Math 160 Logic
Assignment # 2

The following questions are just think questions relating to SubtractADivisor. Try to explain your thinking as best you can.

1. We saw in the last homework, there for all the starting numbers for 2 through 10 there was a winning strategy for one of the players. Do you think every starting number has a winning strategy for one of the players?

2. Is it possible to have a starting number that has a winning strategy for each player? Explain.

3. Imagine a world where there are some starting numbers have no winning strategy for either player. There must be a number that is the smallest starting number so that neither player has a winning strategy. Right? If you were to start with that number and make any move what would happen?