

linke Spalte

$$u = a + b + c$$

$$b = u - a - c$$

$$A = \frac{a * ha}{2}$$

$$h_a = \frac{2 * A}{a}$$

$$s = \frac{u}{2}$$

$$u = 2 * s$$

$$s = \frac{a+b+c}{2}$$

$$c = 2s - a - b$$

$$u = 3 * a$$

$$a = \frac{u}{3}$$

$$r = \frac{abc}{4A}$$

$$A = \frac{abc}{4r}$$

$$p = \frac{A}{s}$$

$$A = p * s$$

$$h = \frac{a}{2} * \sqrt{3}$$

$$a = \frac{h * 2}{\sqrt{3}}$$

$$A = \frac{a^2}{4} * \sqrt{3}$$

$$a = \sqrt{\frac{A * 4}{\sqrt{3}}}$$

$$p = \frac{h}{3} * \sqrt{3}$$

$$h = \frac{p * 3}{\sqrt{3}}$$

$$c^2 = a^2 + b^2$$

$$b = \sqrt{c^2 - a^2}$$

$$b^2 = c * q$$

$$q = \frac{b^2}{c}$$

rechte Spalte

$$u = 2a + 2b$$

$$b = \frac{u-2a}{2}$$

$$u = (a + b) * 2$$

$$b = \frac{u}{2} - a$$

$$A = a + h_a$$

$$h_a = A - a$$

$$u = 4a$$

$$a = \frac{u}{4}$$

$$a^2 = \left(\frac{e}{2}\right)^2 + \left(\frac{f}{2}\right)^2$$

$$f = \sqrt{a^2 - \left(\frac{e}{2}\right)^2} * 2$$

$$d = \sqrt{a^2 + b^2}$$

$$a = \sqrt{d^2 - b^2}$$

$$u = 2 + 2b + c$$

$$c = u - 2 - 2b$$

$$A = \frac{(a+c)*h}{2}$$

$$c = \frac{2A}{h} - a$$

$$u = 2r + b$$

$$r = \frac{u-b}{2}$$

$$h^2 = b^2 - \left(\frac{a-c}{2}\right)^2$$

$$c = -\sqrt{-h^2 + b^2} * 2 + a$$

$$O = 2r * \pi * (r + h)$$

$$h = \frac{O}{2r * \pi} - r$$

$$A = \sqrt{s * (s - a) * (s - b) * (s - c)}$$

$$a = -\frac{A^2}{s*(s-b)*(s-c)} + s$$

$$s^2 = h^2 + r^2$$

$$r = \sqrt{s^2 - h^2}$$