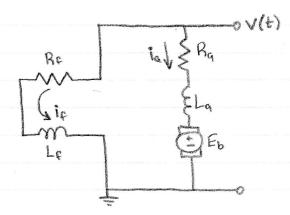
e)



$$T_m = \frac{4}{9.73} T_{max} \rightarrow T_{max} = \frac{9.73}{4} T_m$$

$$F_{\text{wheels}} = \frac{4T_{\text{max}}}{r_{\text{w}}} = \frac{4\left(\frac{9.73}{4}\right)T_{\text{m}}}{r_{\text{w}}} = \frac{9.73T_{\text{m}}}{r_{\text{w}}}$$