

$$\begin{aligned}
 F &= 1500 \text{ N} & A &= F \cdot s \\
 s &= 800 \text{ m} & A &= 1500 \text{ N} \cdot 800 \text{ m} \\
 A &= & A &= 1200000 \text{ NM} \\
 && A &= 1,2 \text{ MJ}
 \end{aligned}$$

$$\begin{aligned}
 N_2 &= 10 \frac{\text{m}}{\text{s}} & \Delta v &= v_u - N_2 & a &= \frac{\Delta v}{t} \\
 N_K &= 40 \frac{\text{m}}{\text{s}} & \Delta v &= 40 \frac{\text{m}}{\text{s}} - 10 \frac{\text{m}}{\text{s}} & a &= \frac{30 \frac{\text{m}}{\text{s}}}{3 \frac{\text{s}}{\text{s}}} \\
 t &= 3 \frac{\text{s}}{\text{s}} & \Delta v &= 30 \frac{\text{m}}{\text{s}} & a &= 3,3 \frac{\text{m}}{\text{s}^2}
 \end{aligned}$$

$$\begin{aligned}
 g &= 9,81 \frac{\text{m}}{\text{s}^2} & \Delta h &= g \cdot \frac{t^2}{2} & t_{(14,7)} &= \sqrt{\frac{2 \cdot 14,7 \text{ m}}{9,81 \text{ m}}} \\
 t &= 3,4 \frac{\text{s}}{\text{s}} & h &= \frac{9,81 \text{ m}}{2} \cdot 3,4 \text{ s} & t_{(14,7)} &= 3,09 \frac{\text{s}}{\text{s}} \\
 && h &= \frac{9,81}{2} \cdot 11,56 \text{ m} &&
 \end{aligned}$$

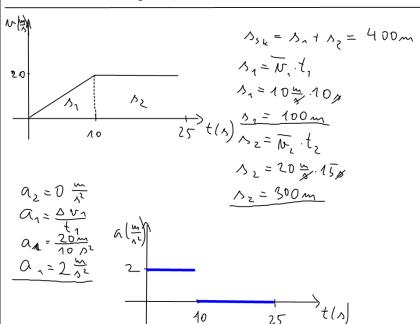
$$l = 5,6 \text{ m}$$

Za zadanih vektora paraboli  $0,31 \frac{\text{s}}{\text{s}}$

$$\begin{aligned}
 N_2 &= 10 \frac{\text{m}}{\text{s}} = 25 \frac{\text{m}}{\text{s}} & t &= \frac{\Delta v}{a} & \Delta = \overline{v} \cdot t \\
 N_K &= 50 \frac{\text{m}}{\text{s}} = 13,5 \frac{\text{m}}{\text{s}} & t &= \frac{-11,5 \text{ m}}{+3,5 \frac{\text{m}}{\text{s}}} & \Delta = 13,5 \frac{\text{m}}{\text{s}} \cdot 3,17 \frac{\text{s}}{\text{s}} \\
 a &= -3,5 \frac{\text{m}}{\text{s}^2} & t &= 3,17 \frac{\text{s}}{\text{s}} & \Delta = 61,7 \text{ m} \\
 && t &= \frac{N_2 + N_K}{2} = 14,45 \frac{\text{m}}{\text{s}} & \\
 && \Delta &= 14,45 \frac{\text{m}}{\text{s}}
 \end{aligned}$$

$$\begin{aligned}
 \text{Evirk: } 7:00 && t &= \frac{\Delta}{\overline{v}} & \\
 \Delta &= 32 \text{ km} & t &= \frac{32}{45} \text{ km} & \\
 \overline{v} &= 45 \frac{\text{km}}{\text{h}} & t &= 0,71 \text{ h} = 42,6 \text{ min} \\
 t_{\text{st}} &= 2,6 \text{ min} & t_{\text{uk}} &= 42,6 \text{ min} + 12 \text{ min} = 54,6 \text{ min} \\
 && t &= \underline{V L_i \text{ ob } 7:54,6} &
 \end{aligned}$$

$$\begin{aligned}
 \text{Milna: } 7:10 && t &= \frac{\Delta}{\overline{v}} & \\
 \Delta &= 36 \text{ km} & t &= \frac{36}{95} \text{ km} & \\
 \overline{v} &= 95 \frac{\text{km}}{\text{h}} & t &= 0,378 \text{ h} = 22,7 \text{ min} & \\
 t &= & t &= \underline{V L_i \text{ ob } 7:32,7} &
 \end{aligned}$$



$$\begin{aligned}
 m &= 800 \text{ kg} & W_{uk} &= \frac{m \cdot v^2}{2} \\
 v &= 30 \frac{\text{km}}{\text{h}} = 8,3 \frac{\text{m}}{\text{s}} & W_{uk} &= \frac{800 \cdot 8,3^2 \text{ m}^2}{2 \cdot 1 \text{ s}^2} \\
 && W_{uk} &= 27556 \text{ J}
 \end{aligned}$$