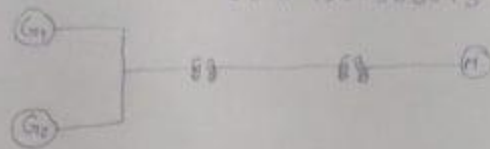


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3 \Rightarrow 40kVA

2400/13600V

$z = j0.1 \text{ pu}$

$$z_{\text{base}} = \frac{(V_{\text{base}})^2}{S_{\text{base}}}, \quad Y_{\text{base}} = \frac{S_{\text{base}}}{V_{\text{base}}^2}$$

$$\begin{aligned} \textcircled{6} \quad z_{g1} \text{ p.u.} &= j \frac{115.2}{57.6} \text{ p.u.} \\ &= j \cdot 2 \text{ p.u.} \end{aligned}$$

$$\begin{aligned} \textcircled{7} \quad z_{g2} \text{ p.u.} &= \frac{j 57.6}{57.6} \text{ p.u.} \\ &= j \cdot 1 \text{ p.u.} \end{aligned}$$

$$\begin{aligned} \textcircled{8} \quad z_3 \text{ p.u.} &= \frac{j 14.4}{57.6} \text{ p.u.} \\ &= j \cdot 0.25 \text{ p.u.} \end{aligned}$$