$$\chi^{3} - (0 \chi^{2} + 30 \chi - 25 = 0)$$

$$\chi^{2} = 0 : \quad f(0) = -25 . < 0$$

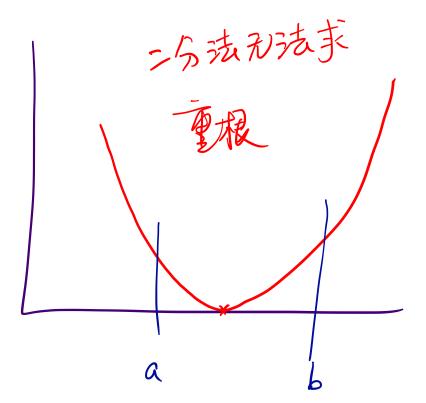
$$\chi = 2 : \quad f(2) = 8 - 40 + 60 - 25 > 0$$

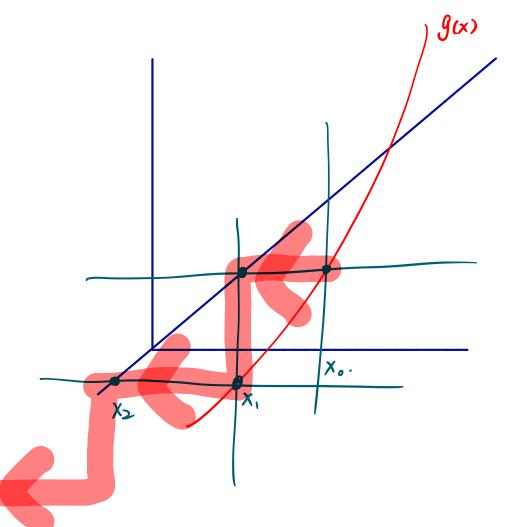
$$f(0) < 0 : \quad f(1) < 0 \quad f(2) > 0$$

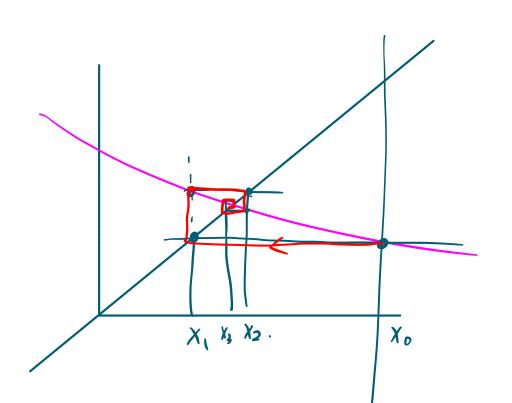
$$f(0) < 0 : \quad f(1) < 0 \quad f(2) > 0$$

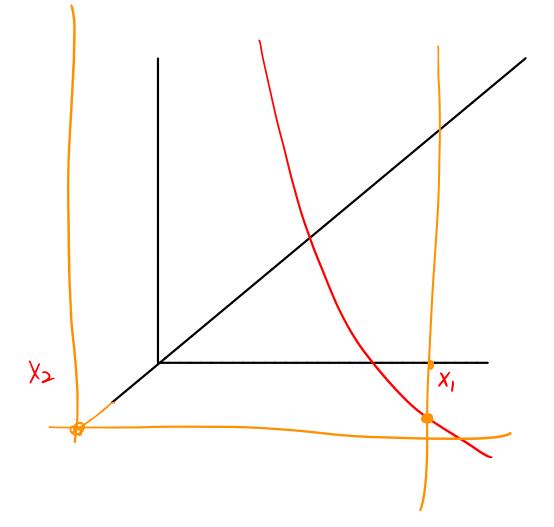
$$f(1) < 0 : \quad f(15) > 0 : \quad f(2) > 0$$

$$f(1) < 0 : \quad f(15) > 0 : \quad f(2) > 0$$









$$g(x) = e^{-x}$$

$$y(x) = -e^{-x}$$

$$\chi \in [0,1]$$
 .  $\frac{1}{e} < |g(x)| < 1$ 

$$\int (x) = \chi - \chi^{\frac{1}{3}} - 2$$

$$f(x) = 0$$

$$\chi_{k+1} = \chi_{k} - \frac{f(x_{k})}{f(x_{k})}$$

$$= \chi_{k} - \frac{\chi_{k}^{2} - \chi_{k}^{\frac{1}{3}} - 2}{1 - \frac{1}{3} \chi_{k}^{2}}$$

$$= \chi_{k} - \frac{3\chi_{k-3}\chi_{k-6}^{\frac{3}{3}}}{3-\chi_{k}^{\frac{2}{3}}} = \frac{3\chi_{k-3}\chi_{k+3}\chi_{k+6}}{3-\chi_{k-3}^{\frac{2}{3}}}$$

 $\begin{cases}
f(x+y) = f(x) + f(y) \\
f(ax) = af(x)
\end{cases}$ Ax+ Ax =A(XHX) 或等效于.  $\Delta(\alpha x_1) = \alpha(\Delta x_1)$ f(ax+by) = af(x) + bf(y)微分多程 y'=f(x)八,从为解 axi to if xith to say

绿性代数

