Connor White & David Chalifoux

E19

Our genetic algorithm followed a simple setup given by Dr. White. We began by generating a population of large strings of 32 integrators, finding the best fit of two randomly selected integers, one for each parent. Our fitness was decided by splitting the 32 integers into 2 sets of 16 and subtracting the two together, if the number was larger, that was the fittest. After that we created a new generation out of the two parents selected, crossing .6% of the time and mutating the two halves .01% of the time in the new generation. After roughly 1500 or fewer iterations the best chromosome was found.

Best Chromo = (11111111111111110000000000000000)