

$$T - W - \frac{W}{g}a = 0$$

$$T - W \underbrace{\left(1 + \frac{a}{g}\right)}_n = 0$$

$$n = \frac{T}{W} = \frac{439,300 \text{ lb.}}{362,200 \text{ lb.}}$$

$$n = 1.213$$

