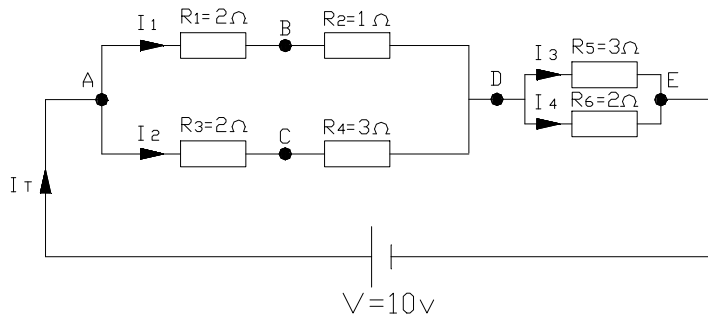


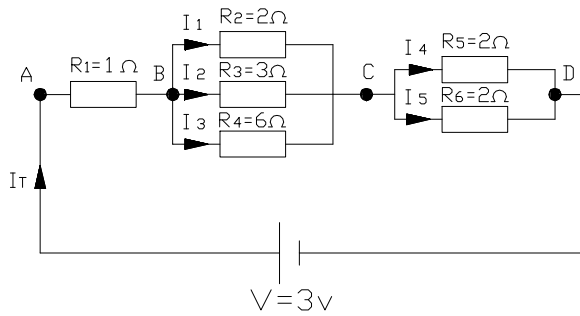
## PROBLEMAS DE ACOPLAMIENTO DE RESISTENCIAS

### Problema n°: 1



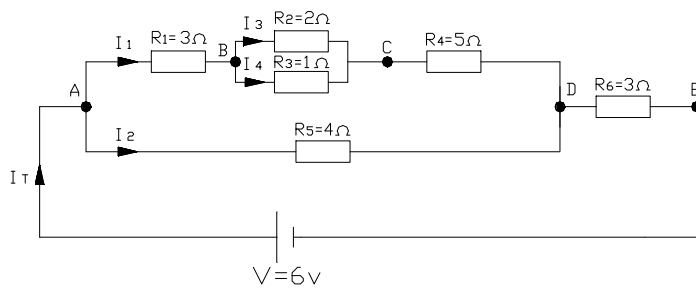
$R_T = 3.075$  ohmios;  $V_A - V_D = 6.1$  v,  $V_D - V_E = 3.9$  v,  $V_A - V_B = 4.06$  v,  $V_A - V_C = 2.44$  v,  $V_B - V_D = 2.03$  v,  $V_C - V_D = 3.66$  v;  $I_T = 3.252$  A,  $I_1 = 2.03$  A,  $I_2 = 1.22$  A,  $I_3 = 1.3$  A,  $I_4 = 1.95$  A.

### Problema n°: 2



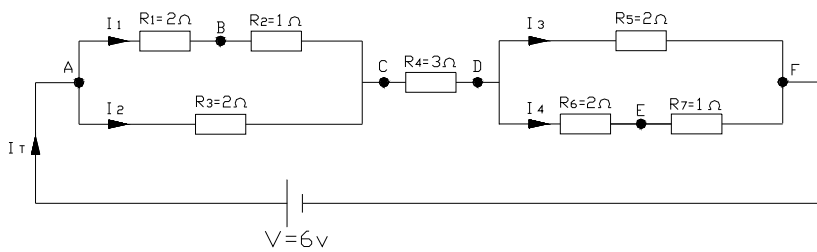
$R_T = 3$  ohmios;  $V_A - V_B = 1$  v,  $V_B - V_C = 1$  v,  $V_C - V_D = 1$  v;  $I_T = 1$  A,  $I_1 = 1/2$  A,  $I_2 = 1/3$  A,  $I_3 = 1/6$  A,  $I_4 = 1/2$  A,  $I_5 = 1/2$  A.

### Problema n°: 3



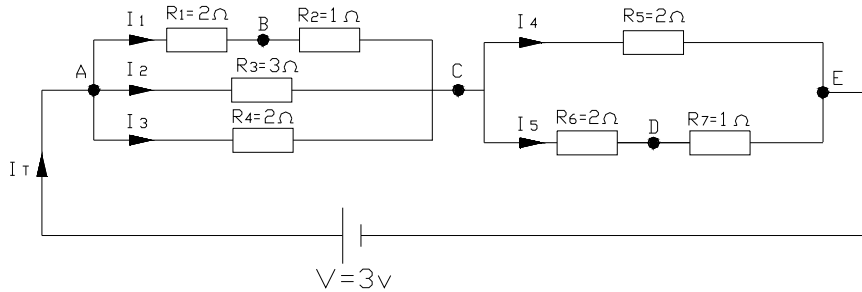
$R_T = 109/19$  ohmios;  $V_A - V_D = 2.86$  v,  $V_D - V_E = 3.14$  v,  $V_A - V_B = 1$  v,  $V_B - V_C = 0.22$  v,  $V_C - V_D = 1.65$  v;  $I_T = 1.046$  A,  $I_1 = 0,33$  A,  $I_2 = 0,715$  A,  $I_3 = 0,11$  A,  $I_4 = 0,22$  A.

**Problema n°: 4**



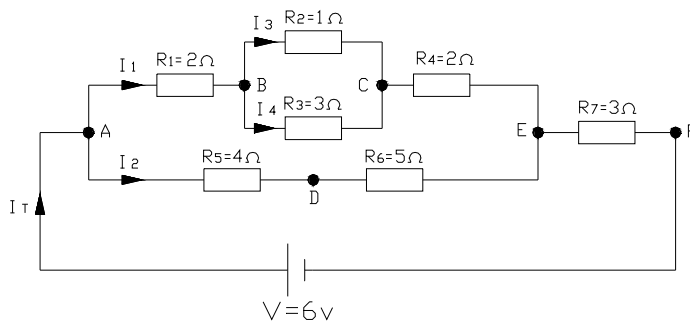
$R_T = 27/5$  ohmios;  $V_A - V_C = 4/3$  v,  $V_C - V_D = 10/3$  v,  $V_D - V_F = 4/3$  v;  $V_A - V_B = 8/9$  v,  $V_B - V_C = 4/9$  v,  $V_D - V_E = 8/9$  v,  $V_E - V_F = 4/9$  v;  $I_T = 10/9$  A,  $I_1 = 4/9$  A,  $I_2 = 2/3$  A,  $I_3 = 2/3$  A,  $I_4 = 4/9$  A.

**Problema n°: 5**



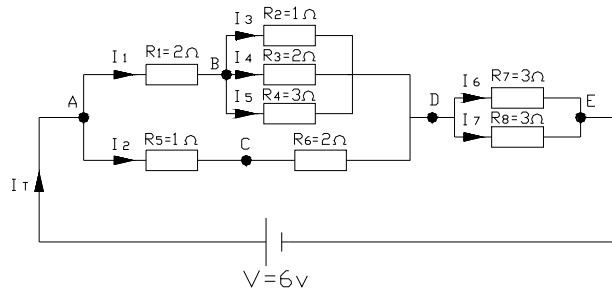
$R_T = 72/35$  ohmios;  $V_A - V_C = 5/4$  v,  $V_C - V_E = 7/4$  v,  $V_A - V_B = 5/6$  v,  $V_B - V_C = 5/12$  v,  $V_C - V_D = 7/6$  v,  $V_D - V_E = 7/12$  v;  $I_T = 35/24$  A,  $I_1 = 5/12$  A,  $I_2 = 5/12$  A,  $I_3 = 5/8$  A,  $I_4 = 7/8$  A,  $I_5 = 7/12$  A.

**Problema n°: 6**



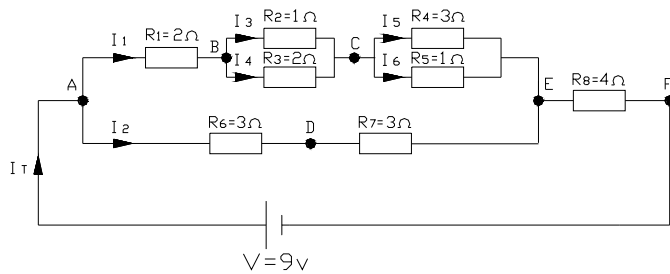
$R_T = 336/55$  ohmios;  $V_A - V_E = 3.05$  v,  $V_E - V_F = 2.95$  v,  $V_A - V_D = 1.36$  v,  $V_A - V_B = 1.28$  v,  $V_B - V_C = 0.48$  v,  $V_C - V_E = 1.28$  v,  $V_D - V_E = 1.7$  v;  $I_T = 55/56$  A,  $I_1 = 0.64$  A,  $I_2 = 0.34$  A,  $I_3 = 0.48$  A,  $I_4 = 0.16$  A.

**Problema n°: 7**



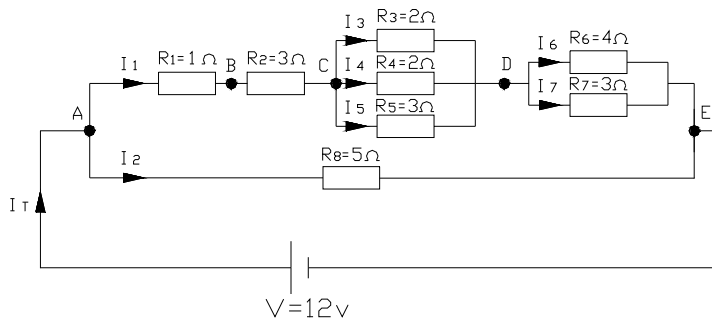
$R_T = 2.87$  ohmios;  $V_A - V_B = 2.26$  v,  $V_A - V_C = 0.96$  v,  $V_A - V_D = 2.88$  v,  $V_B - V_D = 0.62$  v,  $V_C - V_D = 1.92$  v,  $V_D - V_E = 3.12$  v;  $I_T = 2.09$  A,  $I_1 = 1.13$  A,  $I_2 = 0.96$  A,  $I_3 = 0.62$  A,  $I_4 = 0.31$  A,  $I_5 = 0.2$  A;  $I_6 = 1.04$  A,  $I_7 = 1.04$  A.

**Problema n°: 8**



$R_T = 6.17$  ohmios;  $V_A - V_B = 1.86$  v,  $V_A - V_D = 1.59$  v,  $V_A - V_E = 3.16$  v,  $V_B - V_C = 0.62$  v,  $V_C - V_E = 0.70$  v,  $V_D - V_E = 1.59$  v,  $V_E - V_F = 5.80$  v;  $I_T = 1.45$  A,  $I_1 = 0.93$  A,  $I_2 = 0.53$  A,  $I_3 = 0.62$  A,  $I_4 = 0.31$  A,  $I_5 = 0.23$  A,  $I_6 = 0.70$  A.

**Problema n°: 9**



$R_T = 2.82$  ohmios;  $V_A - V_B = 1.85$  v,  $V_B - V_C = 5.55$  v,  $V_C - V_D = 1.39$  v,  $V_D - V_E = 3.17$  v;  $I_T = 4.25$  A,  $I_1 = 1.85$  A,  $I_2 = 2.40$  A,  $I_3 = 0.70$  A,  $I_4 = 0.70$  A,  $I_5 = 0.46$  A,  $I_6 = 0.79$  A,  $I_7 = 1.05$  A.