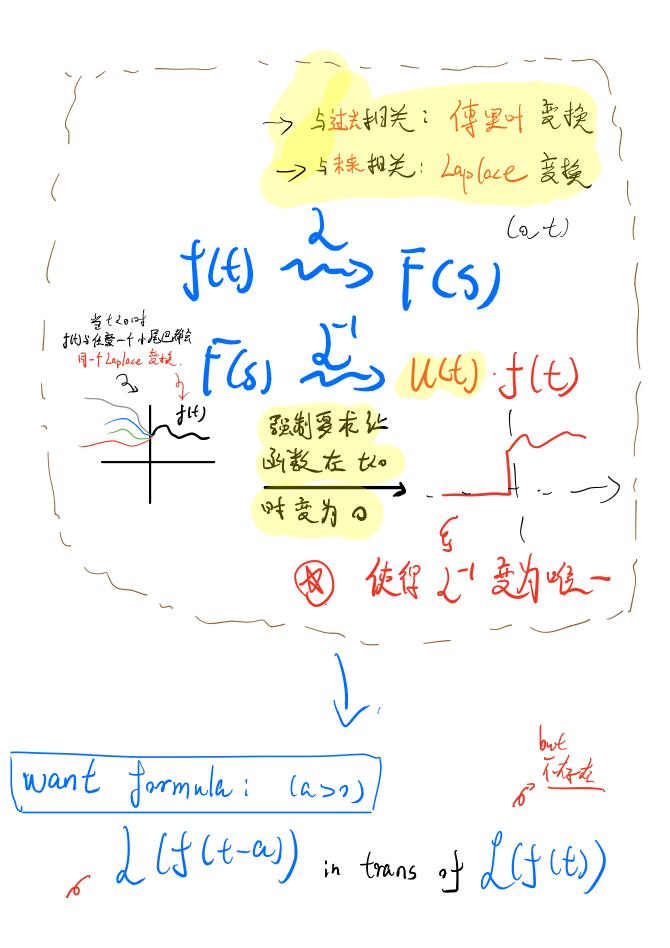
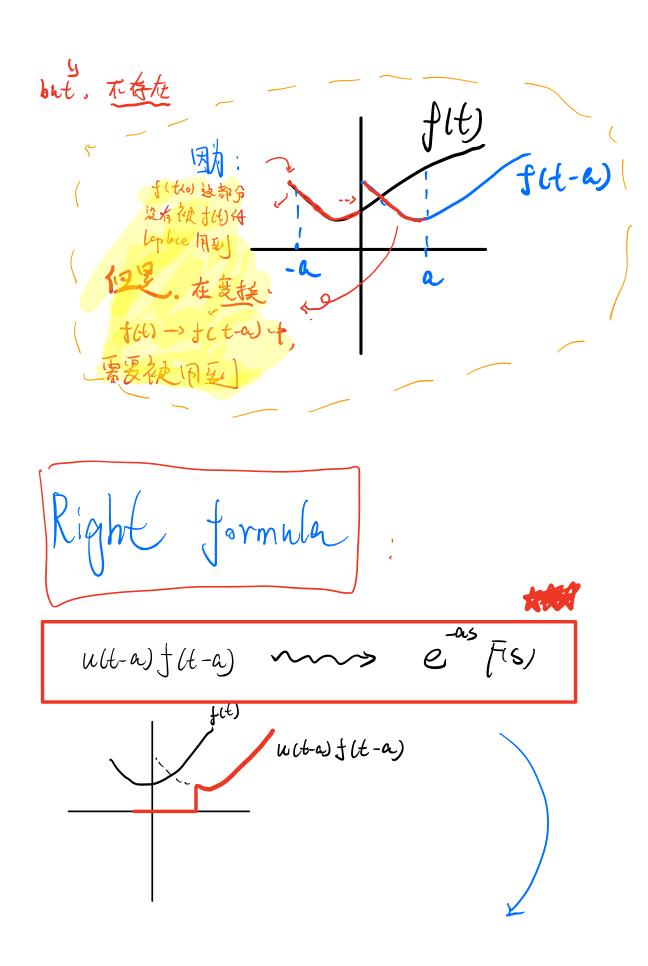
$$\int \int (u(t)) = \int_{0}^{\infty} e^{-st} u(t) dt = \frac{1}{s} \int_{0}^{\infty} s^{-st}$$

$$\int \int (\frac{1}{s}) = ?$$





## Ult-ryfe) ~~~ e (fltran) "t神平能公士"

$$\int_{0}^{\infty} e^{-st} u(t-a) f(t-a) dt \qquad \begin{cases} \frac{1}{2} t = t-a \end{cases}$$

$$= \int_{-a}^{\infty} e^{-st} u(t, t) f(t, t) dt, \qquad (a, b) = 0$$

$$\begin{cases} \frac{1}{2} e^{-st} u(t, t) = 0 \end{cases}$$

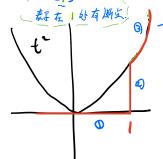
$$= e^{-as} \int_{-a}^{\infty} e^{-st} \int_{-a}^{a} \frac{ds}{u(t)} f(t) dt$$

$$= e^{-as} \int_{0}^{\infty} e^{-st_{1}} f(t_{1}) dt \qquad \text{if } u(t_{1}) = 0 \text{ for } t_{1} < 0.$$

150]; 
$$2(u(t)) = \frac{1}{5}$$
  
Mass (e -as  $\frac{1}{5}$ )  $-(e^{-bs}\frac{1}{5})$ 

$$e^{-s} \int [(\pm t U^2)] = e^{-s} \int ((\pm^2 + 2 \pm t))$$

$$= 2 \int_{-\frac{1}{5}} \left( \frac{2!}{5^3} + \frac{2}{5^2} + \frac{1}{5} \right)^{\frac{1}{5}}$$



新在1处有脚上。 有2般,有3部分, 纷从·Laplace 就有三板。

$$\frac{1}{\sqrt{5}}$$

当 必须将其 历成 伴随不同指数的变

$$= \int \left( \frac{1}{5^2 + 1} + \frac{e^{-\pi s}}{5^2 + 1} \right) \qquad \frac{1}{5^2 + 1} \sim \frac{\text{with}}{5^2 + 1} \sim \frac{\text{with}}{5^2 + 1} \sim \frac{\text{with}}{5^2 + 1} \sim \frac{\text{with}}{5^2 + 1} \sim \frac{1}{5^2 + 1} \sim \frac{1$$

$$f(t) = \begin{cases} \dot{s} + \dot{s} \\ 0 \end{cases}$$