

Find
$$\frac{1}{2}$$
 F, $\sin 30^{\circ} - mg = mag$

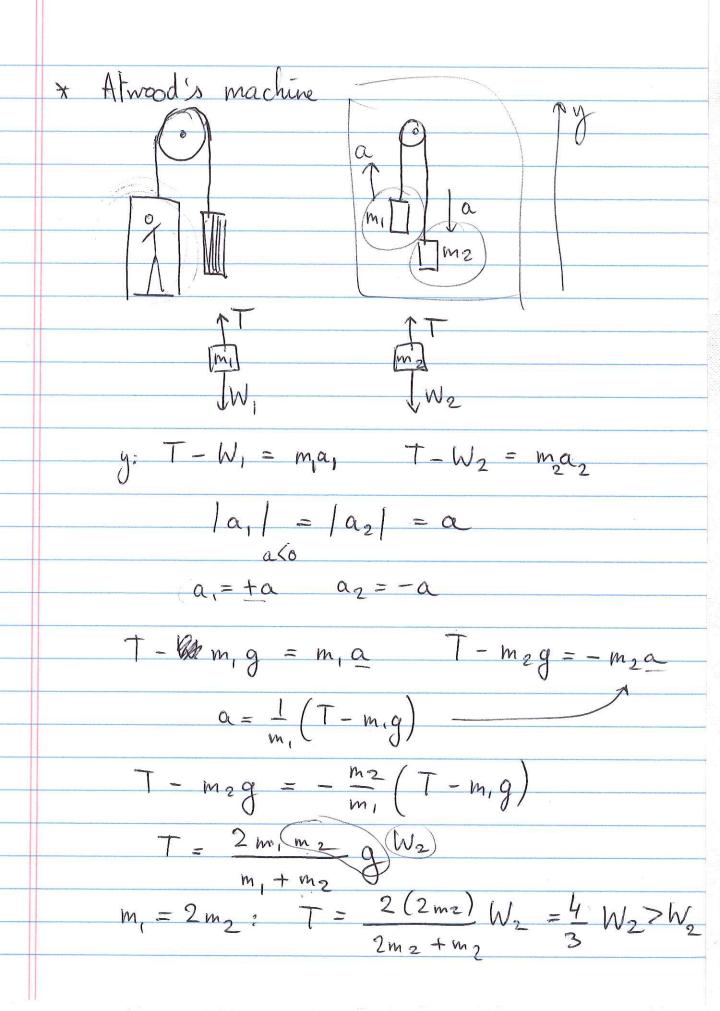
$$= \frac{1}{m} \left(\frac{1}{5} \sin 30^{\circ} - mg \right)$$

$$= + 2 \cdot 2 \frac{m}{5}^{2}$$

Fulley

$$= + 2 \cdot 2 \frac{m}{5}^{2}$$

$$= - 2$$



$$a = \frac{m_2 - m_1}{m_2 + m_1} g$$

$$m_1 = 2m_2 \rightarrow a = \frac{m_2 - 2m_2}{m_2 + 2m_2} g = \frac{-1}{3} g$$

$$a_1 = +a = -\frac{1}{3} g$$

$$a_2 = -a = \frac{1}{3} g$$

$$m_2 = \frac{1}{3} g$$

$$m_3 = \frac{1}{3} g$$

$$m_4 = \frac{1}{3} g$$

$$m_2 = \frac{1}{3} g$$

$$m_2 = \frac{1}{3} g$$

$$m_3 = \frac{1}{3} g$$

$$m_4 = \frac{1}{3} g$$

$$m_5 = \frac{1}{3} g$$

$$m_6 = \frac{1}{3} g$$

$$a_2 = a_1 \longrightarrow a_2 = \frac{T_2}{m_2}$$

$$T_1 = \frac{m_1}{m_2} T_2 + T_2 \longrightarrow T_2$$

$$T_2 = T_1 - T_2$$

$$T_3 = \frac{m_1}{m_2} T_2 + T_2 \longrightarrow T_2$$