

$$P_{i} = |U_{i}| \sum_{j \in J} |Y_{ij}| |V_{j}| \cos \left(\Theta_{ij} + S_{j} - S_{i}\right)$$

$$Q_{i} = -|U_{i}| \sum_{j \in J} |Y_{ij}| |V_{j}| \sin \left(\Theta_{ij} + S_{j} - S_{i}\right)$$

$$P_{i} = |U_{i}| \sum_{j \in J} |Y_{ij}| |V_{j}| \sin \left(\Theta_{ij} + S_{j} - S_{i}\right)$$

P<sub>2</sub> = |V<sub>2</sub>||V<sub>1</sub>||Y<sub>21</sub>| هع (الح ب الح ب الح الكوا الكورة الكورة (الكورة الكورة الكورة

Pz = 1.03 x1 x 2.74. ces (123.11+0-0) = -1.54

 $[P_2]^{(0)}_{cal} = [-1.54] \longrightarrow \Delta P_2 = 0.6 + 1.54 = 2229 2.14 = 0$ 

Q2 = - |V2 | |V1 | | Y21 | Sin (O21 + S1 - S2) + |V2 | Y21 | Sin O22

5° 2 = 0 Mol CMW (- 8° 2 : Typeson

=> -1.03 x 1 x 2.74 Sin (123.11) = -2.36 = => Q2 = Q2 + Q2 = -2.36 +0.2

عاهدی نوار نے معدیت ( ۱ کے ۵ کا۔ ) صادق ست

 $Q_{2} < Q_{3} = Q_{2} = Q_{3} = -1 = Q_{2} = Q_{2} = -1 = 0.2$   $=> Q_{2} = Q_{3} = -1 = Q_{2} = Q_{2} = -1 = 0.2$   $=> Q_{3} = 0.6 + 1.2 = 1.8 = > -1.2$ 

Si= Vi Ii = Vi Ti Yij Vj = Tidio Vi (Y11 V1 + Y12 V2) = ---