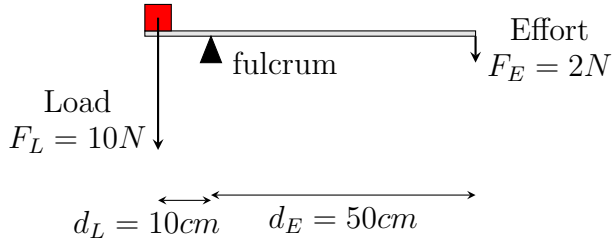


First Class Lever mechanical advantage



$$m.a. = \frac{F_L}{F_E} = \frac{10N}{2N} = 5$$

$$m.a. = \frac{d_E}{d_L} = \frac{50cm}{10cm} = 5$$