UNIT III

LOAD FLOW ANALYSIS

BUS CLASSIFICATION

1. Slack bus or Reference bus or Swing bus:

   |V| and δ are specified. P and Q are un specified, and to be calculated.

2. Generator bus or PV bus or Voltage controlled bus:

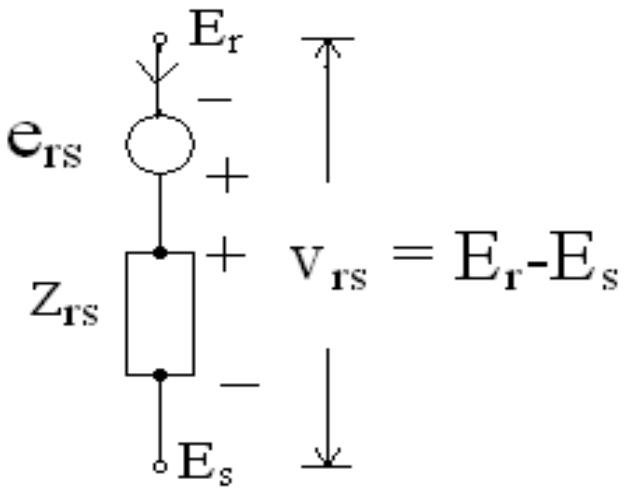
   P and |V| are specified. Q and δ are un specified, and to be calculated

3. Load bus or PQ bus:

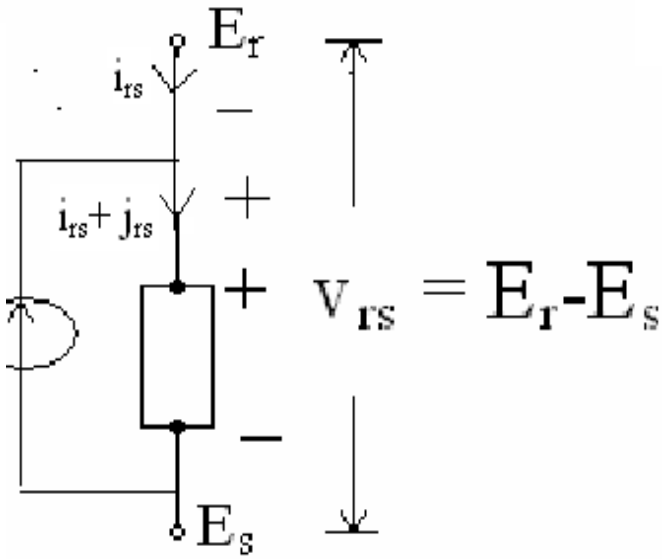
   P and Q are specified. |V| and δ are un specified, and to be calculated

PRIMITIVE NETWORK

It is a set of unconnected elements which provides information regarding the characteristics of individual elements. it can be represented both in impedance & admittance form



Impedance form



admittance form

Thank You