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$$SCS_j = \sum_{i=1}^m P_i U_{ij} W_{ij} \quad ()$$

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P_{oj, nor.} P_{ij, cont.}

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$$P_{m \times 1} = [P_1, P_2, \dots, P_m]^T$$

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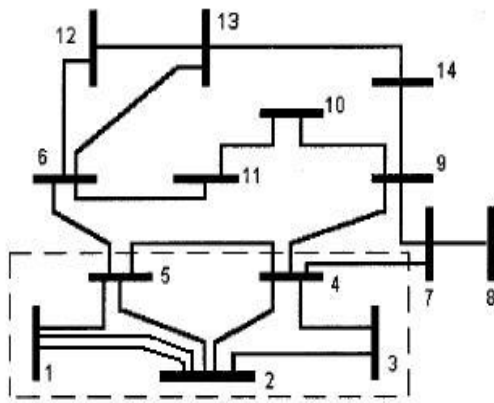
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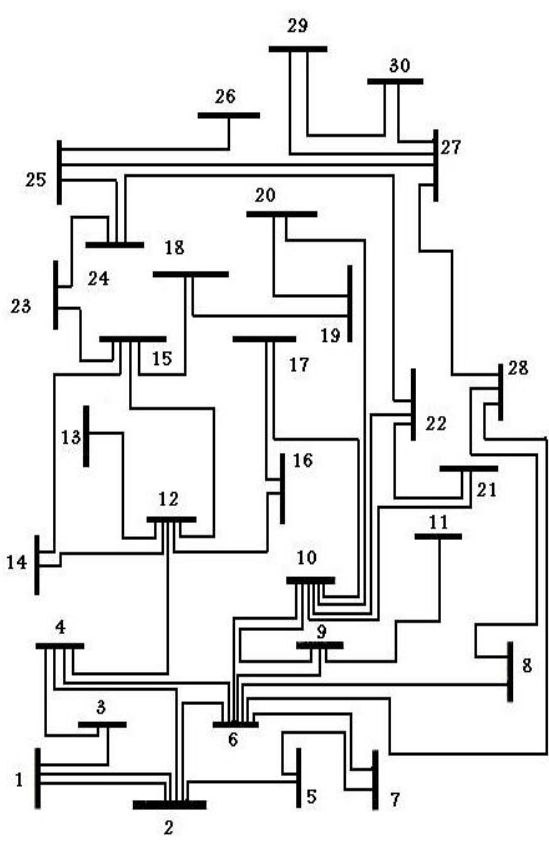
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$$L_j \leq L_{j,crit.}$$

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$$L_j = \left| \frac{\bar{S}_{j+}^*}{\bar{Y}_{jj} + |V_j|^2} \right| \quad ()$$

IEEE

$$\bar{S}_{j+} = \bar{S}_j + \bar{S}_{jcorr} \quad ()$$

TCSC

$$\bar{S}_{jcorr} = \left(\sum_{i \in l} \frac{Z_{ji}^*}{Z_{jj}^*} \times \frac{\bar{S}_i}{\bar{V}_i} \right) \bar{V}_j \quad ()$$

IEEE

- "i" \bar{V}_i
- "j" \bar{V}_j
- (j, j) \bar{Y}_{jj}
- (i, j) \bar{Z}_{ij}
- (j, j) \bar{Z}_{jj}
- : L
- : \bar{S}_i
- : L_j
- : \bar{S}_j
- : \bar{S}_{jcorr}
- j

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		()	(TCSC)	(TCSC)	L_j	L_j (TCSC)	L_j (TCSC)	TCSC	(MW)
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IEEE

		()	(TCSC)	(TCSC)	L_j	L_j (TCSC)	L_j (TCSC)	TCSC	(MW)
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- 1 - Load Shedding
 - 2 - Large scale
 - 3 - Thyristor Controlled Series Capacitor
 - 4 - Flexible AC Transmission System
 - 5 - Single Contingency Sensitivity
 - 6 - Single Contingency
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