



Figure 1. Plot of the gross behavior of the Franciscan sequence 1 to 1151.

prime is 1213, but value 1298 has already appeared and it can't go less than zero by definition, so index 199 is again a forced zero. In general the sequence behaves similarly from here on. (It has been checked to at least 20000 terms.) That is, after a zero it picks up with the next prime, then ping-pongs up and down, generally on ascending evens and descending odds, with an occasional anomaly, until the odds run into the previously used odd numbers, whence after brief bizarre jumping around it again reaches impasse, gets a zero, and resumes at the next prime. Additional zeroes not mentioned in the figure are known to occur at 1997, 3625, 6607, 12269.