

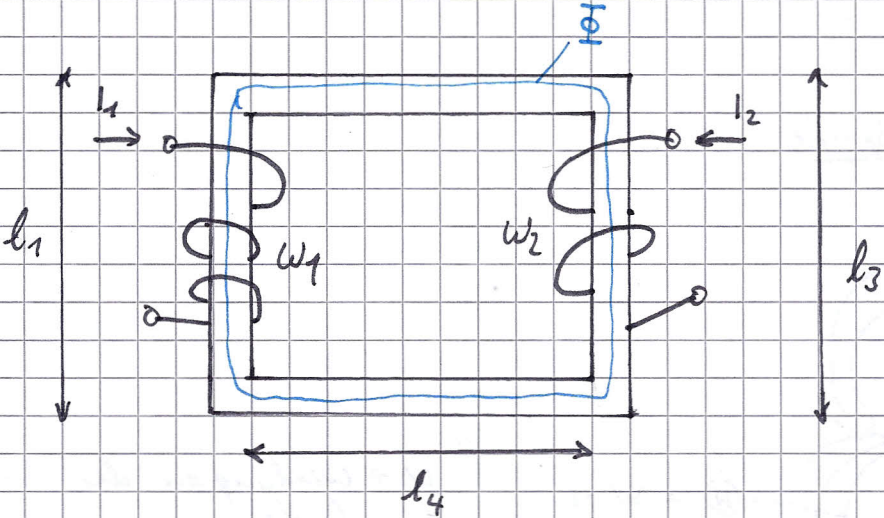
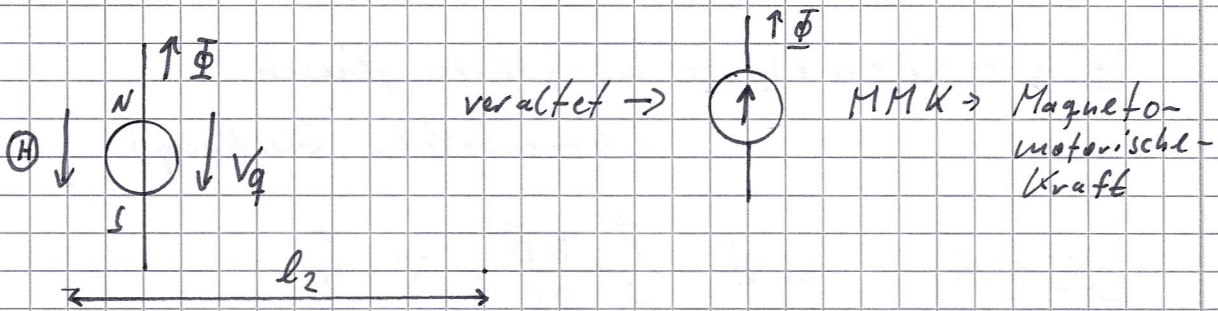
magnetische Spannung

$$[V] = A \quad V_{AB} = \int_A^B \vec{H} \cdot d\vec{l} = \int_A^B H \cdot dl \cdot \cos \alpha (\vec{H}, \vec{l})$$

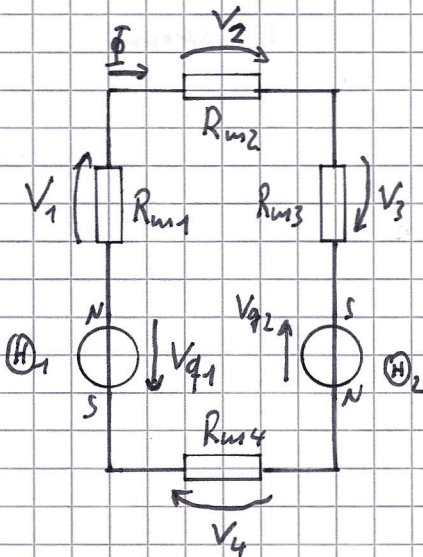
$\cos \alpha = 0 \rightarrow$ bei senkrecht

$\cos \alpha = 1 \rightarrow$ bei parallel

Symbol der magnetischen Quelle



$$\begin{aligned} \textcircled{H}_1 + \textcircled{H}_2 &= \oint H dl \\ &= V_1 + V_2 + V_3 + V_4 \end{aligned}$$



$$\begin{aligned} \textcircled{H}_1 &= l_1 \cdot w_1 & \textcircled{H}_2 &= l_2 \cdot w_2 \\ V_1 &= H_1 \cdot l_1 & V_2 &= H_2 \cdot l_2 \\ V_3 &= H_3 \cdot l_3 & V_4 &= H_4 \cdot l_4 \end{aligned}$$

$$\sum_{v=1}^n \textcircled{H}_v = \sum_{M=1}^m V_M \Rightarrow \text{magnetischer Maschensatz}$$