

$$\frac{5N)}{i_{1}} \frac{i_{1}-i_{2}-0}{i_{3}-0}$$

$$\frac{2N}{i_{1}-i_{2}-v_{1}}, i=\frac{v_{1}-0}{R_{2}}$$

$$\frac{i_{3}-\frac{v_{1}+v_{2}}{R_{3}}-v_{2}}{R_{3}}, i_{4}=\frac{v_{2}-0}{R_{4}}$$

sul is its 5Neq => 12-V1 - V1 - (V,+18-1/2) => 36-34-12V1-44-72+4V2=0

$$\frac{\text{Now KCL@V_2 noole}}{\frac{V_1 + 12 - V_2}{R_3} - \text{im} = \frac{V_2 - 0}{R_1} = 0} = \frac{V_1 + 12 - V_2}{7542} - \frac{V_2}{2082} = 74V_1 + 72 - 4V_2 - 600}{7542}$$

$$= \frac{528 = 4V_1 - 19V_2}{V_2 = -29.496}$$
 when $V_2 = -29.496$ $V_3 = -29.496$ $V_4 = -29.496$

$$\vec{i} = \frac{V_1}{25} = \frac{-8.1043}{25} = \begin{bmatrix} -0.3242 & \text{nA} = i \end{bmatrix}$$