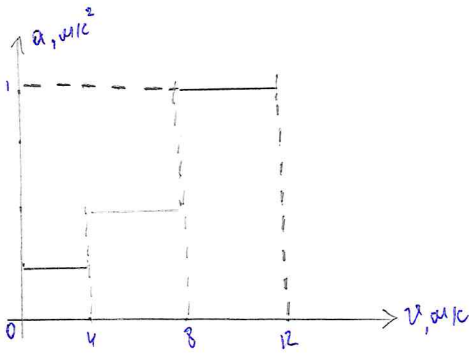


W1



Jawab:

$$v_0 = 0, 2$$

$$t = 5, 2 \quad S = \frac{v}{t}$$

$$t = 4, 144 \approx 576c$$

$$S = \frac{144 \text{ m/c}}{576c} = 0,25 \text{ m}$$

Jawab: 576c, 0,25m

05

W3

$$C_k(t_0 + 5 - t_0) = c_b(t_b - (t_0 + 5)) - 1 \text{ waktu}$$

$$C_k(t_0 + 8 - t_0) = 2c_b(t_b - (t_0 + 8))$$

$$(t_b - t_0 - 8)(t_b - t_0 - 5) = \frac{4}{3}$$

$$t_b - t_0 = 20$$

$$5c_k = 15c_b \quad C_k = 3c_b$$

$$C_k = (t_k - t_0) = C_b(t_b - t_k)$$

$$t_k - t_0 = t_b - t_0 - 8 = 8(t_b - t_0) = 20c \quad (20 - 18) = 2c \quad \frac{3 \cdot (5+3)}{(3 \cdot 5) - 3} = \frac{24}{12} = 2c$$

Jawab: 20c

14/5

W4

Dik:

$$I = 1 \text{ mA}$$

$$R_1 = 5 \text{ k}\Omega$$

$$R_2 = 3 \text{ k}\Omega$$

$$R_3 = 2 \text{ k}\Omega$$

U = ?

Jawab:

$$R = \frac{U}{I} \quad I = \frac{U}{R}$$

$$U = RI$$

$$R_{\text{total}} = R_1 + R_2 + R_3$$

$$R_{\text{total}} = 5 \text{ k}\Omega + 3 \text{ k}\Omega + 2 \text{ k}\Omega = 10 \text{ k}\Omega$$

$$U = 0,1 \text{ A} \cdot 1000 \Omega = 100 \text{ V}$$

Jawab: 100 V

CU

$$R_1 = 0,05 \Omega$$

$$R_2 = 0,03 \Omega$$

$$R_3 = 0,02 \Omega$$

35

W2

Dik:

$$m = 15 \text{ T}$$

$$V_k = 10 \text{ m}^3$$

$$m_{\text{bag}} = 50 \text{ kg}$$

$$\rho_{\text{bag}} = 0,09 \frac{\text{kg}}{\text{m}^3}$$

$$\rho_{\text{bag}} = 1000 \frac{\text{kg}}{\text{m}^3}$$

$$g = 10 \frac{\text{m}}{\text{s}^2}$$

Hmax = ?

Jawab:

$$a) H = 700 = 0,09 \cdot 70 = 6,3$$

$$2000 = 0,09 \cdot 200 = 18 \text{ m}$$

$$100 = 0,09 \cdot 10 = 0,9$$

$$50 = 0,09 \cdot 5 = 0,45 \approx 0,5$$

$$H_{\text{max}} \approx 2350 \text{ m}$$

Jawab: 2350 m

$$b) h_x = \frac{H}{V}$$

$$h_x = \frac{700 \text{ m}}{2,7 \text{ m}} = 259 \text{ m}$$

Jawab: 259 m

05

$$n = \frac{\sum p_i}{\sum p_i} \quad n = \frac{M}{p, Q_1}$$

Второй закон распределения.

$$n = \frac{n_1 + n_2 + n_3 + n_4}{4}$$

$$n(1) \approx 1,33, \quad n = \frac{84 + 180 + 90 + 90}{4} = 45$$

Ответ: 1,33; 45

105

ответ: 275

Ев
БС