

**8**

**1.**

S – , S<sub>1</sub> – , t –

1. C  $-v_1 = \frac{S}{2t}$

2. C  $-v_2 = \frac{2S}{t}$

3.  $t = \frac{S_1}{v_1} + \frac{S_2}{v_2} = \frac{2S_1 t}{S} + \frac{(S - S_1)t}{S}$

4.  $S_1 = \frac{S}{3} = 20$

:

1 - 2 ;

2 - 2 ;

3 - 3 ;

- 3 .

**2.**

1. 8 , = 8

2. - :  $\rho = \frac{F(0)}{ga^3} \approx 2,6\frac{—}{3}$

3. :  $F_A = F(0) - F(8) = 4$

4. :  $\rho_0 = \frac{F_A}{ga^3} \approx 0,8\frac{—}{3}$

:

1 - 2 ;

2 - 3 ;

3 - 3 ;

- 2 .

3.

1.  $m(t - \Theta) = m(\Theta - t)$  (1)

2.  $\Theta = \frac{m t + m t}{m + m} = 30^0$  (2)

3.  $m(t - \Theta) = m(c(0^0 - t) + \lambda + (\Theta - 0^0))$  (3)

4.  $m = \frac{m(t - \Theta)}{(c(0^0 - t) + \lambda + (\Theta - 0^0))} \approx 52,3$  (4)

5. ,  $N=7$

1. (1) **1**

2. (2) **2**

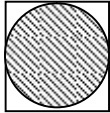
3. **1**

4. (3) **2**

5. (4) **3**

6. **1**

4.

1. , 

2. ,

3. ,  $A = mg S, S -$

5. .1-3 ,  $S < S$

6. .

:

1 - 4 ;

2 - 1 ;

3 - 1 ;

- 1 ;

- 2 ;

- 1 .