

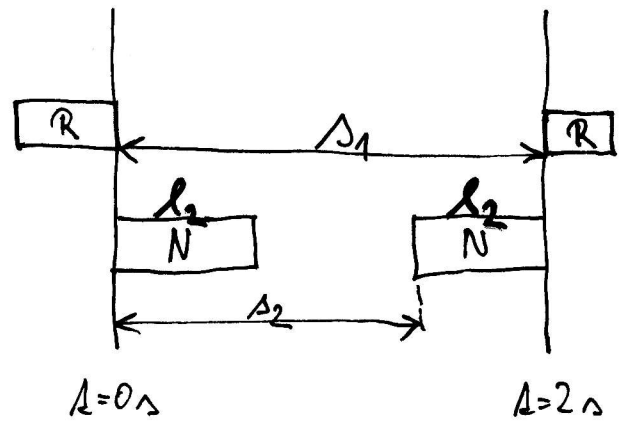
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$$v_1 = 20 \frac{m}{s}$$

$$l_2 = 15 m$$

$$l_1 = l_2 = l = 2 s$$

$$v_2 = ? \left[\frac{m}{s} \right]$$



$$v_2 = \frac{\Delta_2}{l_2}$$

$$v_2 = \frac{25}{2}$$

$$v_2 = 12,5 \frac{m}{s}$$

$$\Delta_2 = \Delta_1 - l_2$$

$$\Delta_2 = 40 - 15$$

$$\Delta_2 = 25 m$$

$$\Delta_1 = v_1 \cdot l_1$$

$$\Delta_1 = 20 \cdot 2$$

$$\Delta_1 = 40 m$$

Nákladni vlak jede rychlostí $12,5 \frac{m}{s}$.