1. (10 points) Implement the Fibonacci generator (Eq. (5) in Section 3.2.2) with $m = 1120437$, as in Homework 10 problem #1.

2. (10 points) Apply the Gap Test (3.3.2 C) to both this Fibonacci generator and the linear congruential generator from Homework 10 problem #1, and interpret the results.