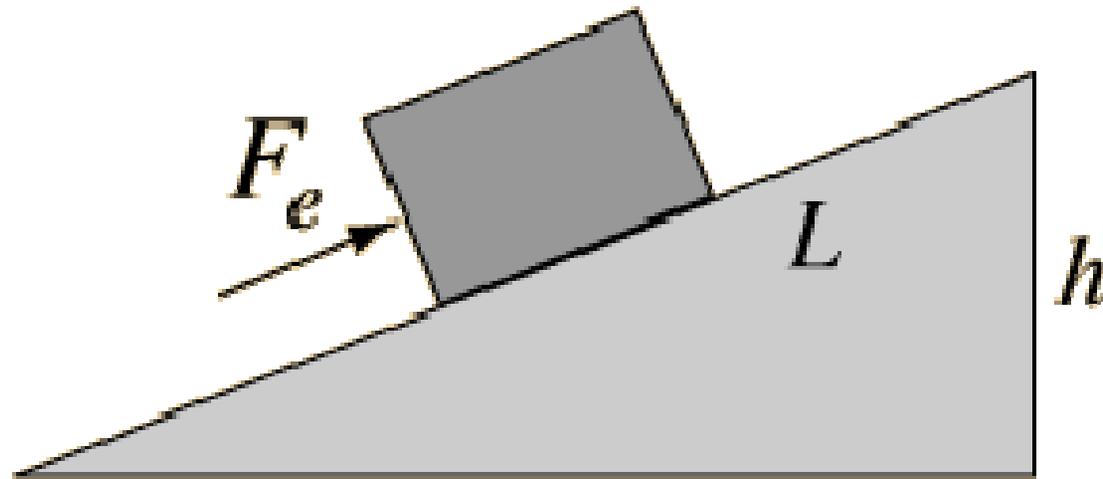


SIX SIMPLE MACHINES

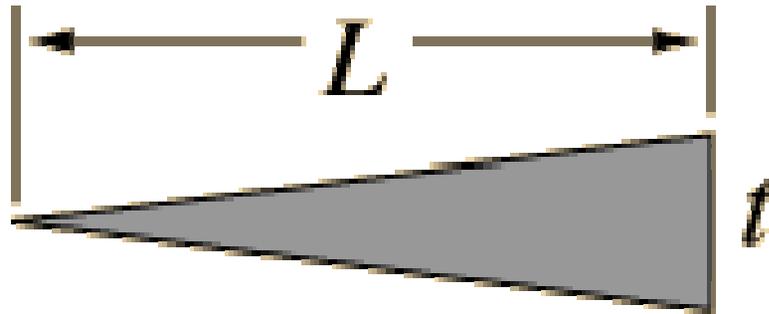
INCLINE PLANE



Incline

$$IMA = \frac{L}{h}$$

WEDGE

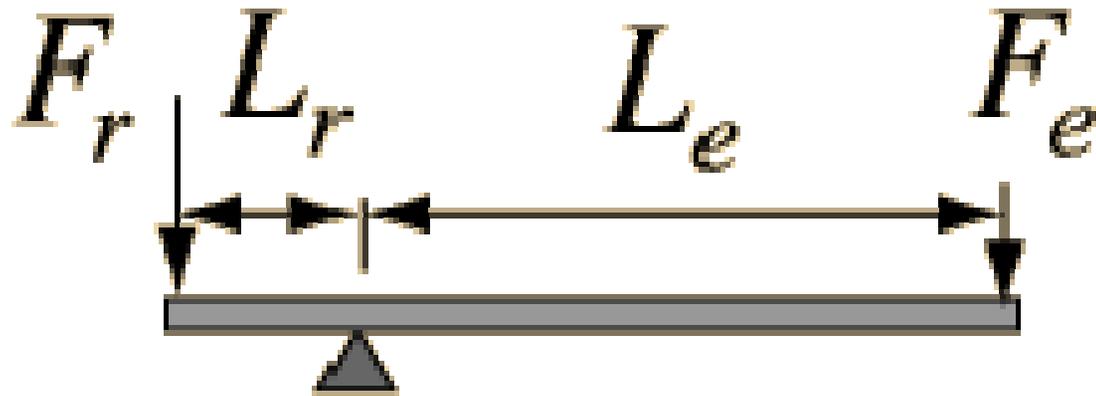


Wedge $IMA = \frac{L}{t}$

L = depth of penetration

t = separation of wedged surfaces

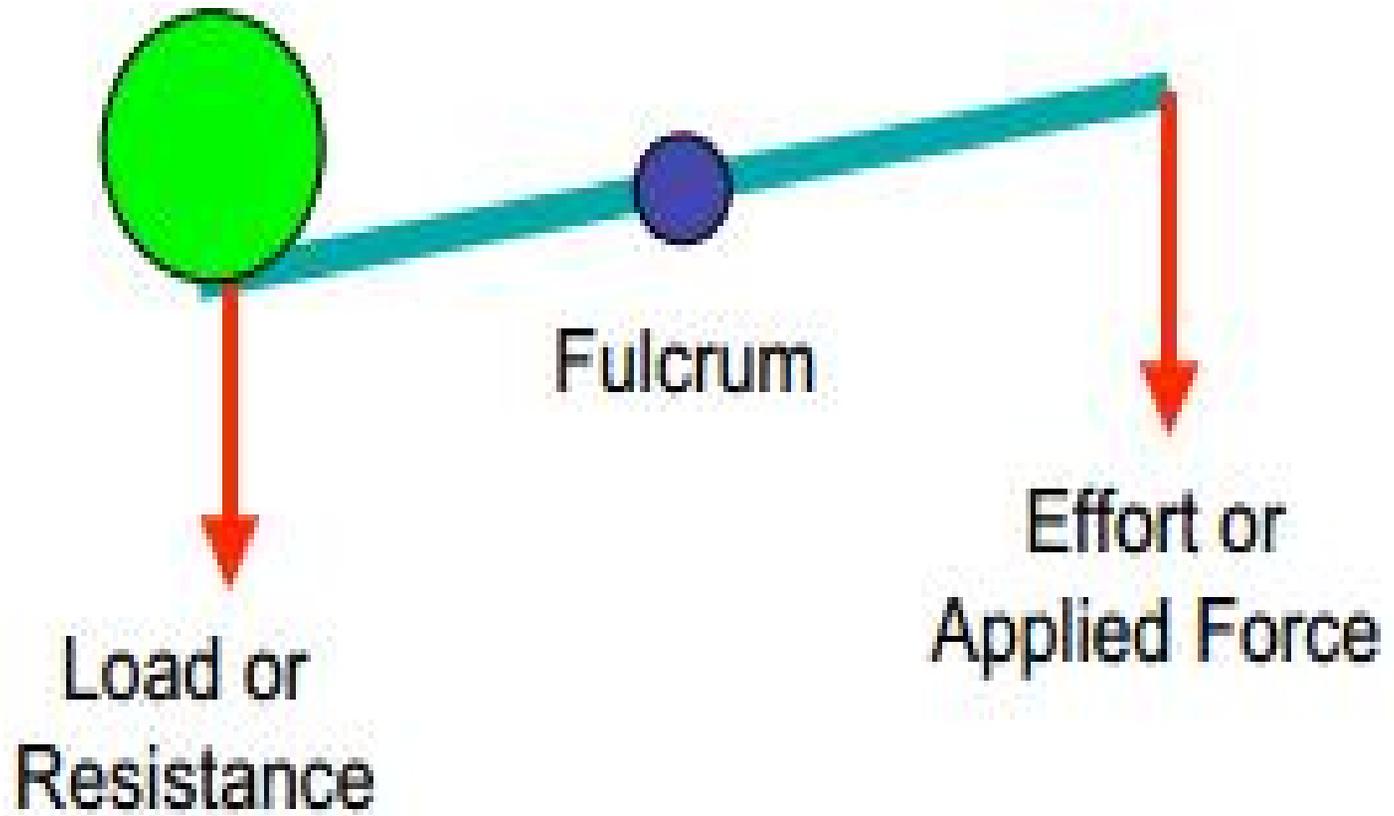
LEVER



$$IMA = \frac{L_e}{L_r}$$

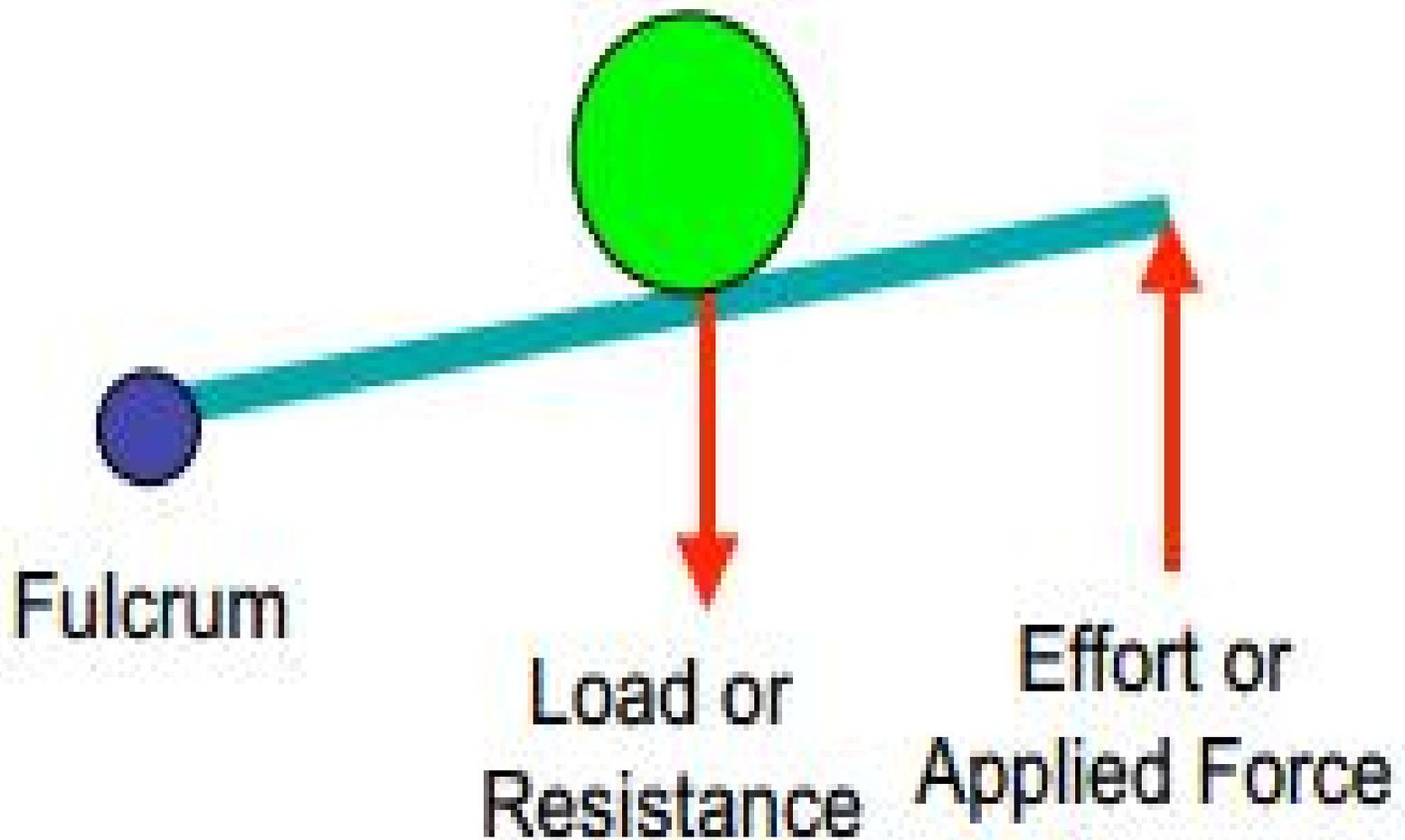
1st class

LEVER



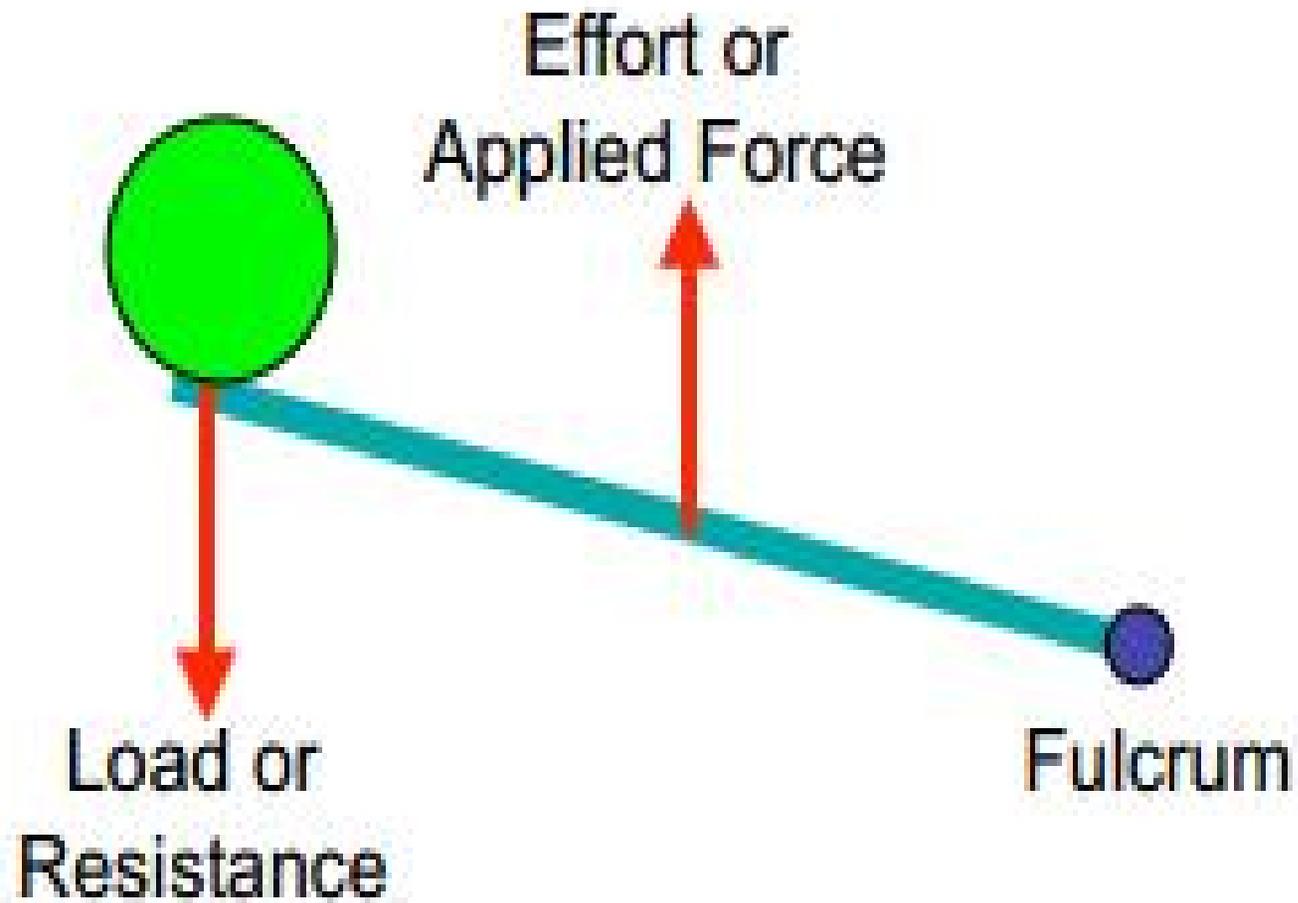
2nd class

LEVER

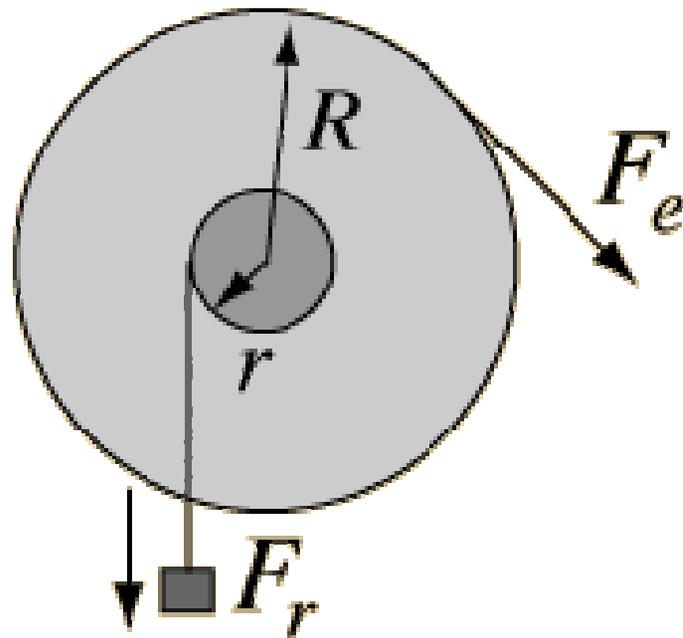


3rd class

LEVER

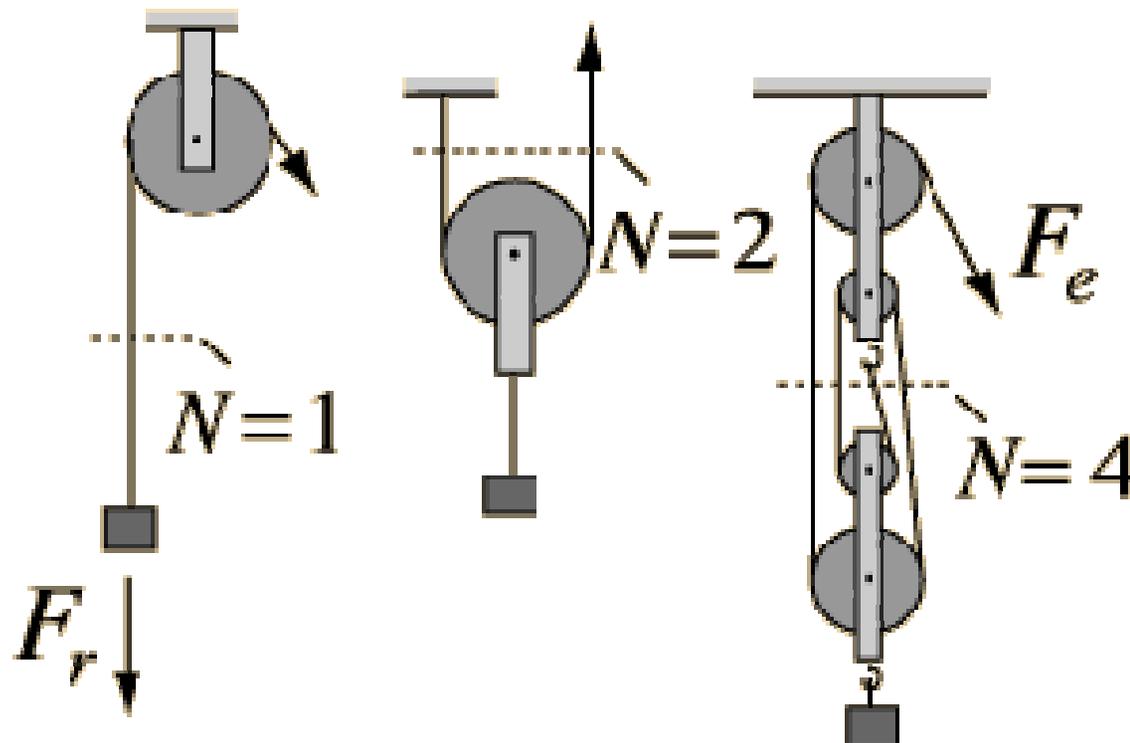


WHEEL & AXLE



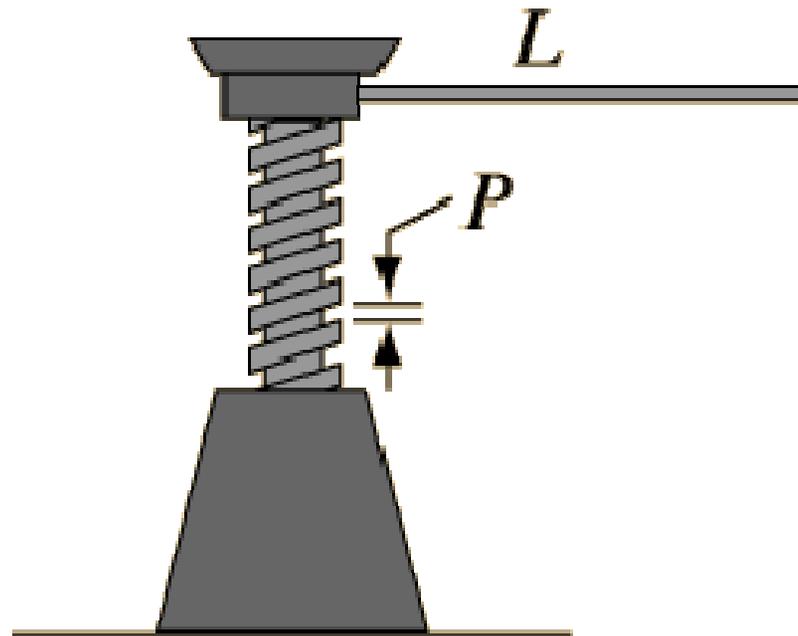
Wheel and axle $IMA = \frac{R}{r}$

PULLEY



Pulley $IMA = N$

SCREW



Screw

$$IMA = \frac{2\pi L}{P}$$