

1

1/6

S,

$$S_1 = S - \frac{1}{6} S, \tag{1}$$

$$S_2 = \frac{1}{6} S. \tag{2}$$

t , ...

$$S_1 = V_1 t, \quad S_2 = V_2 t.$$

$$V_1 t = S - \frac{1}{6} S, \tag{3}$$

$$V_2 t = \frac{1}{6} S. \tag{4}$$

(3) (4)

$$\frac{V_1}{V_2} = \frac{S - \frac{1}{6} S}{\frac{1}{6} S} = 5.$$

(1) 2

(2) 1

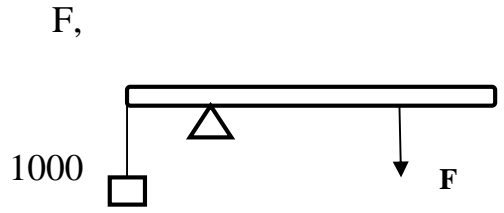
(3) (4) 5

..... 1

..... 1

2000 / 3

F
/ 3.



$$mgl_1 = Fl_2, \tag{1}$$

m - , l₁ - , l₂ - F

$$F = V g,$$

$$V = \frac{m}{\rho_{\text{тела}}}.$$

$$(mg - \frac{m}{\rho_{\text{тела}}}g) = F l_3, \tag{2}$$

l₃ - F .

(1) (2)

$$\frac{l_2}{l_3} = \frac{m}{m - \rho \frac{m}{\rho_{\text{тела}}}} = \frac{m}{m(1 - \frac{\rho_B}{\rho_T})} = \frac{1}{1 - \frac{1000}{2000}} = 2$$

.. F .

- 2
- 2
- 3
- 2
- 1

3

10 ,
10

2000 / ³,

1000 / ³,

g = 10 / .

$$F = mg$$

$$F = V g,$$

$$V = \frac{m}{\rho_{\text{тела}}}.$$

$$F = mg - \frac{m}{\rho_{\text{тела}}} g,$$

$$= Fh = (m - \frac{m}{\rho_{\text{тела}}} \rho_{\text{воды}}) gh = m gh (1 - \frac{\rho_{\text{воды}}}{\rho_{\text{тела}}}) = 10 \cdot 10 / \cdot 10 (1 - \frac{1 \text{ кг/м}^3}{2 \text{ кг/м}^3}) =$$

$$= 500 .$$

..... 1

..... 2

..... 2

..... 4

..... 1

4

$$80\%, \quad 100, \quad -20^\circ, \quad ,$$

$$+20^\circ . \quad , \quad =$$

$$3,3 \cdot 10^5 / , \quad = 2,1 \cdot 10^3 / .^\circ , \quad = 4,2 \cdot 10^3 / .^\circ . \quad =$$

$$Q = N ,$$

- , N - , - .

$$Q_1 = m (t - t),$$

$$Q_2 = m ,$$

$$Q_3 = m (t - t).$$

$$N = m (t - t) + m + m (t - t),$$

$$= \frac{m_{II} [C_{II} (t_{II} - t_{II}) + \lambda_{II} + C_B (t_B - t_{II})]}{\eta N} = \frac{0,1 [2,1 \cdot 10^3 (0 - (-2)) + 3,3 \cdot 10^5 + 4,2 (2 - 0)]}{0,8 \cdot 1} = 570 () =$$

$$= 9,5$$

..... 1

, 1

, 1

, 1

.....	4
.....	1
.....	1