

$$y - f(x) = \underbrace{k \cdot (x - x_0)}_{2}$$

$$=\frac{1}{1+\left(\frac{x}{x-1}\right)^2}\cdot\left(\frac{x}{x-1}\right)^2=\frac{1}{1+\frac{x}{x-1}}$$

$$= \frac{1}{2x^{2}-2x+1} \cdot \frac{-1}{(x-1)^{2}} = \frac{1}{2x^{2}-2x+1} = \frac{1$$

$$x_n = 0$$

$$\frac{2x^{2}-2x+1}{y-f(0)=-1\cdot(x-0)} = 0$$

$$t: y = -x + f(0)$$

$$t: y = -x + f(0) \rightarrow f(0) = avety = 0 = 0$$