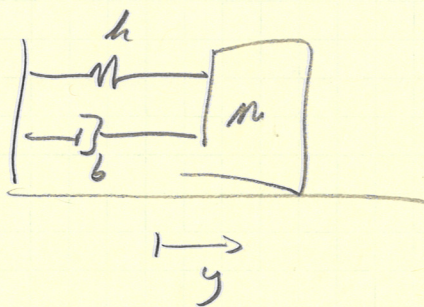


IV.1



Find the kinetic energy

$$K = \frac{1}{2} m \dot{y}^2$$