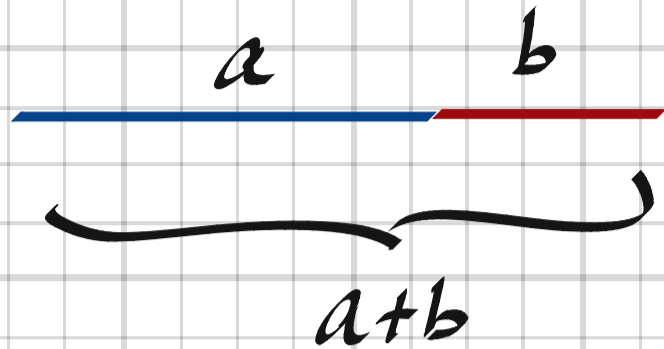


# Gyldene snittet

Def.

$$\phi = \frac{a+b}{a} = \frac{a}{b}$$



$$\phi = \frac{\frac{a}{b} + 1}{\frac{a}{b}} = \frac{\phi + 1}{\phi}$$

$$\phi^2 - \phi - 1 = 0$$

$$\phi = \frac{1 \pm \sqrt{\frac{1}{4} + \frac{4}{4}}}{2} = \frac{1 + \sqrt{5}}{2} \approx 1.618$$

$$\phi = 1.618$$