

**N3**

$$R = 40 \text{ Ом}$$

$$V = 220 \text{ В}$$

$$N_1 = 300 \text{ Вт}$$

$$N = ?$$

$$N = \frac{220^2}{40} = 1200 \text{ Вт}$$

$$N = \frac{V^2}{R} \quad N > N_1$$

$$1200 > 300 \text{ (қеер)}$$

**N4**

$$\theta_1 = \theta_2$$

$$\theta_1 = 70^\circ \text{C}$$

$$\theta_2 = 35^\circ \text{C}$$

$$t = ?$$

$$c\rho l_1 S_1 (\theta_1 - t) = c\rho l_2 S_2 (t - \theta_2)$$

$$l_1 S_1 (\theta_1 - t) = 2 l_2 S_2 (t - \theta_2)$$

$$\theta_1 - t = 4(t - \theta_2)$$

$$\theta_1 - t = 4t - 4\theta_2$$

$$\theta_1 + 4\theta_2 = 4t + t$$

$$70^\circ \text{C} + 4 \cdot 35^\circ \text{C} = 5t$$

$$70^\circ \text{C} + 140^\circ \text{C} = 5t$$

$$210^\circ \text{C} = 5t$$

$$t = \frac{210}{5} = 42^\circ \text{C}$$

**N2**

$$\epsilon = 3$$

$$F = mg = \rho V g$$

$$F_1 = \frac{F}{\epsilon}$$

$$F_a = \rho_1 g V$$

$$mg = \frac{F}{\epsilon} + \rho_1 g V$$

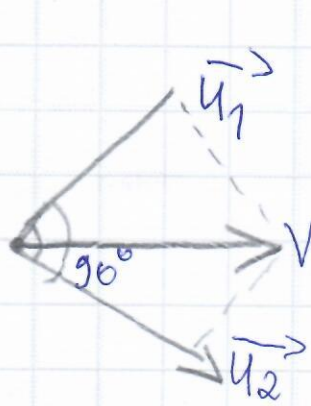
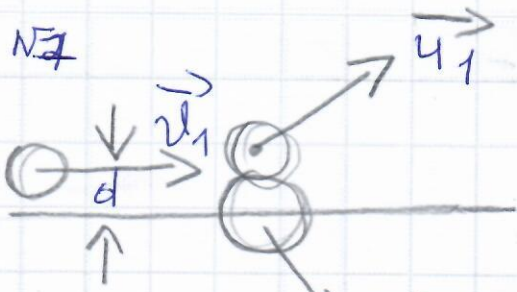
$$\rho g V = \frac{\rho g V}{\epsilon} + \rho_1 g V$$

$$\rho = \frac{\rho}{\epsilon} + \rho_1$$

$$\rho \left(1 - \frac{1}{\epsilon}\right) = \rho_1$$

$$\frac{\rho}{\rho_1} = \frac{\epsilon}{\epsilon - 1}$$

$$\frac{\rho_1}{\rho_2} = \frac{3}{2}$$



Бүізінг шары белгілі бір бұрышымен соқтығысқанда бір-бірі менен, сақталу заңына бағынады.