

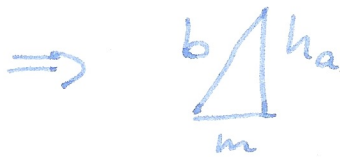
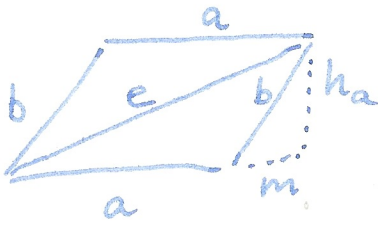
696

(alles in mm)

$b = 68 \quad e = 156$

$h_a = 60$

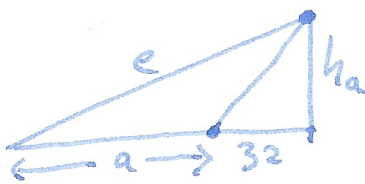
m ist Schlüssel



$$\begin{aligned} m^2 &= b^2 - h_a^2 \\ &= 68^2 - 60^2 \\ &= (68-60)(68+60) \\ &= 8 \cdot 128 = 1024 \end{aligned}$$

$m = 32$

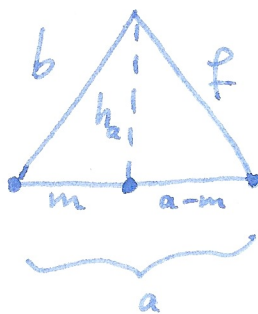
... daher ...



$$\begin{aligned} e^2 &= (a+32)^2 + h_a^2 \\ (a+32)^2 &= e^2 - h_a^2 = 156^2 - 60^2 \\ &= 216 \cdot 96 (= 6^3 \cdot 6 \cdot 16) \\ &= 36^2 \cdot 4^2 \end{aligned}$$

$a+32 = 144$
 $a = 112$

.... daher



$$\begin{aligned} a-m &= 112 - 32 = 80 \\ f^2 &= h_a^2 + (a-m)^2 \\ &= 60^2 + 80^2 = 10.000 \end{aligned}$$

$f = 100$

$U = 2(a+b) = 2(112+68) = 360 \text{ mm}$

$A = a \cdot h_a = 112 \cdot 60 = 6720 \text{ mm}^2$