$$6_0 + J3_0 = V2_0\left(\frac{1}{2_1} + \frac{1}{2_4}\right) + V3_0\left(\frac{1}{2_5} + \frac{1}{2_3}\right)$$

$$6_0 + I_{3_0} = V_{2_0}\left(0.5 - \frac{1}{J5}\right) + V_{3_0}\left(\frac{1}{J4} + 0.25\right)$$

① $6_0 + I_{3_0} = V_{2_0}(0.5 + 0.2J) + V_{3_0}(0.25 - 0.25J)$

② $20\angle 45° = V_{2_0} - V_{3_0}$

equation 2 $\times$ $(0.25 - 0.25J)$

or $0.35 \angle -45$

$7\angle 0 = V_{2_0}(0.25 - 0.25J) - V_{3_0}(0.25 - 0.25J)$

$J0 + 7$

① + ② =

$$67 + I_{3_0} = V_{2_0}(0.25 - 0.05J)$$

$V_{2_0} = \underline{73.41 \angle} 24.121$

$0.255 \angle -11$

$V_{2_0} = 287.88 \angle 35.121$

$\frac{V_{2_0}}{Z_4} = 57.57 \angle 125.121$