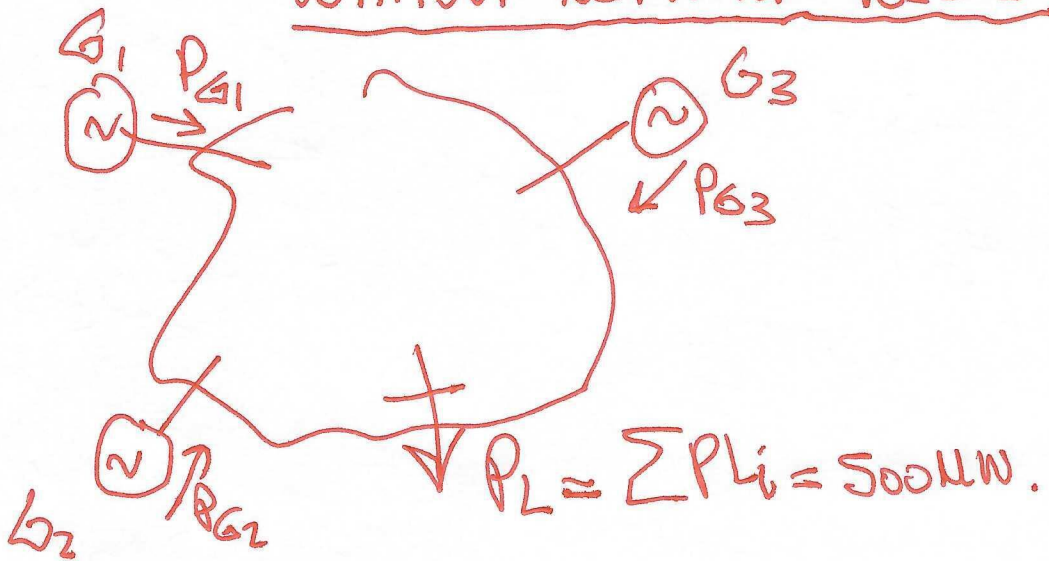


EXAMPLE 3: CLASSIC ECONOMIC DISPATCH  
"WITHOUT NETWORK LOSSES"



INPUT-OUTPUT CHARACTERISTIC:

Assignment Project Exam Help  
<https://tutorcs.com>  
 WeChat: cstutorcs

$$\begin{cases} F_1 = 0.0005 P_{G1}^2 + 0.5 P_{G1} + 6 \\ F_2 = 0.0005 P_{G2}^2 + 0.6 P_{G2} + 5 \\ F_3 = 0.0007 P_{G3}^2 + 0.4 P_{G3} + 3 \end{cases}$$

~~DETERMINE~~ THE ECONOMIC DISPATCH OF  
 THESE GENERATIONS

ANSWER.

$$\begin{cases} P_{G1} = 164.4860 \text{ MW} \\ P_{G2} = 187.3832 \text{ MW} \\ P_{G3} = 148.1308 \text{ MW} \end{cases}$$