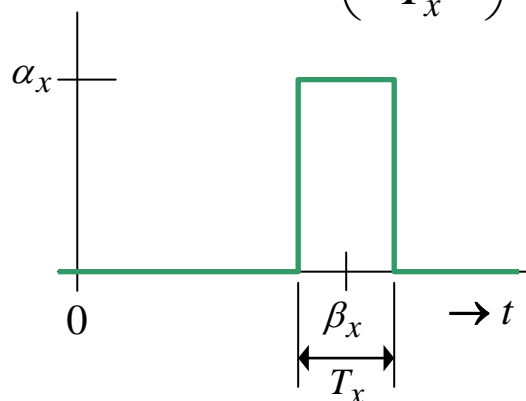
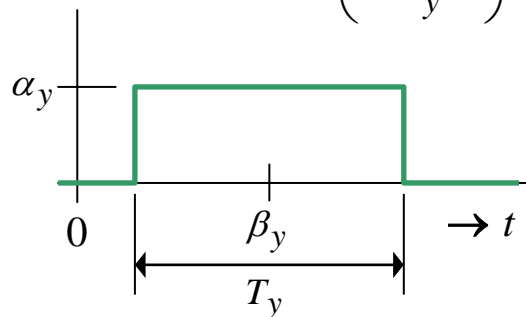


## Convolving two RECT functions

$$x(t) = \alpha_x \text{rect}\left(\frac{t - \beta_x}{T_x}\right)$$

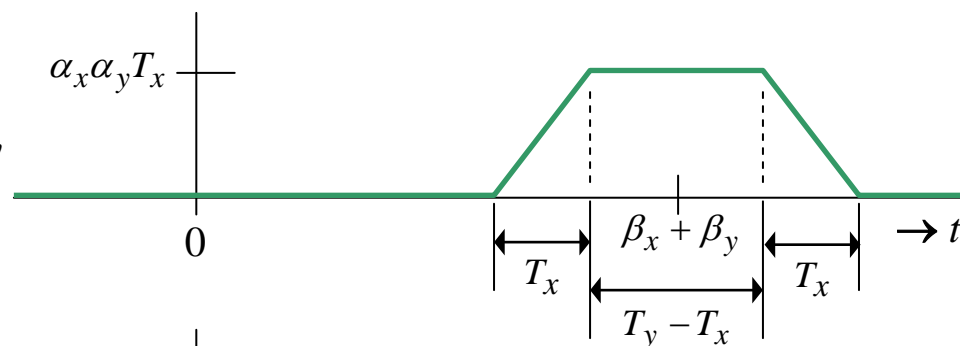


$$y(t) = \alpha_y \text{rect}\left(\frac{t - \beta_y}{T_y}\right)$$

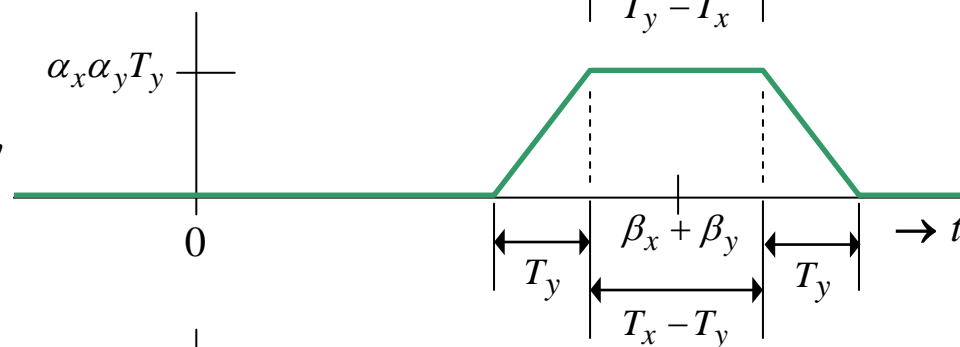


$$z(t) = x(t) * y(t) = \int_{-\infty}^{\infty} x(t - \tau) y(\tau) d\tau$$

**Case II:  $T_x < T_y$**



**Case II:  $T_x > T_y$**



**Case III:  $T_x = T_y = T$**

