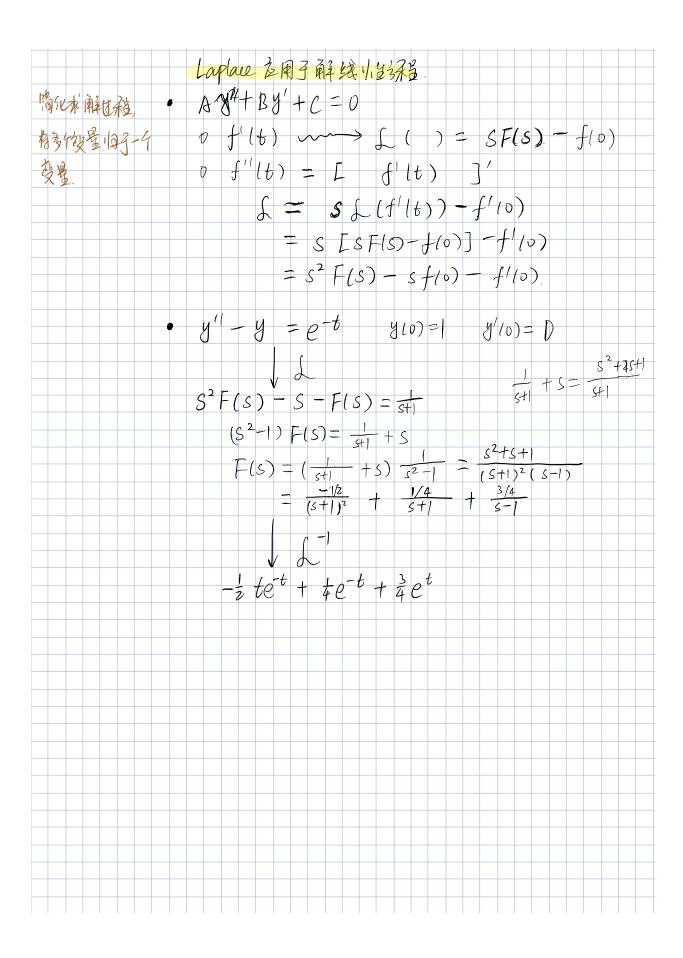
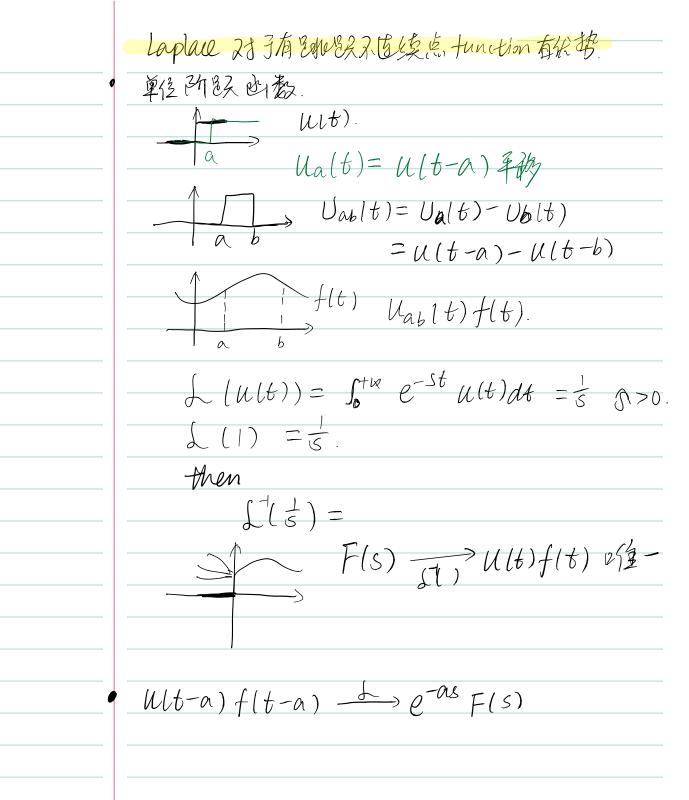
```
A(b) = \sum anb^n
  到入
                             =22a(n)b^n
                           贝图长线影响
                        \Delta(t) = \int_{0}^{t_{0}} a(t) x^{t} dt
                              = 5, to alt) (ehrs) t do
                              \int 0 dx < | \ln t > 0 \qquad | \vec{R} | S = -\ln t >
                             =\int_{0}^{+\omega} f(t) e^{-St} dt
                         F(s) = \int_{0}^{+\omega} f(t) e^{-st} dt \in Laplance = \frac{1}{2} \sqrt{R}
落杉/山美
                          0 42/14/24
                              L(f+g) = L(f) + L(g)
                           \downarrow (cg) = C \downarrow (g).
                          | \rightarrow \downarrow (|), = \frac{1}{6}.
13/13/
                        \int_{0}^{+\omega} e^{-st} dt = \lim_{\substack{k \to \infty \\ k \to \infty}} \int_{0}^{R} e^{-st} dt = \lim_{\substack{k \to \infty \\ k \to \infty}} \int_{-S}^{\infty} e^{-st} dt
                         =\frac{1}{5} \quad S>0
e^{ab}f(t) \rightarrow f(s-a)
131/22
                                                                                       5>Q
                          131123
                          \cos at = \frac{1}{2} (e^{+iat} + e^{-iat})
                                Stu cosate-st dt
                                = \pm \int_{0}^{+\infty} (e^{-i\alpha t} + e^{i\alpha t}) e^{-st} dt
                                =\frac{1}{2}\left(\frac{1}{s+ia}+\frac{1}{s+ia}\right)
```





$$E(t) = \int t dF(t)$$
 期望で決さ、
$$E(t^2) = \int t^2 dF(t)$$

$$E(t^k) = \int t^k dF(t)$$

名巨城山あ

 $\psi_{s(t)} = E(e^{ts}) = \int e^{ts} dF_{x(s)} = \int e^{ts} f_{x(s)} ds$ $\psi'_{s(0)} = \int x e^{ts} dF_{x(s)} = \int b dF_{x(s)} = E(x)$ $\psi_{x}^{(k)}(0) = \int x^{k} dF_{x(s)} = E(x^{k}).$

 $\int_{C} (t) = E[e^{-tx}] = \int_{C} e^{tx} dF_{x}(t)$ ####function.

 $L(\mu,t) = \int e^{-t} P(-tt) \mu(dt)$ 健し短痒调, n所弱, L(0)=1

池魔 def

 $g(0, \vee) \rightarrow R$ 无穷阶号, $(-1)^{n}g^{(n)}(\lambda) > 0$ $n \in NU\{0\}$ 图 $\lambda > 0$.

 $\begin{cases} g(t) & 30 \\ g'(t) & \leq 0 \\ g'(t) & 30 \end{cases}$

東理 (Bernstem): 若月: (0, +6)→尺見 完全調画数, 12位-冰川度 川、対チ [0, 14) 为 Laplace 変換. $g(\lambda) = \int_{0}^{\kappa} e^{t} p(-\lambda t) \mu(dt) = \int_{0}^{\kappa} (\mu, \lambda)$

が記:
$$g(0+)=1$$
 $g(+\omega)=0$ $\mu(dt)=F(dt)$ $g(\lambda)=\int e^{t}P(-\lambda t)dF(t)$.

28/19/2 .

$$g(\lambda) = \sum_{k=0}^{n-1} \frac{g(k)(a)}{k!} (\lambda - a)^k + \int_{a}^{\lambda} \frac{g(n)(s)}{(n-1)!} (\lambda - s)^{n-1} ds$$

$$= \sum_{k=0}^{n-1} \frac{g(k)(a)}{k!} (a - \lambda)^k + \int_{a}^{\lambda} \frac{g(n)(s)}{(n-1)!} (s - \lambda)^{n-1} ds$$

$$= \int_{a}^{\infty} \frac{(-1)^n g^{(n)}(s)}{(n-1)!} (s - \lambda)^{n-1} ds$$

$$= \int_{a}^{\infty} \frac{(-1)^n g^{(n)}(s)}{(n-1)!} (s - \lambda)^{n-1} ds$$

≤ \$(t)

$$\begin{array}{cccc}
& P_{k}(\lambda) = \lim_{\alpha \to \infty} \frac{(-1)^{k} g^{(k)}(\alpha)}{k!} (a-\lambda)^{k} & \text{if } \overline{p} \\
& P_{k}(v) = \lim_{\alpha \to \infty} \frac{(-1)^{k} g^{(k)}(\alpha)}{k!} (a-v)^{k} \\
& = \lim_{\alpha \to \infty} \frac{(-1)^{k} g^{(k)}(\alpha)}{k!} \frac{(a-v)^{k}}{(a-\lambda)^{k}} (a-\lambda)^{k}
\end{array}$$

 $= \rho_k(\lambda)$

$$g(\lambda) = z \binom{k}{k} + \int_{\lambda}^{w} \frac{(-1)^{n} g^{(n)}(s)}{(n-1)!} (s-\lambda)^{n-1} ds$$

$$g(\lambda) = \int_{\lambda}^{\infty} \frac{(-1)^n g^{(n)}(s)}{(n-1)!} (s-\lambda)^{n-1} ds.$$

$$\Leftrightarrow g(\lambda) = \int_{0}^{\pi} (1 - \frac{\lambda}{5}) ds \qquad (a)_{+} = \begin{cases} a \cdot a_{70} \\ 0 \quad a_{50} \end{cases}$$

$$S = \frac{n}{5} \qquad (a)_{+} = \begin{cases} a \cdot a_{70} \\ 0 \quad a_{50} \end{cases}$$

$$g(\lambda) = \int_{0}^{k} (1 - \frac{\lambda t}{n})_{+}^{m} \cdot \frac{(-1)^{n} g^{(n)} (\frac{h}{t}) (\frac{h}{t})^{n+1}}{n!} dt$$

$$= \int_{0}^{k} e^{-\lambda t} \cdot f(t) dt$$

Stle ?



