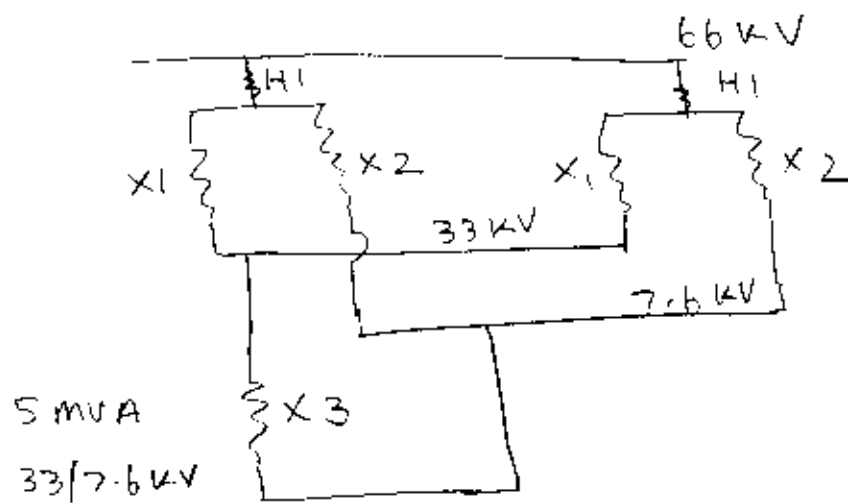


Parallel Operation



$$\begin{aligned} & \text{L L} \\ & 66/33 - 25 \text{ MVA } 7.13\% \\ & 66/7.6 - 5.3 \text{ MVA } 5.04\% \\ & \text{L D} \end{aligned}$$

- For 25 MVA Transformer,

$$66/33 \text{ kV impedance} = H1 + X1$$

$$66/7.6 \text{ kV } " = H1 + X2$$

$$33/7.6 \text{ kV impedance} = X1 + X2$$

All on same MVA base

X3 also to be converted to same MVA base

- For X3 to carry same MVA as H1-X2 circuit

$$X1 + X3 = X2$$

- If H1-X2 is Yd1, then 5 MVA should be Dy1 to keep same vector position. If Yd11, then keep Dy11

(1208)