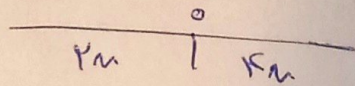
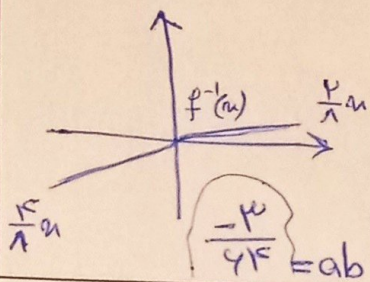


$$f(m) = \frac{r}{m+1}$$



$$y = \frac{r}{m} \quad m = \frac{r}{y} \quad y' = \frac{1}{\epsilon} m \rightarrow f'(m) = \frac{1}{\epsilon} m$$

$$y = \frac{r}{m} \quad m = \frac{r}{y} \quad y = \frac{1}{r} m \rightarrow f'(m) = \frac{1}{r} m$$



$$\frac{\frac{r}{n} + \frac{r}{n}}{r} = \frac{\frac{r}{n}}{r} = \frac{r}{1r} = \frac{r}{n}$$

$$\Rightarrow f'(m) = \frac{r}{n} m - \frac{1}{n} |m|$$

$$\frac{r}{n} - \frac{r}{n} = -\frac{1}{n} \quad (\text{موجب})$$

$$\frac{r}{n} - \frac{r}{n} = \frac{1}{n} \quad (\text{سالب})$$

$$f(m) = \frac{r}{m+1} \quad (r, -1) \rightarrow -1 = \frac{1}{r+m} \Rightarrow r+m = -1 \Rightarrow m = -r$$

$$f'(m) = \frac{r}{m-r} \quad a+d=0 \Rightarrow f(m) = f'(m) \Rightarrow f'(m) = \frac{r}{m-r}$$

$$f \circ f'(m) + f'(m) = m + \frac{r}{m-r} = \frac{m^2 - rm + r}{m-r} = \frac{m^2 + r}{m-r}$$

$$\frac{m^2 + r}{m-r} = m \Rightarrow m^2 + r = m^2 - rm \Rightarrow m = -\frac{r}{r}$$

$$f(r-r) = r - g\left(\frac{r}{r}\right) \xrightarrow{m = \frac{r-m}{r}} f\left(r - r\left(\frac{r-m}{r}\right)\right) = r - g\left(\frac{r-m}{r}\right) \Rightarrow f(m) = r - g\left(\frac{r-m}{r}\right)$$

$$f'(-r) = m \rightarrow f(m) = -r \quad -r = r - g\left(\frac{r-m}{r}\right) \Rightarrow g\left(\frac{r-m}{r}\right) = r \Rightarrow g^{-1}(r) = \frac{r-m}{r}$$

$$r g^{-1}(r) + f'(r) = r \times \frac{r-m}{r} + m = \boxed{r}$$

$$y = \frac{\omega m - 1r}{1-m} \quad \text{قوة نسبية} \quad y = \frac{\omega m + 1r}{m+1} \quad \text{لوحه} \rightarrow y = \frac{\omega(m-r) + 1r}{(m-r)+1} = \frac{\omega m + r}{m-1}$$

$$\frac{\omega m + r}{m-1} - r = \frac{r m + 4}{m-1} = f(m)$$

$$y = \frac{r m + 4}{m-1} \rightarrow m = \frac{y+4}{y-r} \rightarrow y = \frac{m+4}{m-r} = f^{-1}(m)$$

$$f(m) = f^{-1}(m) \Rightarrow \frac{r m + 4}{m-1} = \frac{m+4}{m-r} \Rightarrow r m^2 + r m - 1r = m^2 + \omega m - 4 \Rightarrow m^2 - r m - 4 = 0$$

$$\text{علاقة} = -\frac{b}{a} = \frac{r}{1}$$

$$y = m + r[m] \xrightarrow{\text{از رابطه اول}} [y] = [m + r[m]] = [y] = \omega[m] \rightarrow [m] = \frac{[y]}{\omega}$$

$$y = m + r[m] \rightarrow y = m + r \times \frac{[y]}{\omega} \rightarrow m = y - \frac{r[y]}{\omega} \rightarrow y = m - \frac{r[m]}{\omega} = f^{-1}(m)$$

$$f(m) - f^{-1}(m) = m + r[m] - m + \frac{r[m]}{\omega} = \frac{r[m]}{\omega}$$

$$(f-g)(m) = \frac{r[m]}{\omega}$$