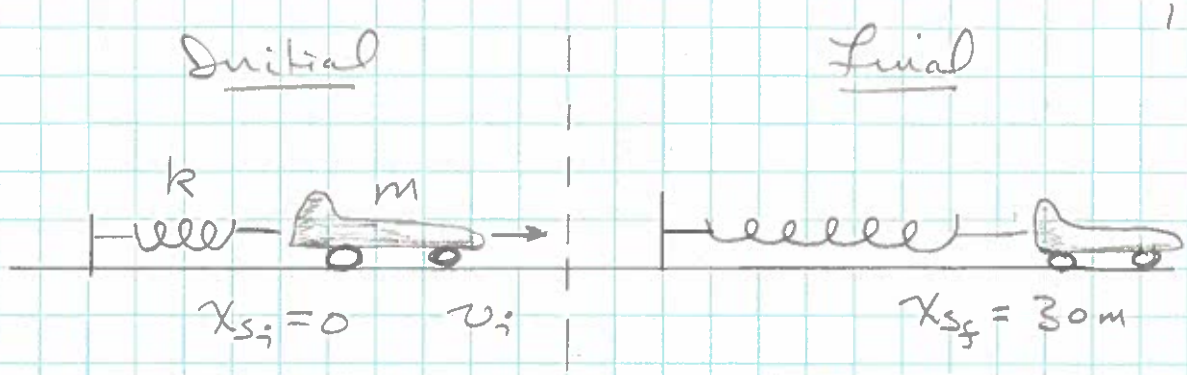

$m = 15{,}000$
$k = 60{,}000\ N/m$

Conserve Energy $i \to f$:

$$\Delta E_{mech} = \Delta K + \Delta U_s = 0$$

$$\frac{1}{2} m (\cancel{v_f^2} - v_i^2) + \frac{1}{2} k (x_{s_f}^2 - \cancel{x_{s_i}^2}) = 0$$

$$-\frac{1}{2} m v_i^2 + \frac{1}{2} k x_{s_f}^2 = 0$$

$$\therefore \quad v_i = \sqrt{\frac{k}{m}}\, x_{s_f}$$

$$\underline{v_i = 60\ m/s}$$