

$$\boxed{R_M := 3}$$

$$\boxed{R_S := 1}$$

$$\boxed{u_Z := 3}$$

$$\boxed{h_S := 5}$$

$$Y(x) := R_S - h_S - \sqrt{R_M + R_S + x} \cdot \sqrt{R_M + R_S - x} \rightarrow -\sqrt{4-x} \cdot \sqrt{x+4} - 4$$

$$Y'(x) := \frac{d}{dx} Y(x) \rightarrow \frac{\sqrt{x+4}}{2 \cdot \sqrt{4-x}} - \frac{\sqrt{4-x}}{2 \cdot \sqrt{x+4}}$$

$$0 = Y(x) - Y'(x) \cdot (x - R_M - R_S - u_Z) + R_M$$

$$\mathbf{BX := 0 = Y(x) - Y'(x) \cdot (x - R_M - R_S - u_Z) + R_M \text{ auflösen, } x \rightarrow}$$