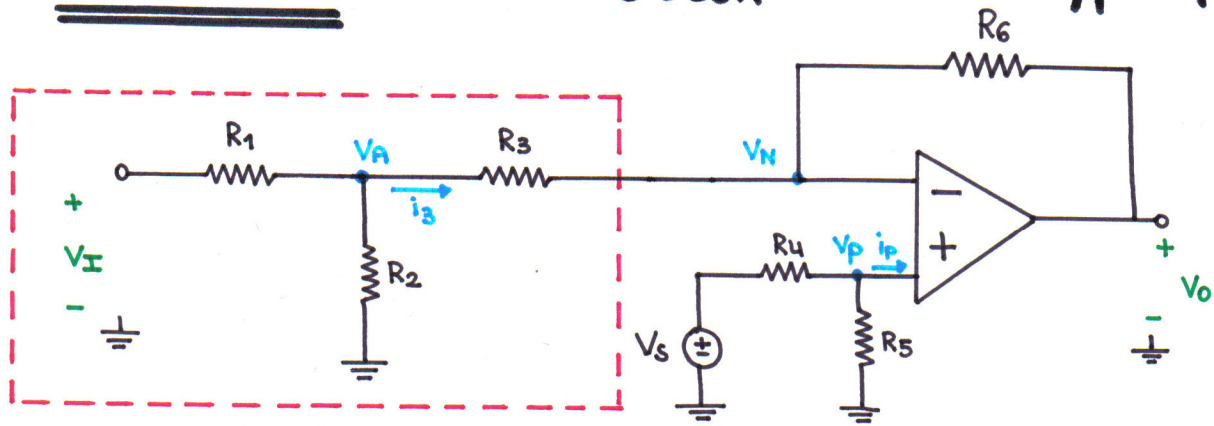
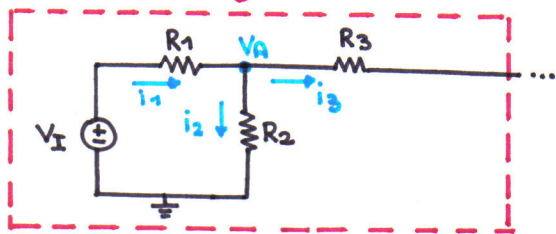


For PROBLEM 2 there have been 2 recurrent types of mistake



⇓ EQUIVALENT TO

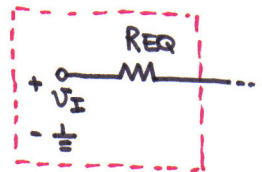


1. if i_3 were \emptyset , then $i_2 = i_3 = \frac{V_I}{R_1 + R_2} \Rightarrow V_A = \frac{R_2}{R_1 + R_2} \cdot V_I$

but $i_3 \neq 0 \Rightarrow V_A = \frac{R_2}{R_1 + R_2} V_I$

NOTE THAT $V_p = \frac{R_5}{R_4 + R_5} V_S$ because $i_p = 0$ and therefore R_4 and R_5 are connected in series.

2. R_1 and R_2 are not connected in parallel so you can't substitute with



where $R_{EQ} = R_1 // R_2 + R_3$