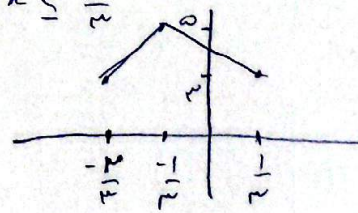
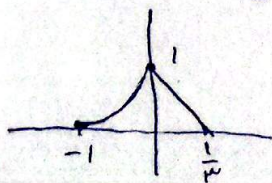


$-2 \leq \frac{m+2}{0} \leq 2 \rightarrow -1 \leq m+2 \leq 1 \rightarrow -12 \leq m \leq 18$ $\rightarrow -2 \leq m \leq 4$	۱
$-2 \leq n \leq 3 \rightarrow -4 \leq 3n \leq 9 \rightarrow -8 \leq 3n-2 \leq 7$ $D_{f(n)} = [-8, 7]$	۲
$-1 \leq n < 3 \rightarrow -3 \leq 3n < 9 \rightarrow -2 \leq 3n+1 < 10 \rightarrow -1 \leq \frac{3n+1}{2} < 5$ $D_{f(n)} = [-1, 5]$ $-1 \leq 2-0n < 0 \rightarrow -3 \leq -0n < 3$ $\frac{3}{0} \geq n > \frac{3}{0}$	۳
$-1 \leq 3n+1 \leq 2 \rightarrow -2 \leq 3n \leq 1 \rightarrow -\frac{2}{3} \leq n \leq \frac{1}{3}$ $3n+1=0 \rightarrow n = -\frac{1}{3}$ $0 \leq f(n) \leq 1 \quad 0 \leq \frac{1}{3} \leq 2 \rightarrow 3 \leq \frac{1}{3} + 3 \leq 10$	۴
$1 \leq 2-3n \leq 10 \rightarrow -1 \leq -3n \leq 9 \rightarrow +\frac{1}{3} \geq n \geq -1$ $2-3n=2 \rightarrow n=0$ $0 \leq f(2-3n) \leq 2 \rightarrow 0 \leq \frac{1}{3} f(2-3n) \leq 1$	۵



$$-\frac{b}{r_a} = -\frac{\frac{r}{\omega}}{r(1-\frac{1}{r})} = \frac{r}{\omega} \quad 2 = -\frac{1}{r}(\frac{r}{\omega})^2 + \frac{r}{\omega}(\frac{r}{\omega}) + 1 = \frac{rA}{r\omega}$$

$$r - \frac{v}{\omega} = \frac{1v}{\omega} \text{ انتقال} \quad r - \frac{r_1}{r_0} = \frac{1v}{r_0} \text{ انتقال} \quad r \left(n - \frac{1v}{\omega} \right) + \frac{r_1 v}{r_0} = 2c\omega$$

$$g(x) = -\frac{1}{x^2} \left(x - \frac{14}{5}\right)^4 + \frac{4}{5} \left(x - \frac{14}{5}\right)^3 + 1 + \frac{14}{5} = g(x) = -\frac{1}{x^2} (x-7)^4 + 14$$

$$0 = -\frac{1}{x^2} (x-7)^4 + 14 \rightarrow (x-7)^4 = 9 \rightarrow x = 19 \quad \boxed{V-1=9}$$

$$\mu_n + \mu = 1 \rightarrow \mu_n = -1 \rightarrow n = -\frac{1}{\mu} = \alpha$$

$$1 - \nu(f) = 1 - \lambda = -\nu = \beta$$

$$\alpha\beta = -\frac{1}{\mu} \alpha - \nu = -\frac{\nu}{\mu}$$

$$\alpha < \alpha+1 \leq \kappa \rightarrow \alpha+1 < \alpha \leq \omega$$

$$-1 \leq n+1 < b \rightarrow -n \leq n < b-1$$

$$[a+1, \omega] \cap [-r, b-1) = (-r, \omega)$$

$$a+1=-2 \rightarrow a=-3 \quad b-1=0 \rightarrow b=1 \quad a-b=-3-1=-4$$

$$-1 \leq f_{(n)} \leq 1 \rightarrow -1 \leq r f_{(n)} \leq 1 \rightarrow -2 \leq r f_{(n)} - 1 \leq 0$$

$$0 \leq |r_{f(n)} - r| \leq \omega \rightarrow 0 \leq \sqrt{|r_{f(n)} - r|} \leq \sqrt{\omega} \quad R = [-\sqrt{\omega}, \sqrt{\omega}]$$

$$-\frac{\pi}{r} \leq x \leq \frac{\pi}{r} \rightarrow -\frac{\pi}{r} \leq \frac{x}{r} \leq \frac{\pi}{r} \rightarrow -\frac{1}{r} \leq \frac{x}{r} + 1 \leq \frac{1}{r} \rightarrow D = \left[-\frac{1}{r}, \frac{1}{r}\right]$$

$$2_{(m)} = \left| \frac{(n-r)+1}{r(n-r)+1} \right| + 1 = \left| \frac{2n-1}{r(n-r)} \right| + 1 \quad n + 2_{(m)} < 0$$

$n+1 + \left| \frac{n-1}{r_{n-r}} \right| < 0 \quad n < -1 \rightarrow n+1 + \frac{n-1}{r_{n-r}} < 0 \rightarrow r_{n-r} - n - r + n - 1 > 0$
 $r_{n-r} - r > 0$
 $n^2 > r$
 $n > \sqrt{r}$
 $(-\infty, -\sqrt{r})$