



# ИСПИТ ИЗ ОСНОВА ЕЛЕКТРОТЕХНИКЕ 1

11. 07. 2013. - Рјешења

1.

$$R_2 = 2\varepsilon_r R_1 = 4,4 \text{ mm}$$

2.

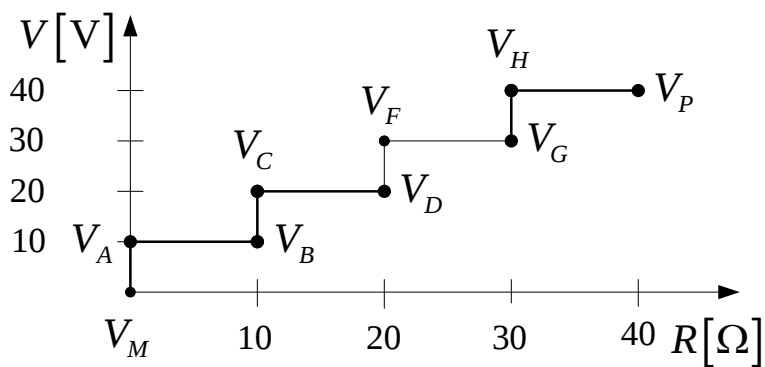
$$\frac{C^*}{C} = 7.$$

3.

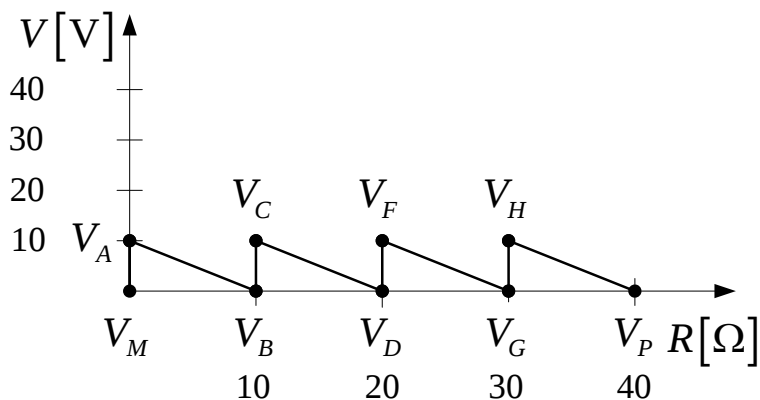
$$\Delta C = C' - C = -5,9 \text{ pC},$$

4.

a)



б)



**5.**

$$\Delta P_{E1} = 150 \text{ mW},$$

$$\Delta P_{E2} = -125 \text{ mW},$$

$$\Delta P_{Ig} = 100 \text{ mW}.$$

**6.**

$$P_{Ig4} = -5,5 \text{ mW}.$$

$$U_{AB} = -10,3 \text{ V}.$$