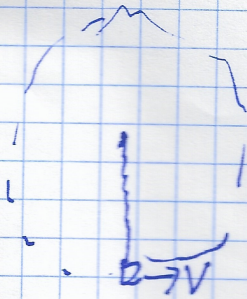


7.



$$T_{\max} = mg + m \frac{v^2}{R}$$

$$T_{\min} = m \frac{v^2}{R} - mg$$

$$T_{\max} - T_{\min} = 2mg$$

u uz membr: $2mg = 10$

$$m = 0.5 \text{ kg}$$