

$N=1$

$$t_1 = 200$$

$$p_1 = 1,8 p_0$$

$$t_2 = 500$$

$$p_2 = 2,4 p_0$$

Т.к. a, v

$$p_0 = mg$$

$$m(g - a_1) = 1,8 mg$$

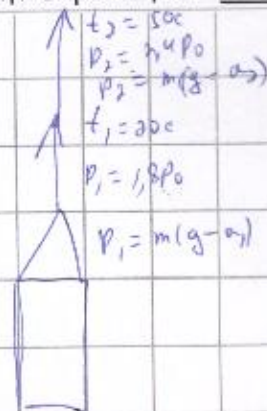
$$g - a_1 = 1,8g$$

$$10 - a_1 = 18$$

$$a_1 = -8$$

$$\text{Мәңгілік: } a_1 = -8 \text{ м/с}^2$$

мына



$N=2$



$$\frac{p_1 V_1}{T_1} = \frac{p_2 V_2}{T_2}$$

$$p_1 V_1 T_2 = p_2 V_2 T_1$$

$$V_2 = \frac{p_1 V_1 T_2}{p_2 T_1}$$

$$\frac{p_3 V_3}{T_3} = \frac{p_4 V_4}{T_4}$$

$$p_3 V_3 T_4 = p_4 V_4 T_3$$

$$V_4 = \frac{p_3 V_3 T_4}{p_4 T_3}$$

N₄

$$n = 1,5$$

$$\frac{1}{F} = (n-1) \left(\frac{1}{R_1} + \frac{1}{R_2} \right)$$

~~R₁ R₂~~

$$\frac{1}{F} = (1,5-1) \left(\frac{1}{R_1} + \frac{1}{R_2} \right)$$

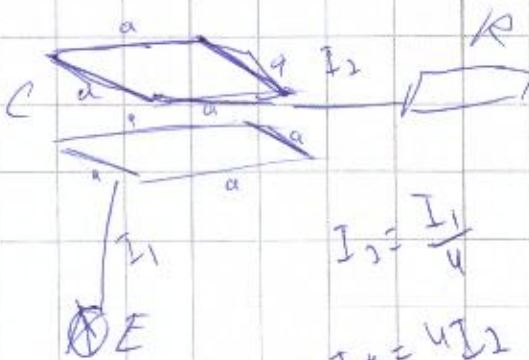
$$\frac{1}{F} = 0,5 \cdot \frac{R_1 + R_2}{R_1 R_2}$$

$$\frac{1}{F} = \frac{R_1 + R_2}{2 R_1 R_2}$$

$$F = \frac{2 R_1 R_2}{R_1 + R_2}$$

~~R₁ R₂~~

N₅



$$I_3 = \frac{I_1}{4}$$

$$I_1 = 4 I_3$$

$$I_2 = 4 E R$$

$$I_1 = 4 E R$$

$$E = \frac{U}{R}$$

$$P = UI$$

$$C = \frac{ES}{d}$$

$$C = \frac{E \cdot 2a^2}{d}$$

$$C = \frac{1 \cdot 2a^2}{dR}$$