

0.0275 4m²

Rbc

$$P = NT$$
 $M = B$
 H
 $A = 1.176 \times 10^{-3}$ lost steel

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a.)
$$R_1 = R_{ba} + F_{af} + R_{fe}$$

 $R_1 = (80+100+80) \times 10^{-2}$
 $1.176 \times 10^{-3} \times 2.25 \times 10^{-2}$
 $R_1 = 260 \times 10^{-2} = 98.1 \times 10^{3}$
 2.65×10^{-5}

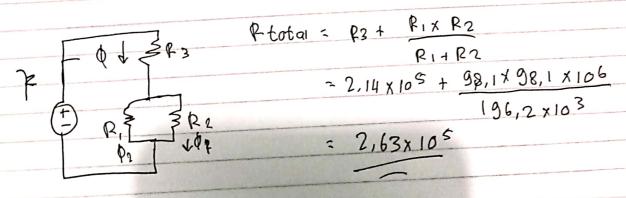
$$R_2 = R_{bc} + R_{cd} + R_{de}$$

 $= \frac{260 \times 10^{-2}}{2.65 \times 10^{-5}} = 98.1 \times 10^3$

$$R3 = Ryap + R6b$$

$$= \frac{5 \times 10^{-3}}{4 \pi \times 10^{-7} \times 2,25 \times 10^{-2}} + \frac{93.5 \times 10^{-2}}{1,176 \times 10^{-3} \times 2,25 \times 10^{-2}}$$

$$= 2.14 \times 10^{5}$$



b.7
$$\phi = BA$$

= $1 \times 2, 25 \times 10^{-2}$ Wb
 $\phi = NI$
Ptotal
 $2,25 \times 10^{-2} \times 2, (3 \times 10^{5} = 250)$ I
 $F = 5.92 \times 10^{3}$
 250
= 23.68 A

$$C. > \phi_1 - \frac{1}{2} \phi = B_1 - \frac{1\phi}{2A}$$

$$\Phi_2 = \frac{1}{2} \Phi \qquad B_2 = \frac{10}{2} \Phi$$

$$\frac{d.}{L} = \frac{1}{2} \frac{1}{502}$$

$$\frac{1}{2,63} \times \frac{105}{105}$$

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