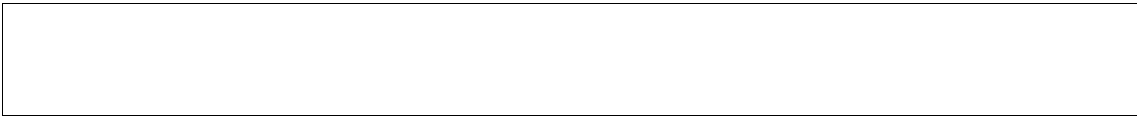


16/6/2014

:



1. $R_1 = 4$, $R_2 = 12$
(R)

I.

II.

i) μ μ : 1, 2

ii) H V V_1, V_2
 μ :

$V = V_1 = V_2$ $V_2 = V_1 + V$ $V_1 = V_2 + V$ $V = V_1 + V_2$

2. μ μ μ

I. μ μ μ

II. μ μ μ μ μ

III. μ μ μ μ μ μ

3. μ μ μ μ

μ μ $F.$ μ μ (r) μ
 μ : ($2r$),

.....

$\mu \quad \mu$

μ

1. $R_1 = 4, R_2 = 12$

)

$$\frac{1}{R} = \frac{1}{R_1} + \frac{1}{R_2}$$

$$\frac{1}{R} = \frac{1}{4} + \frac{1}{12}$$

$$\frac{1}{R} = \frac{3}{12} + \frac{1}{12}$$

$$\frac{1}{R} = \frac{4}{12} = \frac{1}{3}$$

$$\frac{1}{R} = \frac{4}{12}$$

$$\frac{R}{1} = \frac{12}{4}$$

$R = 3$

2o $R = \frac{R_1 \cdot R_2}{R_1 + R_2} = \frac{4 \cdot 12}{4 + 12} = \frac{48}{16} = 3$

)

$R = R_1 + R_2 = 4 + 12 = 16$

- i)
- ii)

2. μ

μ

3. μ . 23

$\mu (q_1 \quad q_2) \quad \mu (F) \mu \quad \mu$

$\mu \quad \mu \quad \mu : (r)$

$$F = K \frac{q_1 \cdot q_2}{r^2}$$

$\mu F \quad \mu \quad \mu \quad \mu \quad \mu \quad r \quad \mu$

4.)) .45
 (l) μ μ (V) μ μ

$$I = \frac{1}{R} V \quad V = I \cdot R$$

) .70
 μ μ μ μ μ μ μ μ
 μ μ μ μ μ μ μ μ
 Joule μ

) .70
 μ μ μ μ (μ),

5. 1
 2
 3
 4
 5
 6
 7

6. . N = 120, t = 1 min = 60 sec

$$f = \frac{120}{60} = 2 \text{ Hz}$$

$$f = \frac{1}{T}$$

$$T = \frac{1}{f}$$

$$T = \frac{1}{2} = 0,5 \text{ sec}$$

. 1 _____ : μ μ t, μ

μ	1	720
t	0,5	t

$$1 \cdot t = 720 \cdot 0,5$$

$$t = 360 \text{ sec}$$

2 _____

$$f = \frac{1}{t}$$

$$2 = \frac{720}{t}$$

$$t = \frac{720}{2} = 360 \text{ sec}$$

