

ASSIGNMENT : 2

1. Explain the method of formation of Y bus using singular transformation method.
2. Explain step of modification of Z- bus when a link is added to the existing network. None of the bus is a ground to which this link is connected.
3. Explain the property of Y- bus matrix.
4. In the equation $Y_{BUS} = A^T Y A$ what are matrices Y and A? also mention their dimensions.
5. From the Y_{BUS} by using singular transformation method for the network show in fig. including the generator buses.

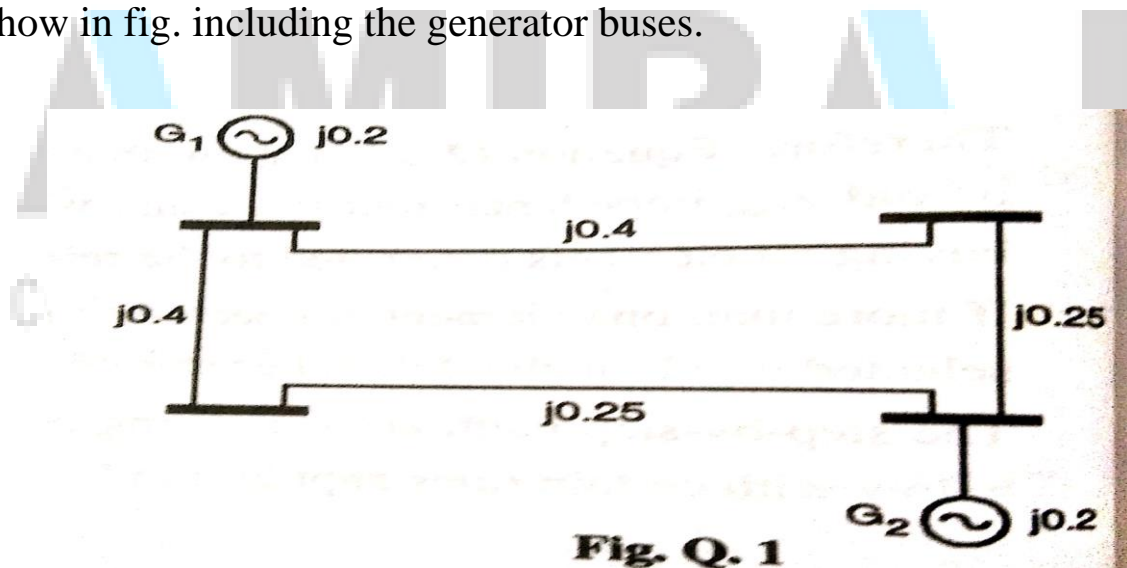


Fig. Q. 1