

$$v) \frac{4+r}{r+m} = -10 \Rightarrow r+m = -1 \Rightarrow m = -r \Rightarrow f \cdot f^{-1}(n) = n \rightarrow \cancel{r+f^{-1}(n)=n} \Rightarrow \underline{f^{-1}(n)=\dots}$$

$$\frac{rn+r}{n-r} \Rightarrow 0 \Rightarrow \frac{r}{-2} = \frac{r}{-2}$$

1

M

g

$$f^{-1}(r-t) = g^{-1}(r-t)$$

$$1) f(r-n) = t \Rightarrow rn = f^{-1}(t) \Rightarrow n = \frac{r-f^{-1}(t)}{r} / g(\frac{r}{n}) = r-t \Rightarrow n = rg^{-1}(r-t)$$

$$\Rightarrow r - \frac{f^{-1}(t)}{r} = rg^{-1}(r-t) \Rightarrow t = -r \Rightarrow r - f^{-1}(-r) = rg^{-1}(r) \Rightarrow n$$

$$4) -\left(\frac{-an-r}{1+n}\right) \Rightarrow \frac{an+r}{n+1} \Rightarrow \frac{a(n-r)+r}{n-r+1} - r \Rightarrow \frac{an+r}{n-1} - r = \frac{rn+r}{n-1}$$

$$\frac{rn+r}{n-1} = n \Rightarrow n-r = r \Rightarrow n-r-r = 0 \Rightarrow \frac{-2}{a} = r$$

$$10) y = n + f[n] \Rightarrow f^{-1} = g(n) \Rightarrow f \cdot g^{-1} \Rightarrow f \cdot f^{-1}(n)$$

$$[y] = [n + f[n]] \Rightarrow \omega[n] = [y] \Rightarrow y = n + f[n] \Rightarrow [y] = \frac{[y]}{a} \Rightarrow y = n + f\left[\frac{[y]}{a}\right]$$

$$\frac{y - f[y]}{a} = n \Rightarrow f^{-1} \Rightarrow y = \frac{n - f[n]}{a} \Rightarrow f \cdot g \Rightarrow n + f[n] - \frac{a(n - f[n])}{a} \Rightarrow f[n] + \frac{f[n]}{a} \Rightarrow \frac{f[n]}{a} = [y]$$