Mhat Ho

$$\frac{7}{2}$$

$$\frac{7}$$

$$\frac{for \ V_{z'}}{V_{z}-3}$$

$$I_{1} = \frac{V_{z}-3}{5-2}$$

$$I_{2} = \frac{V_{2}}{3-1}$$

$$I_{3} = \frac{V_{2}-V_{3}}{4-2}$$

Because I, + Iz + I3 = 0

$$\frac{V_{2}-3}{552} + \frac{V_{2}}{352} + \frac{V_{2}-V_{3}}{452} = 0$$

$$=$$
)  $12(V_2-3)+20V_2+15(V_2-V_5)=0$ 

$$(2)$$
  $A7V_2 - 15V_3 = 36 ①$ 

$$I_{4} = \frac{V_{3} - V_{2}}{4 \Omega}$$
,  $T_{5} = \frac{V_{3}}{6 \Omega}$ ,  $T_{6} = \frac{V_{3} - 3}{7 \Omega}$ 

$$(=) \frac{V_3 - V_2}{4} + \frac{V_3}{6} + \frac{V_3 - 3}{7} = 0$$

$$(=) 42(V_3-V_2) + 28V_3 + 24(V_3-3) = 0$$

$$(=) \quad 34 \, V_3 - 42 \, V_2 = 720$$