

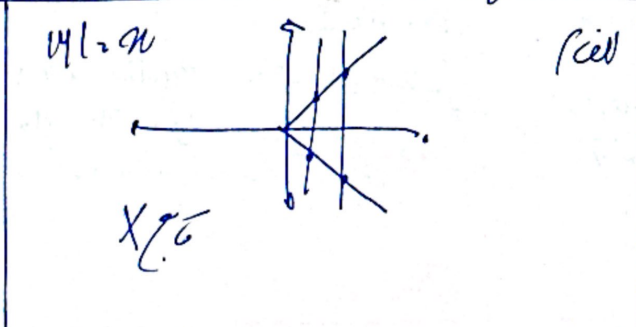
$$y^r + cy^r + cy + n^r + n = 0$$

$$y(y^r + cy + y) + n(n^r + n) = 0$$

+0,005 y^r +0,005 n^r

$$\begin{matrix} n=0 & | & 0 \\ y=0 & | & 0 \end{matrix}$$

• $\sqrt{\text{Produkt}} = 0$



$$f(\sqrt{r-1}) = \frac{r+r - \sqrt{r} + \sqrt{r} - 1 + \delta}{r+\delta - \epsilon\sqrt{r} + \epsilon\sqrt{r} - 1 + v} = \frac{r}{y} = \left(\frac{r}{y}\right)$$

$$y = r^n - a \Rightarrow n = -1, y = -\epsilon \Rightarrow -\epsilon = -r - a \Rightarrow a = 1$$

$$f(n) = n^r + n + b \Rightarrow n = -1, f(n) = -\epsilon \Rightarrow -\epsilon = -1 - 1 + b \Rightarrow b = -r$$

$$y = r^n - 1, f(n) = n^r + n - r$$

$$a^r + n - r = r^n - 1 \Rightarrow a^r - r^n - 1 = 0$$

$$a(n-1)(n+1) - (n+1) = 0 \Rightarrow (n+1)(a^r - n - 1) = 0$$

$$\Rightarrow n = -1 \Rightarrow n^r - n - 1 = 0 \quad S = \frac{-b}{a} = -1$$

$$\Rightarrow a+b = \epsilon a = a - \epsilon b + 1$$

$\underbrace{a+b}_b$ $\epsilon a = a - \epsilon b + 1$

$b = a$ $\epsilon a = -a + 1$

$\epsilon a = 1 \Rightarrow a = \frac{1}{\epsilon}$

• $f_1(r, a+b), f_2(\epsilon a), f_3(-1, a - \epsilon b + 1)$

$$f(n) = \frac{r n^r - a n + c + 1}{b n + r} \Rightarrow \text{für } n \Rightarrow f(n) = n$$

$$r n^r - a n + c + 1 = b n^r + r n$$

$$\Rightarrow (r-b)n^r - (a+r)n + c + 1 = 0$$

$\underbrace{r-b}_{b=\epsilon}$ $\underbrace{a+r}_{a=r}$ $\underbrace{c+1}_{c=-1}$

$$-r + r - 1 = 0$$