

ENEL 487

Practice Set 4

The following questions are based on the 6th edition of “Power System Analysis and Design” by Glover. From Chapters 6 of the book, please attempt the following problems:

- **6.18**
- **6.23**
- **6.28 :**

The posted solution for this question uses the power flow equations with Y_{bus} expressed in polar coordinates (i.e. the equations used in the book). During one of week 11 lectures, we will look at this question using power flow equations with Y_{bus} expressed in rectangular coordinates (i.e. the equations used in lectures)

- **6.30**
- **6.31**