

1. For the power system presented in figure 1, the *power flows* and *generations* corresponding to the *unconstrained economic dispatch* case are presented in figure 2.
 - a- verify the result of the *unconstrained economic dispatch*.
 - b- determine the solution for the *constrained economic dispatch*.
 - c- then, determine the LMP at every node.

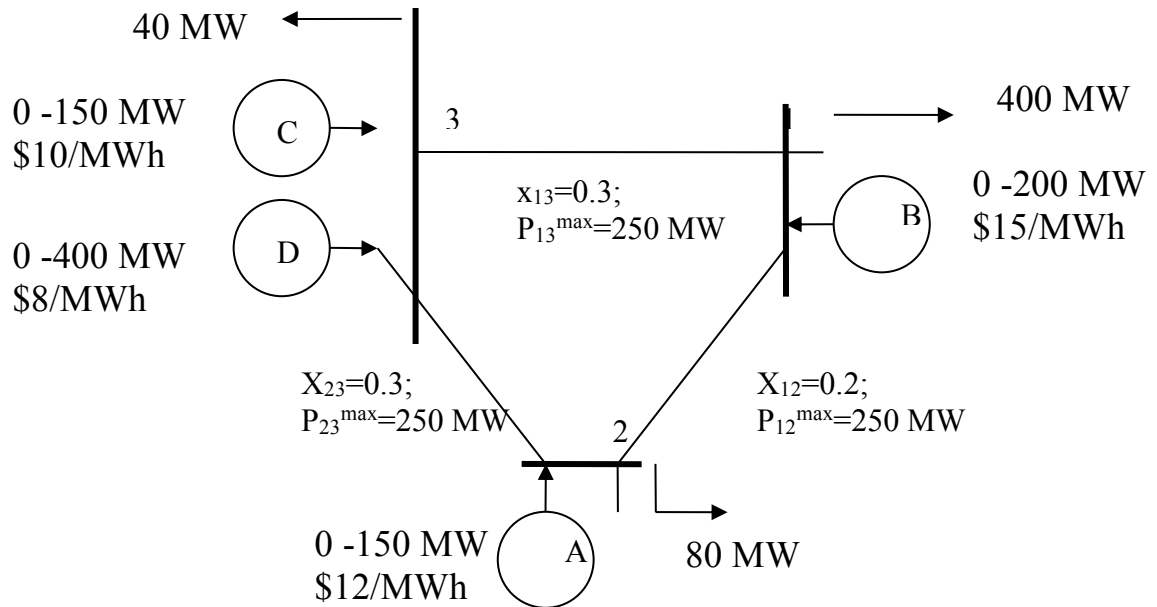


Figure 1 – Data of the problem

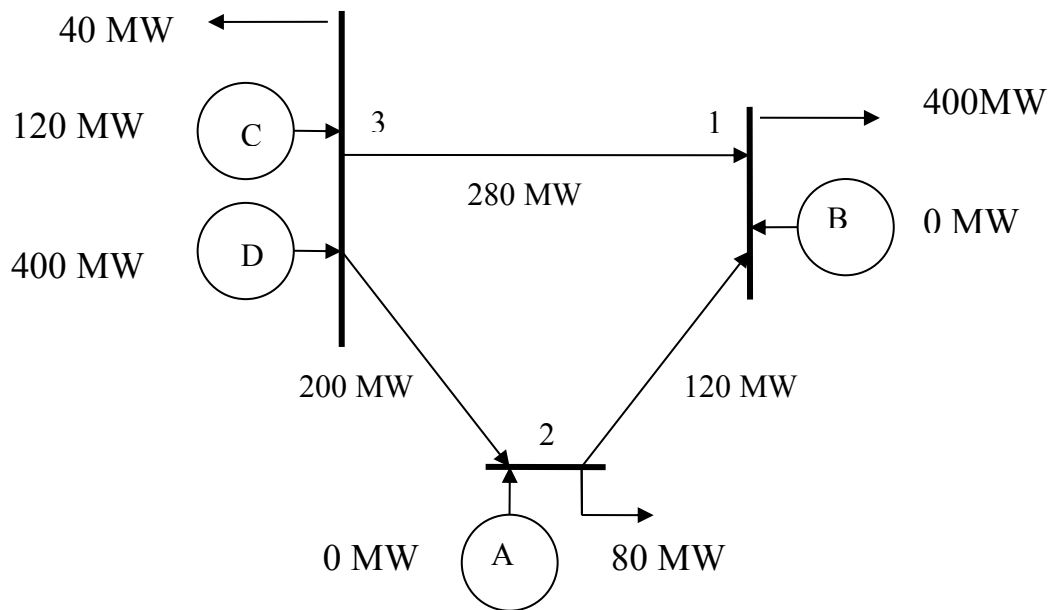


Figure 2 – Unconstrained economic dispatch