retursiv:
$$a_0 = y_0 = \sqrt{x_0}$$

$$a_1 = \left(\frac{3}{24} - 1\right)$$

$$a_{1} = (\frac{3}{24} - 1)(\frac{1}{2} - 1)\sqrt{2}$$

$$y_{1} = y_{0} + a_{1}$$

$$= \sqrt{2} + (\frac{3}{2} - 1)(\frac{1}{2} - 1)\sqrt{2}$$

$$a_{2} = \left[\left(\frac{3}{2 \cdot 2} - 1 \right) \left(\frac{\times}{\times_{0}} - 1 \right) \cdot \left(\frac{3}{2} - 1 \right) \left(\frac{\times}{\times_{0}} - 1 \right) - \sqrt{\times_{0}} \right]$$

$$y_{2} = y_{1} + a_{2} = y_{0} + a_{1} + a_{2}$$

$$ta_1 + a_2$$

$$= > \sqrt{\chi_0} + \left(\frac{3}{2} - 1\right) \left(\frac{1}{\chi_0} - 1\right) \sqrt{\chi_0} + \left[\left(\frac{3}{2 \cdot 2} - 1\right) \left(\frac{\chi}{\chi_0} - 1\right) \left(\frac{3}{2} - 1\right) \left(\frac{1}{\chi_0} - 1\right) \sqrt{\chi_0}\right]$$

$$\stackrel{f}{=} d_0 + a_0 \cdot \frac{a_1}{a_0} + a_0 \cdot \frac{a_1}{a_0} \cdot \frac{a_2}{a_1}$$

Taylor:
$$\underset{i=1}{k} a_i = a_0 + a_4 + a_2 + \dots = a_0 + a_0 \cdot \frac{a_2}{a_0} + a_4 \cdot \frac{a_2}{a_1} \dots$$