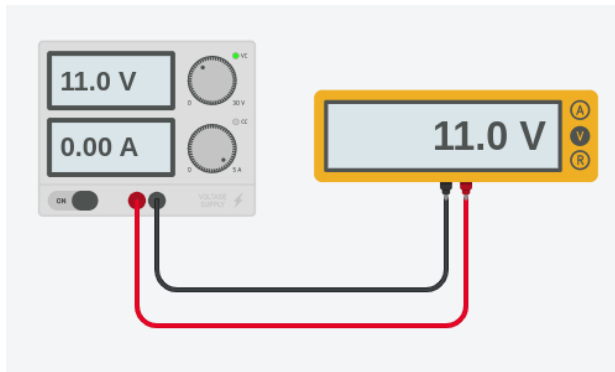
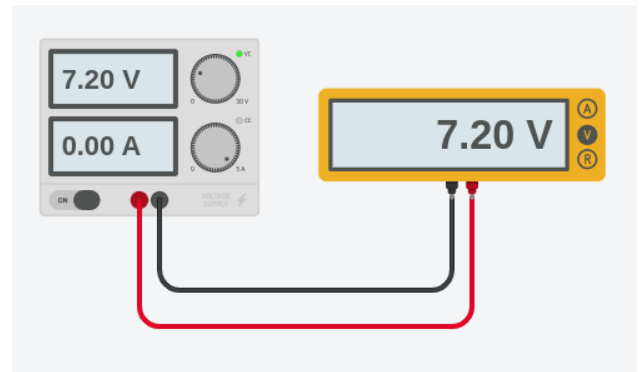


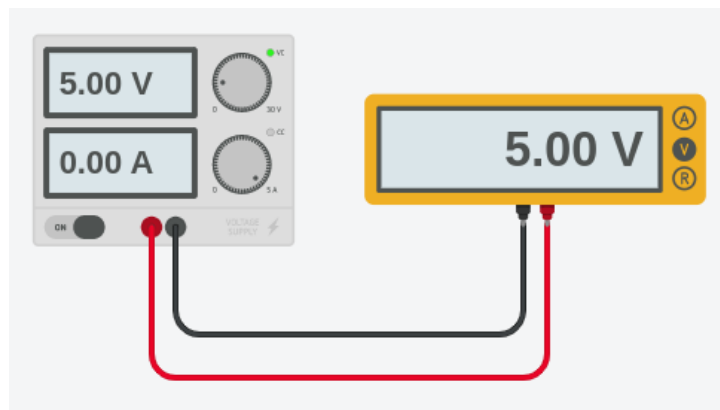
XI - (a)



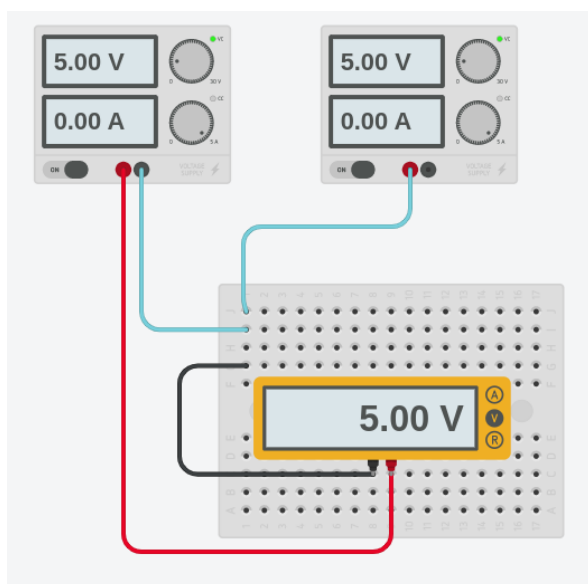
XI - (b)



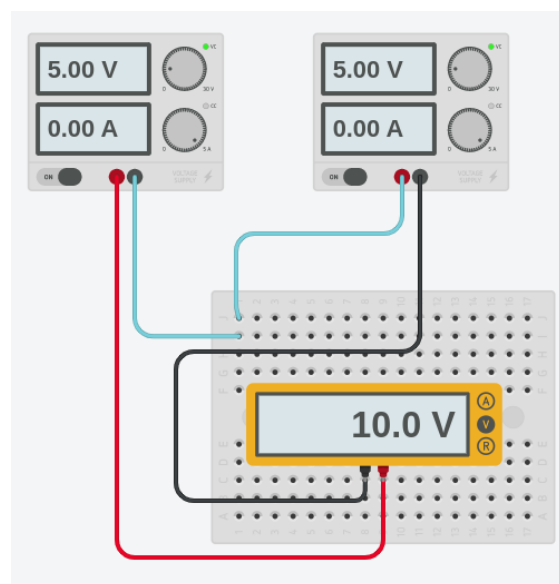
XI - (c)



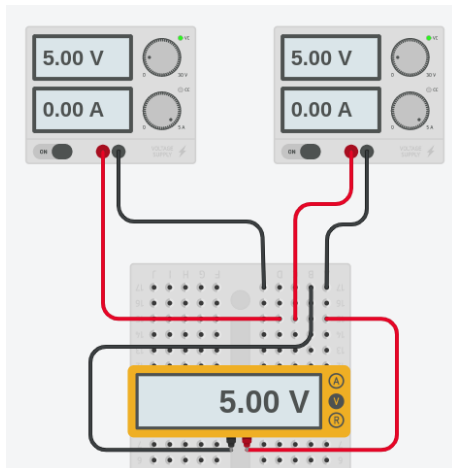
XII - (d)



XII - (e)

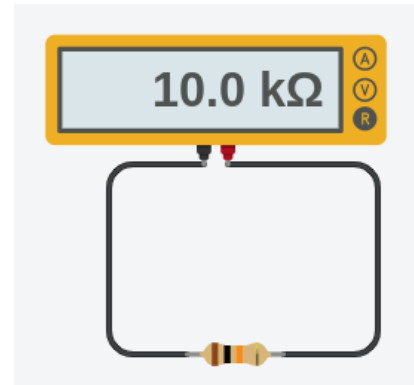


XIV - (f)

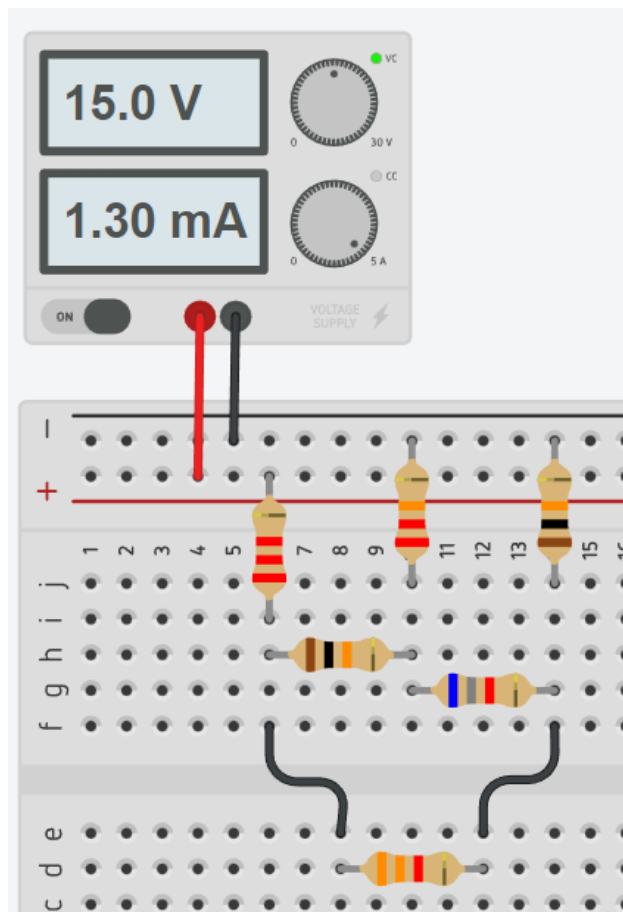


XVI

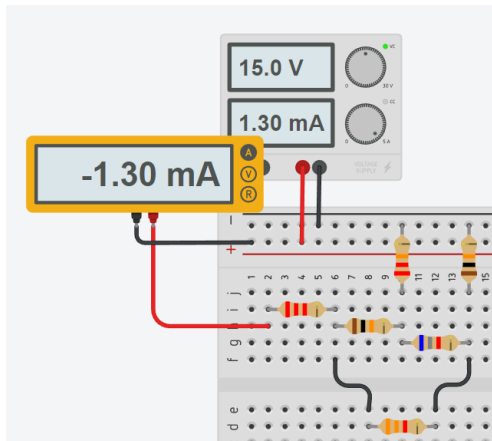
- $R1 = 2.2K$
- $R2 = 10K$
- $R3 = 6.8K$
- $R4 = 3.3K$
- $R5 = 22K$
- $R6 = 10K$



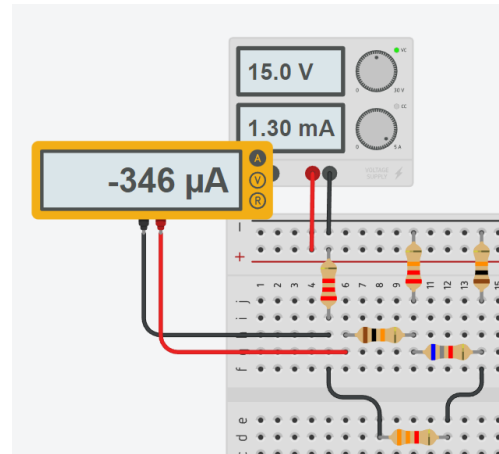
XVII - Circuito armado



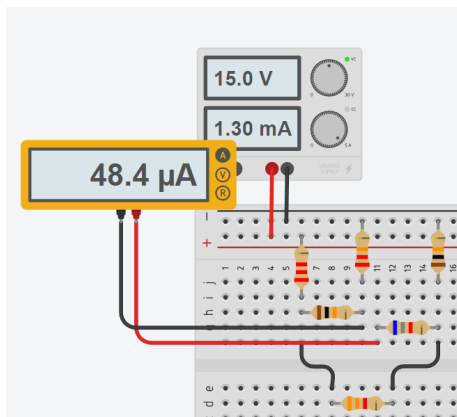
Corrientes



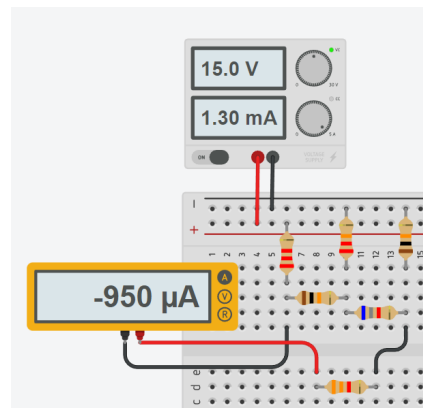
$$i_1 = -1.30 \text{ mA}$$



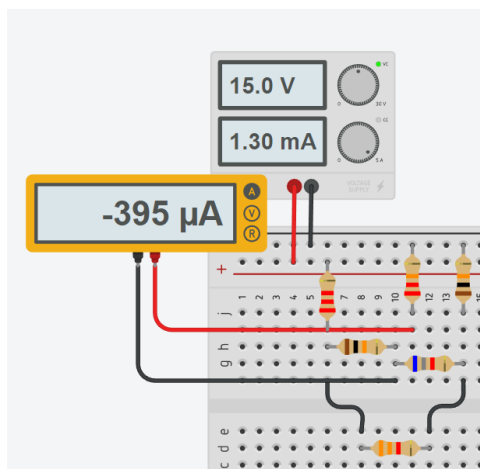
$$i_2 = -346 \mu\text{A}$$



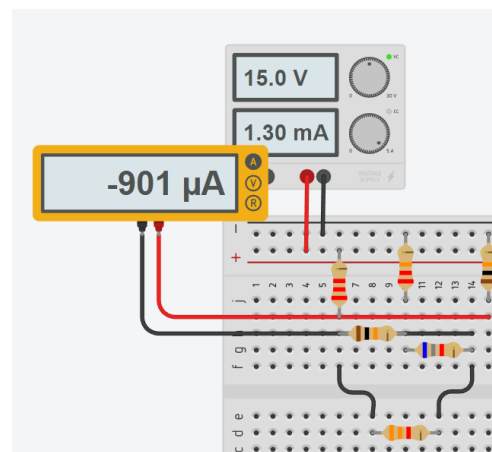
$$i_3 = 48.4 \mu\text{A}$$



$$i_4 = -950 \mu\text{A}$$

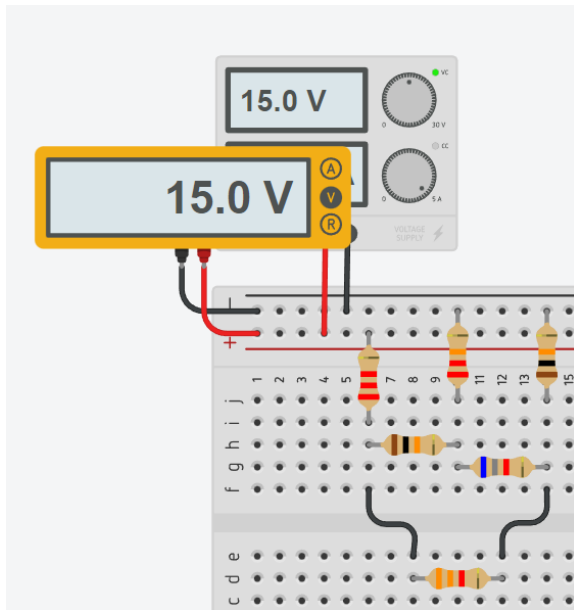


$$i_5 = -395 \mu\text{A}$$

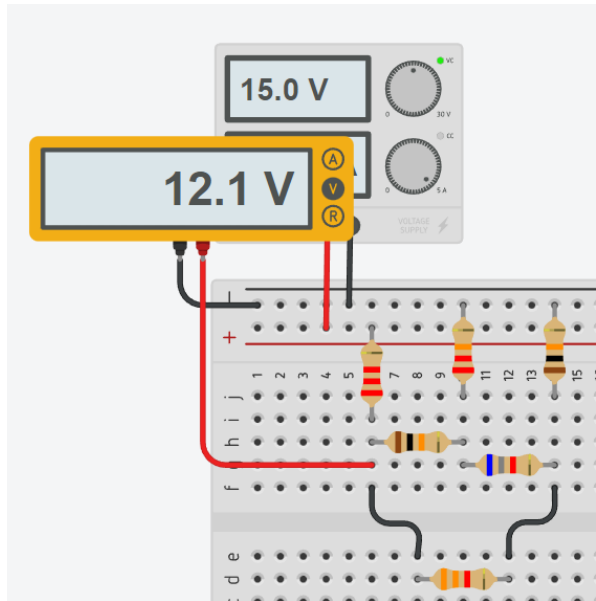


$$i_6 = -901 \mu\text{A}$$

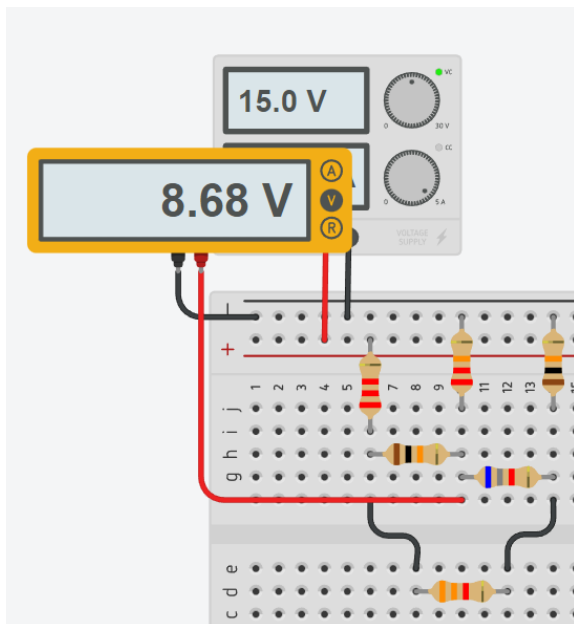
Voltajes referidos a tierra



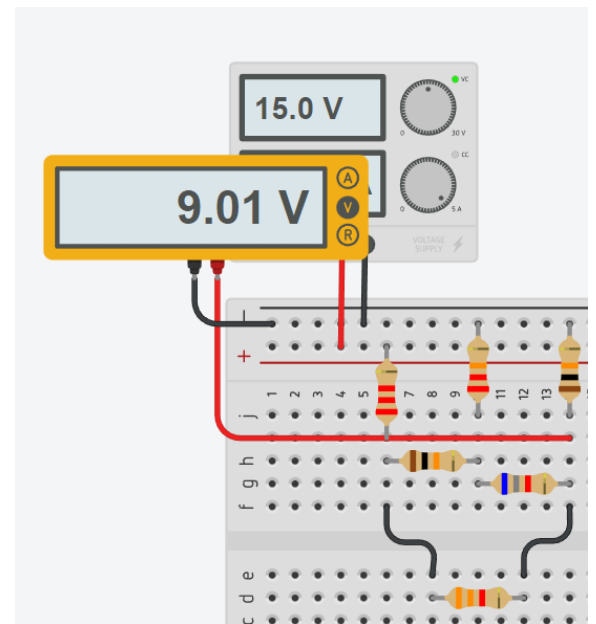
$$V_A = 15V$$



$$V_B = 12.1V$$

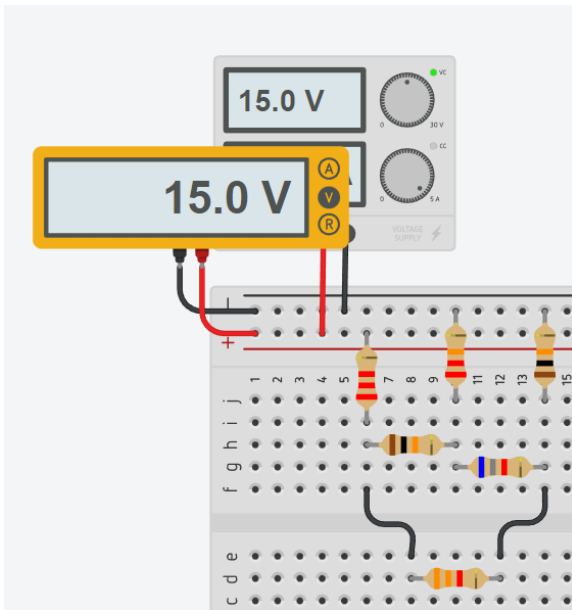


$$V_C = 8.68V$$

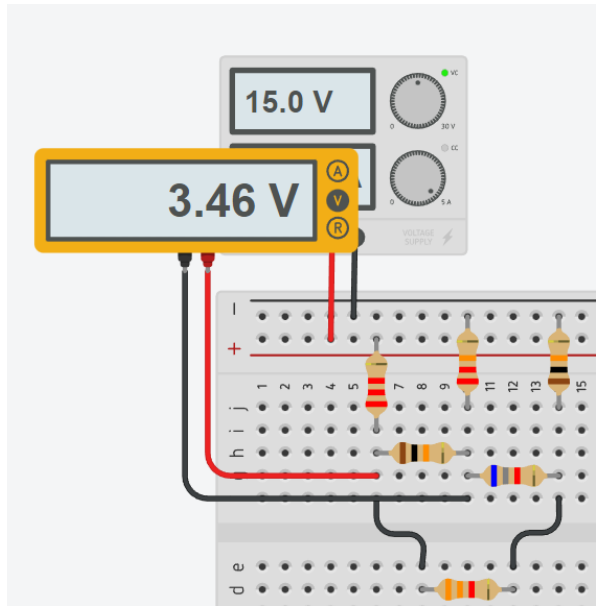


$$V_D = 9.01V$$

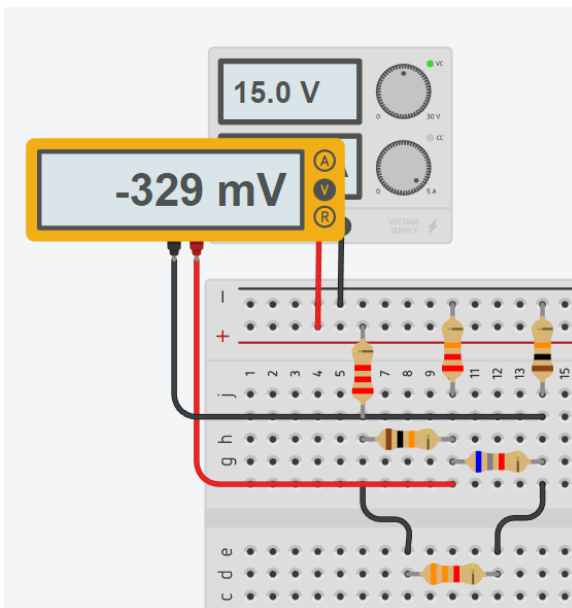
Voltajes entre nodos



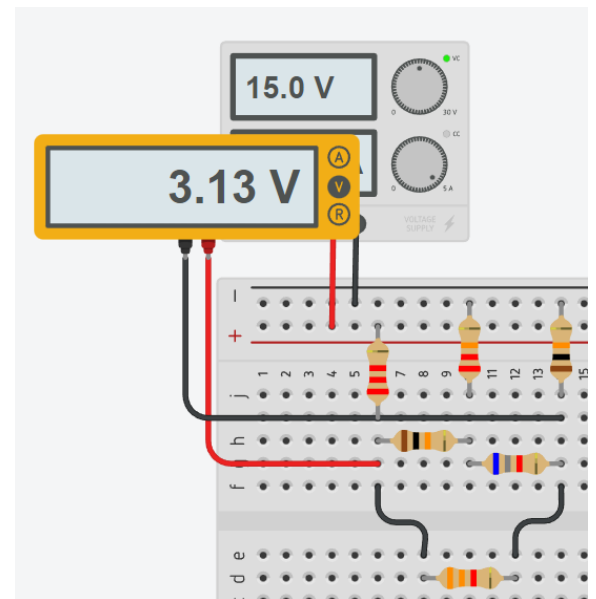
$$V_{AB} = 2.85V$$



$$V_{BC} = 3.46V$$



$$V_{CD} = -329mV$$



$$V_{BD} = 3.13V$$