$$\mathcal{O}\left(\frac{T_{BC}}{m}d_v q + \frac{T_{BC}}{m}\left(1-R\right)d_c qm\right) I_{BC} = \mathcal{O}\left(\left(\frac{d_v}{m}+d_v\right) qT_{BC}\right) I_{BC} \qquad (1)$$