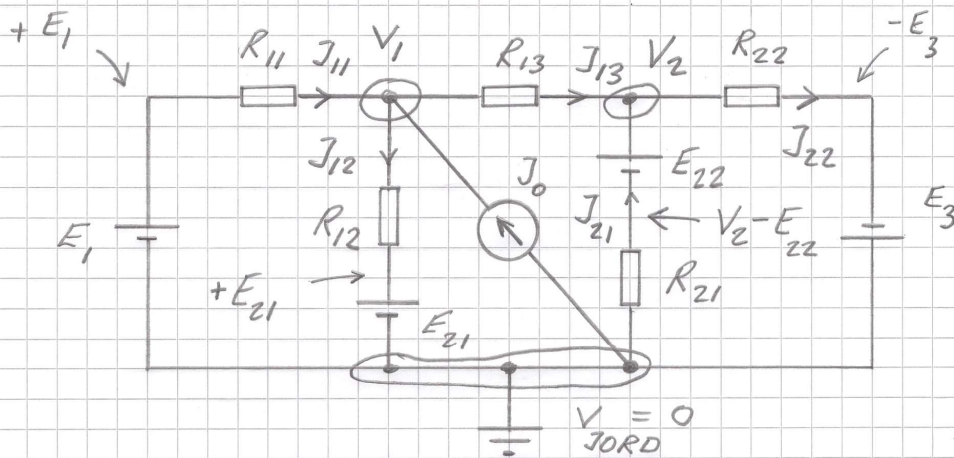


NOD ANALYSIS

$$\text{NOD 1: } J_{11} - J_{12} + J_0 - J_{13} = 0 \dots (1)$$

$$\text{NOD 2: } J_{13} + J_{21} - J_{22} = 0 \dots (2)$$

$$\text{NOD 1: } \frac{E_1 - V_1}{R_{11}} - \frac{V_1 - E_{21}}{R_{12}} + J_0 - \frac{V_1 - V_2}{R_{13}} = 0 \dots (1)$$

$$\text{NOD 2: } \frac{V_1 - V_2}{R_{13}} + \frac{V_{\text{JORD}} - (V_2 - E_{22})}{R_{21}} - \frac{V_2 - (-E_3)}{R_{22}} = 0 \dots (2)$$

$$V_1 = +2,0 \text{ V} \quad V_2 = 0$$

$$J_{13} = \frac{V_1 - V_2}{R_{13}} \rightarrow J_{13} = 2,0 \text{ A}$$