المدّمان دوم تعلل ستم المرار م

$$\frac{Z_{b}}{G_{2}} = \frac{Z_{b}}{Z_{b}} = \frac{Z_{b}}{Z$$

$$Y - \Delta \rightarrow X_T^{new} = 0.11 \left(\frac{12}{10}\right)^2 \times \left(\frac{50}{40}\right) = 0.18 \text{ P.U.}$$

$$\chi''_{1,2} = 0.15 \times \left(\frac{10}{132}\right)^2 \times \left(\frac{50}{30}\right) = 0.0013 \text{ P.U.}$$

$$\chi''_{3} = 0.15 \times \left(\frac{12}{12}\right)^{2} \times \left(\frac{50}{40}\right) = 0.1875 \text{ P.u.}$$

$$\begin{cases} S_{3} = 30 \text{ MVA} & P_{M3}(P,u) = \frac{30}{50} = 0.6 P.u \\ V_{L,3} = 10 \text{ KV} & V_{M3} = \frac{90}{12} = 0.83 P.u \times 0.83 P$$