$$\begin{array}{l} \text{F: } \mathbb{R} \mapsto \mathbb{R} \\ \times e = 2,2 \end{array}, \quad \psi = 0,618 \\ \text{b)} \\ \times_{\{e^{\frac{1}{2}}\}} = (-2,3,10) \\ \times_{\{e^{\frac{1}{2}}\}} \times_{\text{nest}} = \times_{\text{right}} - \psi(x_{\text{right}} - x_{\text{ext}}) \\ \times_{\{e^{\frac{1}{2}}\}} = (-2,41,30) \\ \times_{\text{right}} = (2,41,30) \\ \times_{\text{right}} = (2,41,30) \\ \times_{\text{right}} = -2 + (1-\psi) \cdot (2-(2)) \\ \times_{2} = 0,172 \\ \text{f.} (x_{\text{right}}) = 0,218 \\ \times_{\text{right}} = 2,200 \\ \times_{\text{right}} = 2,200$$

=> 2,76x+2,79=0 1-2,79 1:2,76

2. Heration

$$\times_{\text{left}} =)$$
 1,02a - 1,01b + c = 2,65
=> -1,02a + 1,01b + 2,65 = c -> -1,02 \cdot 1,3 + 1,01 \cdot 2 + 2,65 = 2,7 = c

$$\times_{best} = 0.22a - 0.47b - 1.02a + 1.01b + 2.65 = 2.2 | -2.2$$

=> -0.8a + 0.54b + 0.45 = 0 | + 0.8a |:0.8

$$=> 0,670 + 0,56 = \alpha -> 0,67.2 + 0,56 = \alpha = 1,3$$

$$\Rightarrow$$
 5,016 + 4,32 = 14,36 |-4,32 |:5,01

$$\Rightarrow$$
 b = 2

$$f'(\kappa) = 3.8 \times + 2$$

$$f'(x) = 0$$

$$= 3.8 \times +2 = 6 \mid -2 \mid :3.8$$

$$f(x_{\text{new}}) = 2,24 > f(x_{\text{pest}}) = 2,2 -> \text{heine anderung}$$