

$$k = \frac{-a+p}{r} - 1 \Rightarrow y = u_n^r + r u_n + a + 1$$

$$a^r + p^r \cdot a \rightarrow s^r - r p \cdot a \rightarrow \left(\frac{-r}{a}\right)^r - r \left(\frac{u_n}{a}\right) \cdot a \rightarrow r \left(\frac{a+1}{a}\right) \cdot a$$

$$\frac{r a + r}{a} \cdot a \rightarrow r a + r \cdot a \rightarrow r a + r \rightarrow \left(a + \frac{r}{r}\right) \left(\frac{-r}{r} + 1, \frac{1}{r}\right)$$