

$$X(t) = U(t-n) f(t-n) + 2 f(t)$$

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

$$f(t) = e^{-2t} s_{int}$$

$$X(t) = U(t-n) e^{-2(t-n)} s_{in}(t-n) + 2 e^{-2t} s_{int}$$

$$X(t) = U(t-n) e^{-2(t-n)} s_{in}(t-n) + 2 e^{-2t} s_{int}$$

$$X(t) = U(t-n) e^{-2(t-n)} s_{in}(t-n) + 2 e^{-2t} s_{int}$$

$$X(t) = U(t-n) e^{-2(t-n)} s_{in}(t-n) + 2 e^{-2t} s_{int}$$

$$X(t) = 2 s_{in}(t-n) + 2 s_{in}(t-n) + 2 s_{in}(t-n)$$

$$X(t) = 2 s_{in}(t-n) + 2 s_{in}(t-n) + 2 s_{in}(t-n)$$

$$X(t) = 2 s_{in}(t-n) + 2 s_{in}(t-n) + 2 s_{in}(t-n)$$

$$X(t) = 2 s_{in}(t-n) + 2 s_{in}(t-n) + 2 s_{in}(t-n)$$

$$X(t) = 2 s_{in}(t-n) + 2 s_{in}(t-n) + 2 s_{in}(t-n)$$

$$X(t) = 2 s_{in}(t-n) + 2 s_{in}(t-n) + 2 s_{in}(t-n)$$

$$X(t) = 2 s_{in}(t-n) + 2 s_{in}(t-n) + 2 s_{in}(t-n) + 2 s_{in}(t-n)$$

$$F(s) = \frac{2}{s^{2} + 4s} = \frac{2}{s!(s+4)}$$

$$A + \frac{8}{s+4} = \frac{A(s+4) + 8s}{s!(s+4)} = \frac{2}{s!(s+4)}$$

$$A(s+4) + Rs = 2$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = -4 \quad B(-4) = 2 \quad B = -Vz$$

$$F(s) = \frac{1/2}{s!} + \frac{-V_2}{s+4}$$

$$F(s) = \frac{1}{s!(s+4)} e^{-rs} + \frac{2s+2}{s^{2} + 4s}$$

$$X(s) = \frac{2}{s!(s+4)} e^{-rs} + \frac{2s+2}{s^{2} + 4s}$$

$$X(s) = \frac{2}{s!(s+4)} e^{-rs} + \frac{2s+2}{s^{2} + 4s}$$

$$X(s) = F(s) e^{-rs} + 6(s)$$

$$X(t) = U(t+7) + U(t+7) + 9(t)$$

$$A + \frac{1}{s} = \frac{A(s+4) + 8s}{s^{2} + 4s} = \frac{2s+2}{s^{2} + 4s}$$

$$A(s+4) + 8s = 2s+2$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$

$$S = 0 \quad 4A = 2 \quad A = Vz$$





