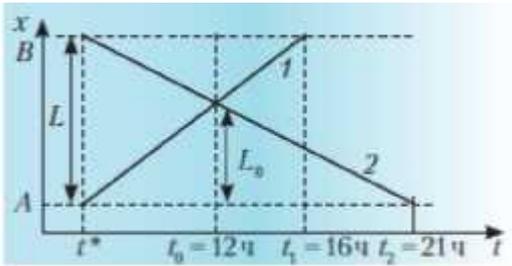


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$$\frac{L}{L_0} = \frac{t_2 - t^*}{t_2 - t_0};$$

$$\frac{L}{L - L_0} = \frac{t_1 - t^*}{t_1 - t_0} \Rightarrow 1 - \frac{L_0}{L} = \frac{t_1 - t_0}{t_1 - t^*}$$

$$(12 - \tau) = \frac{L-l}{v} \text{ и } (16 - 12) = \frac{L-l}{u}. \quad (1)$$

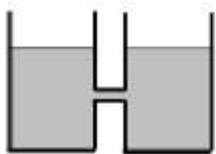
$$(16 - \tau) = \frac{L}{u} \text{ и } (21 - \tau) = \frac{L}{v}. \quad (2)$$

$$\frac{v}{u} = \frac{4}{12 - \tau} \text{ и } \frac{16 - \tau}{21 - \tau} = \frac{v}{u}. \quad (3)$$

$$\frac{16 - \tau}{21 - \tau} = \frac{4}{12 - \tau}. \quad (4)$$

$$\tau^2 - 24\tau + 108 = 0. \quad (5)$$

6 6 , 6 18 .



m

(M/2 + m),

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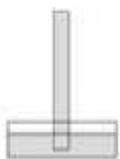
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), $M/4 + m$ /4 o (è $M/2 - m$.
 $m = M(\text{o-})/8 \text{o}$,
 $(M/2 + m)g/S - Mg/4S =$
 $(M/2 - m)g/S - Mg/4S \text{ o};$ $m = M(\text{o-})/8 \text{o}$.

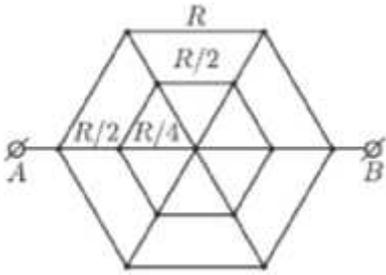
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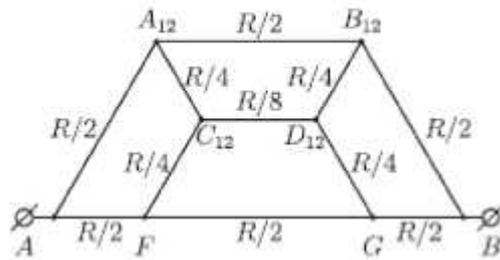
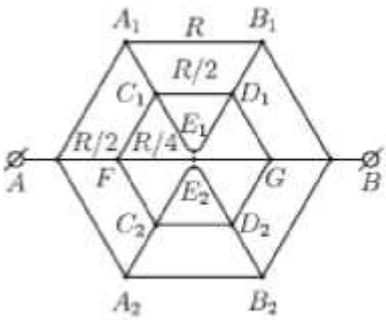
R/2,

R/2,

R/4.

B

E1, E2



A1 A2, B1 B2,

C1 C2, D1 D2

A12 F, B12

G

13R/20.

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 2