

A5,8

$$NI = H_{Fe} \cdot l_{Fe} + H_S \cdot \delta \quad \dots (1)$$

$$H_S = \frac{B_S}{\mu_0}$$

$$B_S = \frac{\Phi}{A_S} = \frac{\Phi}{1,10 A_{Fe}} = \frac{B_{Fe}}{1,10}$$

INS 1 (1) \Rightarrow

$$NI = H_{Fe} l_{Fe} + \frac{B_{Fe}}{1,10 \mu_0} \cdot \delta$$

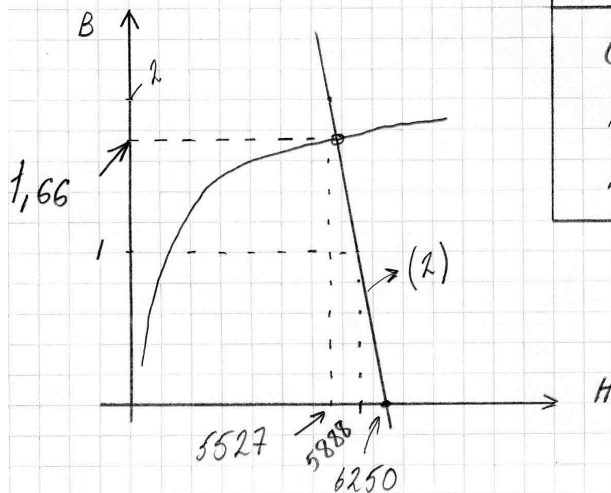
$$2000 \cdot 1,25 = H_{Fe} \cdot 0,4 + \frac{B_{Fe}}{1,10 \cdot 4\pi \cdot 10^{-7}} \cdot 0,2 \cdot 10^{-3}$$

$$2500 = 0,4 H_{Fe} + 144,7 B_{Fe} \quad \dots (2)$$

RITA (2) I SAMMA DIAGRAM SOM BH-
GRAFEN (BILAGA 2). ELPLÅT I

VÄRDETABELL :

$B_{Fe} \left(\frac{Vs}{m^2} \right)$	$H_{Fe} \left(\frac{A}{m} \right)$
0	6250
1	5888
2	5527



$$B_{Fe} = 1,66 \frac{Vs}{m^2} \Rightarrow$$

$$B_S = \frac{1,66}{1,10} \approx \underline{\underline{1,51 \frac{Vs}{m^2}}}$$