

4. lecke 4. önellenőrző

$$U(x, y) = \sqrt{xy} = x^{0,5} y^{0,5}$$

$$MU_x = 0,5x^{-0,5}y^{0,5} = \frac{1}{2}\sqrt{\frac{y}{x}}$$

$$MU_y = x^{0,5} \cdot 0,5 \cdot y^{-0,5} = \frac{1}{2}\sqrt{\frac{x}{y}}$$

$$MRS = \frac{MU_x}{MU_y} = \frac{0,5x^{-0,5}y^{0,5}}{x^{0,5} \cdot 0,5 \cdot y^{-0,5}} = \frac{0,5}{0,5} \cdot \frac{x^{-0,5}}{x^{0,5}} \cdot \frac{y^{0,5}}{y^{-0,5}} = \frac{y}{x}$$