



$$R_c = \frac{5 \cdot 14}{5 + 14} = 3.684 \Omega$$

$$R_B = \frac{13 \cdot (5 + 3.684)}{13 + (5 + 3.684)} = \frac{112.892}{21.684} = 5.206 \Omega$$

$$R_A = 4 + R_B = 9.206 \Omega$$

$$I_{R1} = \frac{V_A}{R_A} = \frac{5}{9.206} = 0.543 \text{ A}$$

~~$$(V_A - V_B) \cdot R_1$$~~

$$V_B = V_A - I_{R1} R_1 = 5 - 0.543 \times 4 = 2.828 \text{ V}$$

$$V_C = V_B - I_{R3} R_3$$

$$I_{R3} = \frac{V_B}{(5 + R_c)} = \frac{2.828 \text{ V}}{(5 + 3.684) \Omega} = 0.326 \text{ A}$$

$$V_C = 2.828 - 0.326 \cdot 5 = 1.198 \text{ V}$$