

II ( )

7

1. (6 )

L - ;  
 $V_0 -$  ;  
 $V_1 = V_0 + V_p -$  ;  
 $V_2 = V_0 - V_p -$  .  
 $L = V_1 t_1 = (V_0 + V_p) t_1$       $L = V_2 t_2 = (V_0 - V_p) t_2$   
 ,      $V_p = L (2 )$

$V_p = \frac{V_0(t_2 + t_1)}{t_1 + t_2}$       $L = \frac{2V_0 t_1 t_2}{t_1 + t_2}$  ;      $t = \frac{2t_1 t_2}{t_1 + t_2} (2 )$   
 $t = 113$       $. = 1 . 53$       $. (2 )$

2. (10 )

$12 * 120 = 1440$  ,      $10 * 60 = 600$  ,      $16 * 180 = 2880$  . (2 )  
 840      $840 / 60 = 14$  / .

(2 )

$2880 / 3 = 960$  ,     -  
 $: (60 + 60 * 360 / 840) = 600 / 7$  . (2 )  
 $960 / (600 / 7) = 11,2$  / . (2 )

,  $1440 / 60 = 24$  / .

(2 )

3. (8 )

$\frac{540}{0,54} = 1000$  , (2 )

,      $1000$  . (2 )  
 $1000 * 1000 * 1000 = 1000000000$  ,

$m = \frac{55000000}{1000000000} = 0,055 ( )$  . (4 )

4. (10 )

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