

II ( )

7

-2 40 .

1

: )

$$v = 5,18 \text{ / .}$$

; )

?

; )

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)

$$v_H = 0$$

)

$$v_B = 2 \cdot v = 10,36 \text{ /}$$

)

,

$$v_{\Gamma} = v = 5,18 \text{ / ,}$$

-

-

$$v = v = 5,18 \text{ / .}$$

$$v\sqrt{2} .$$

- 90.

60

30

30

15

2

$$t_3 = 40$$

$$l = 5$$

$$t_2 = 1$$

$$t_1 = 20$$

$l_1$

$$l_1 = (v_K - v_B) \cdot t_1,$$

$v -$

$$l = 5$$

$$v_B = \frac{l}{t_1 + t_2 + t_3} = 2,5 \text{ /}$$

$$t_3 = \frac{l + l_1}{v_K + v_B} = \frac{l + (v_K - v_B) \cdot t_1}{v_K + v_B}$$

$$v_K = \frac{l - v_B(t_1 + t_3)}{t_3 - t_1} = 7,5 \text{ /}$$

80  
40  
20  
3

- 100.

$$v_1 = 36 \text{ / ,}$$

$$v_2 = 48 \text{ / ,}$$

$$v_3 = 96 \text{ / .}$$

$$v_2 = \frac{v_2 + v_3}{2} = 72 \text{ / .}$$

$$t_1 = \frac{S}{2v_1}, \quad t_2 = \frac{S}{2v_2}.$$

$$v = \frac{S}{t_1 + t_2} = \frac{2v_1 v_2}{v_1 + v_2} = \frac{2 \cdot 36 \cdot 72}{36 + 72} \text{ / } = 48 \text{ / .}$$

50  
20  
4

- 100.

,  $m_1 = 24$  .  
,  $m_2 = 29$  .

$$m_1 = m + \dots_1 V \quad m_2 = m + \dots_2 V \quad V = \frac{m_1 - m}{\dots_1} = \frac{m_2 - m}{\dots_2},$$

$$m = \frac{\dots_2 m_1 - \dots_1 m_2}{\dots_2 - \dots_1} = 4 \text{ .}$$

40  
20  
15

- 60.

$$\dots = 1000 \frac{\dots}{3}$$

$$\dots = 700 \frac{\dots}{3}$$