## WORKSHOP - STRA 5434

Kensting NEV 30+H desbelanceado = 2500 XVA @ FP = 0.85 LAST 20 x 300 feet 6000/est MUA20 = 200 MVA 2.13 miles  $\frac{\lambda_1}{R_1} = \frac{\lambda_0}{R_0} = 3$ Jed = 500 MVA 1.13 13.1247xV = 23.14x A  $T_{cc}^{10} = 3 \frac{500 \text{ mVA}}{\left(\frac{12.47}{2}\right)} = 3T_0 = 23.44 \text{ KA}$ MVA30 = MWAJO => Icc = I

KVA = 3000 + 2100 + 3500 = 9nvA fr≈ 0.9

$$V_{1} = V_{0} - V_{6} \% \Delta V_{01}$$

$$V_{1} = V_{0} \cdot \left[ 1 - \% \Delta V_{01} \right]$$

$$0\% \Delta V_{01} = \frac{9000}{10(12.47)^{2}} \cdot \left[ 0.306.094 \times 1.13 + 0.627 \sqrt{1-69^{2}} \right]$$

$$V_{1} = V_{1} \cdot \left[ 1 - 0.627 \sqrt{1-69^{2}} \right]$$

$$V_{1} = V_{1} \cdot \left[ 1 - 0.627 \sqrt{1-69^{2}} \right]$$

$$V_{2} = V_{1} \cdot \left[ 1 - 0.627 \sqrt{1-69^{2}} \right]$$

$$V_{3} = V_{1} \cdot \left[ 1 - 0.627 \sqrt{1-69^{2}} \right]$$

$$V_{4} \cdot \left[ 1 - 0.627 \sqrt{1-69^{2}} \right]$$

$$V_{5} \cdot \left[ 1 - 0.627 \sqrt{1-69^{2}} \right]$$

$$V_{6} \cdot \left[ 1 - 0.627 \sqrt{1-69^{2}} \right]$$

$$V_{1} \cdot \left[ 1 - 0.627 \sqrt{1-69^{2}} \right]$$

$$V_{2} \cdot \left[ 1 - 0.627 \sqrt{1-69^{2}} \right]$$

$$V_{3} \cdot \left[ 1 - 0.627 \sqrt{1-69^{2}} \right]$$

$$V_{4} \cdot \left[ 1 - 0.627 \sqrt{1-69^{2}} \right]$$

$$V_{5} \cdot \left[ 1 - 0.627 \sqrt{1-69^{2}} \right]$$

$$V_{7} \cdot \left[ 1 - 0.627 \sqrt{1-69^{2}} \right]$$

$$V_{8} \cdot \left[ 1 - 0.627 \sqrt{1-69^{2}} \right]$$

$$V_{1} \cdot \left[ 1 - 0.627 \sqrt{1-69^{2}} \right]$$

$$V_{2} \cdot \left[ 1 - 0.627 \sqrt{1-69^{2}} \right]$$

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$$V_{4} \cdot \left[ 1 - 0.627 \sqrt{1-69^{2}} \right]$$

$$V_{7} \cdot \left[ 1 - 0.627 \sqrt{1-69^{2$$

$$\frac{7}{7.2} = \frac{1000}{7.2} = \frac{1000}{7.2} = \frac{1000}{7.2} = \frac{1000}{7.090} = \frac{1000}{7.10} = \frac{1000}{7.09} = \frac{10000}{7.09} = \frac{1000}{7.09} = \frac{1000}{7.09} = \frac{1000}{7.09} = \frac{1000}{7.09} = \frac{10000}{7.09} =$$

Lyma

7.2 Lo 120. 2.2 Lo 120.