**Random Number Generators**

In this research, I dove into the nature of PRNGs and explored more deeply how they work and actually generate random numbers. I then made my own PRNG, though it is a bad PRNG it is somewhat random. To check this, I performed some known tests on the PRNGs and I further explain how machine learning could be used as a technique to test its randomness. Combined with another known good PRNG, like java’s Math.random(), the ML algorithm will use supervised learning to try to determine which PRNG created a given random number and depending on how many correct guesses, the PRNG will be considered good or bad.