**EE-472 Power System Analysis II**

**Spring 2024 Project–1**

1. **Outputs of the code**

* The code can generate Ybus correctly(I think), however it does not does power flow correctly.

1. **Test results**

* Test results shows that I can generate Ybus correctly but not power flow.

1. **Convergence threshold.**

* I have selected tolerence as 1e-3 and maximum iteration as 20.

1. **Any computational method you used to improve computational performance.**

* I havent use any computational method

1. **Solution time and computer details**

* Converged in 4 iterations.
* Execution time of power flow: 7.762243032455444 seconds
* Also for Ybus; Execution time of Ybus formation: 0.006001710891723633 seconds

1. **Explanation of the solution**

* Parsing cdf file correctly
* Building Ybus matrix and getting necessary information to do power flow
* In power flow; mismatches calculated and if > tolerence builds Jacobian

kar tanesi içeren bir resim

Açıklama otomatik olarak oluşturuldumetin, çizgi, diyagram, yazı tipi içeren bir resim

Açıklama otomatik olarak oluşturuldu