## Homework #2, Due September 20, 2007 Group Assignment

The purpose of this assignment is to analyze and compare the two systems for voting the Council of Ministers in the EU:

- The current voting method as outlined in the Treaty of Nice
  - i.e. The weighted system with quota  $255\,$
- The voting method outlined in the Reform Treaty

i.e. A proposal requires at least 55% of the members representing at least 65% of the total EU population

There are three major parts to this assignment:

- For each method, calculate and compare the Penrose measures and Banzhaf measure for each nation in the CM-EU, and calculate the sensitivity of the method used in the Council.
- Analyze the resulting two-tier system. Specifically, calculate and compare the mean majority deficit for each method, and calculate and compare the equitability measures for each country.
- Compare the systems and make a case for one over the other. Be sure to thoroughly justify your recommendation and address who the "winners" and "losers" will be.

It may be useful to grab the Excel spreadsheet from the course webpage that contains the current populations for the 27 nations in the EU. You can copy and paste the appropriate data into the web calculator (*ipgenf* or *ipnice*), and then copy and paste the results back into your spreadsheet.

This assignment will be graded out of a total of 45 points.