

$$f(t) = e^{-2t} u(\underline{t-1})$$

$$= e^{-2(t-1)-2}$$

$$= e^{-2} u(t-1)$$

$$= e^{-2} \left[\underbrace{e^{-2(t-1)} u(t-1)}_{g(t-1)} \right]$$

$$g(t) = e^{-2t} u(t) \longleftrightarrow G(s) = \frac{1}{s+2} \quad (\text{table})$$

$$\underbrace{e^{-2}}_{=} e^{-2(t-1)} u(t-1) \longleftrightarrow \frac{1}{s+2} \underbrace{e^{-s}}_{=} \underbrace{e^{-2}}_{=}$$