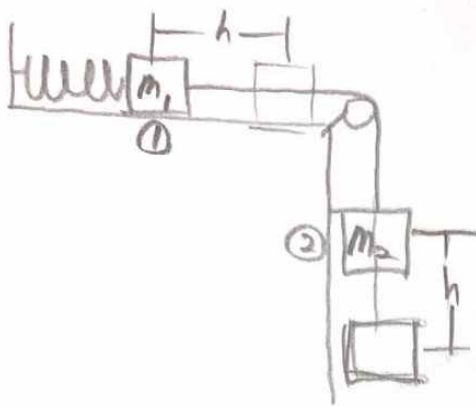
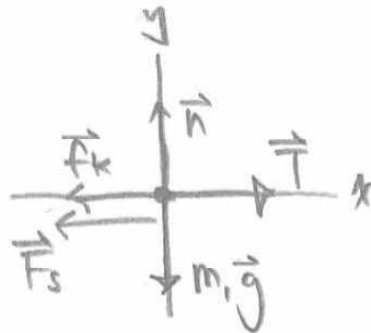
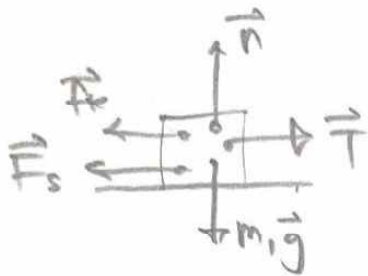


P. 181. Ex. 8.8

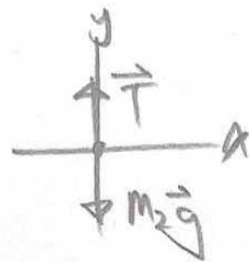


용수철이 이완된 이후, ① 블록에 작용하는 힘



$$\begin{aligned} \sum \vec{F}_x &= \vec{F}_s + \vec{f}_k + \vec{T} = 0 \\ \sum F_x &= T - f_k - F_s = 0 \\ T &= f_k + F_s \end{aligned}$$

② 블록에 작용하는 힘



$$\begin{aligned} \sum \vec{F}_y &= \vec{T} + m_2 \vec{g} = 0 \\ \sum F_y &= T - m_2 g = 0 \\ T &= m_2 g \end{aligned}$$

①에서 T가 한 일의 양 = ②에서 T가 한 일의 양.

$f_k + F_s$  가 한 일

$m_2 g$  가 한 일

$$f_k h + \frac{1}{2} k h^2 = m_2 g h$$