

①

$$E_{\text{constante}} = K + V(r)$$

$$\boxed{V(0) = 0}$$

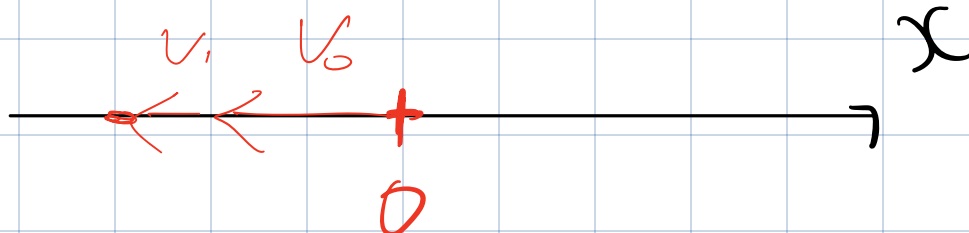
$$\frac{1}{2} m v_0^2 = E_n$$

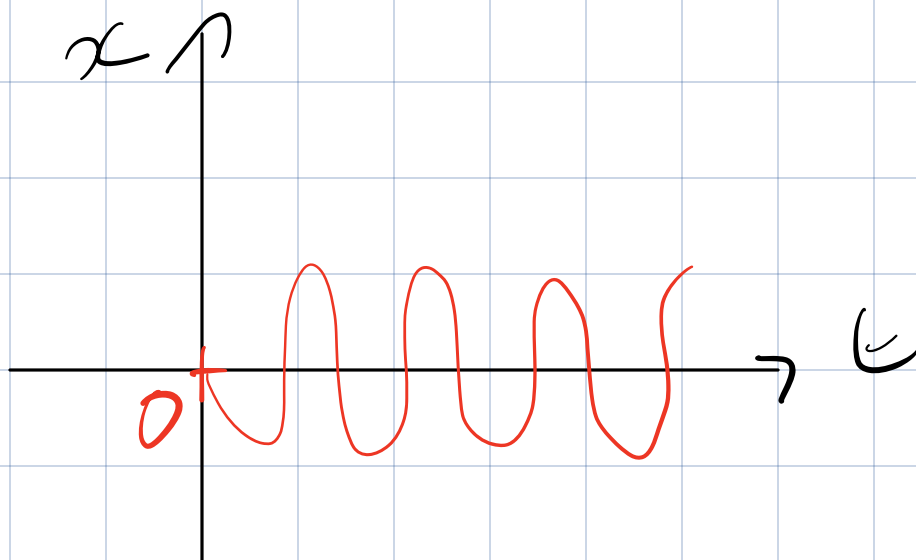
$$\Leftrightarrow v_0^2 = \frac{2E_n}{m}$$

$$\Leftrightarrow \vec{v}_0 = -\sqrt{\frac{2E_n}{m}} \hat{x}$$

E_1

②





3

