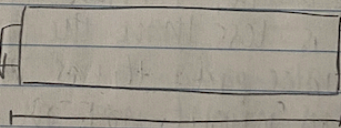


IMASS (R.NOS):

peak thrust: 35.81 kN



BB+stroke+P

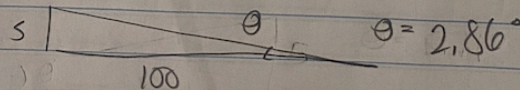
$$= 291.8 + 457.2 + 122.9 = 871.9 \text{ mm} = 87.19 \text{ fully extended}$$

moment balance

$$\sum M_B = 50 \text{ cm}(w) - 150 \text{ cm}(35.81) = 0$$

$$w = 107.43 \text{ kN} = \boxed{10850 \text{ kg}}$$

$$\frac{s}{100} = \frac{h}{50}$$



$$\theta = 2.86^\circ$$

$$\boxed{h = 2.5 \text{ cm}}$$