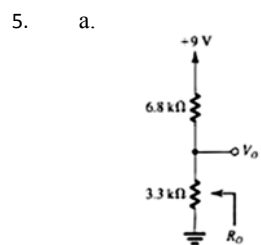


### Soluciones numéricas de los problemas del Tema 1

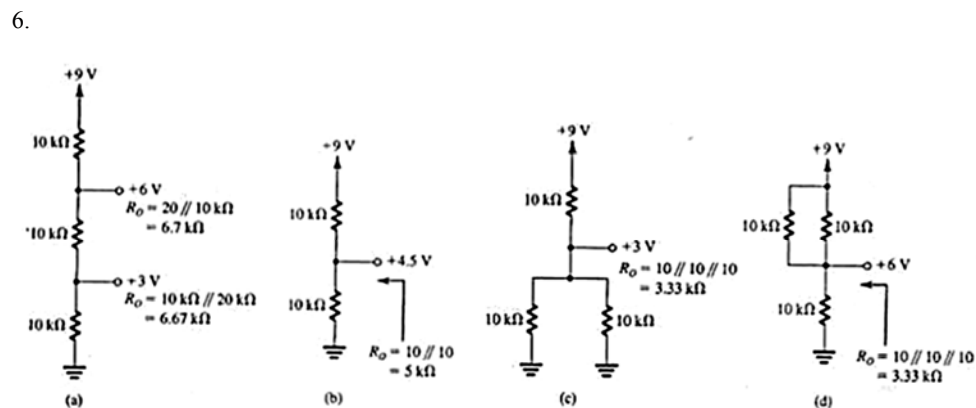
- a. 10mA    b. 10kΩ    c. 100V    d. 0,1A
- a. 10V; 100mW    b. 10kΩ; 10mW    c. 0,1A; 100Ω    d. 10V; 1kΩ    e. 31,6mA; 31,6V
- 990kΩ; 190kΩ; 90 kΩ; 10kΩ  
9,9kΩ; 9,09kΩ; 5kΩ

4.  $V_0 = V_{DD} \frac{R_2}{R_1 + R_2}$        $R_0 = (R_1 // R_2) = \frac{R_1 R_2}{R_1 + R_2}$

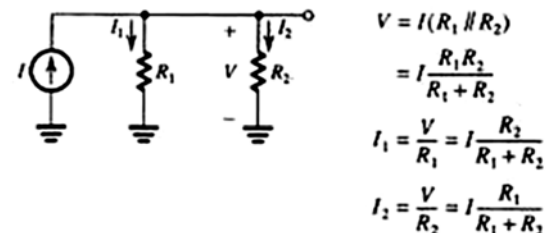


b.  $V_0 = 2,94V$        $R_0 = 2,22k\Omega$

c.  $V_{0,min} = 2,75V$        $V_{0,max} = 3,14V$   
 $R_{0,min} = 2,11k\Omega$        $R_{0,max} = 2,33k\Omega$



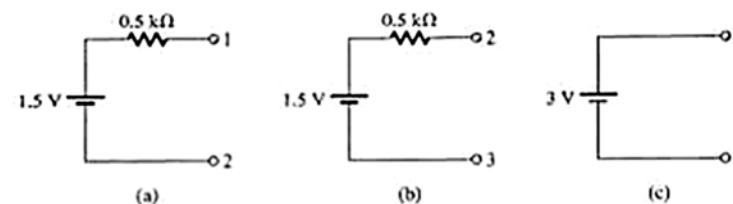
7.



8.

R=250Ω

9.



10.  $V_{th} = 0,77V$        $R_{th} = 6,15k\Omega$        $I = 0,1mA$

11.  $I = 4/3 A$

12.  $v = 4V$

13.  $V_2 = 3V$        $i_2 = 0,6A$

14.  $V_{th} = -8V$        $R_{th} = 12\Omega$