To run the program enter RunFACTORS in Matlab work area.

The program will present all the data files to you in a selectin window, double click on one of the files and the program will then execute on that file. If you want to edit any data file just use Excel spreadsheet program, and be sure to SAVE the file before running the Matlab program (you don’t have to close the spreadsheet program when you run Matlab).

The PTDF and LODF factors are calculated in the matlab program calc\_Factors.m

Your job in this assignment:

Explain how the code on line 127 of calc\_FACTORS works to calculate the PTDF factors.

127 PTDF = Bd\*A\*X\_alt\*(A\_alt');

Extra credit for those of you who love Matlab:

Explain the code in line 161 calc\_FACTORS

161 LODF = PTDF\*inv( eye(numline)-diag(diag(PTFD\_denominator)) );