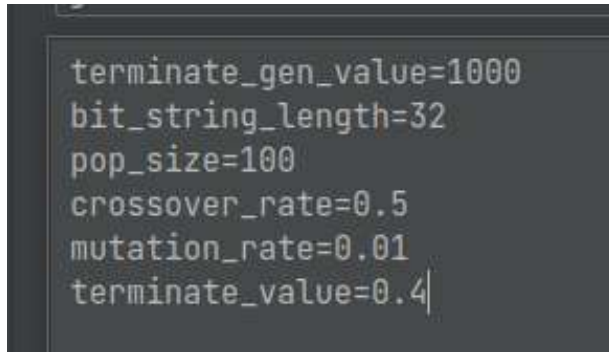


Homework 1 Report / README

Saturday, February 12, 2022 11:46 AM

This homework was done in java with with the Oracle 17.0.2 JDK and has been compiled into a jar
To run it first put in your list of arguments with these names but with spaces in between each arg

A screenshot of a terminal window with a dark background. It displays several command-line arguments for a Java program, each on a new line. The arguments are: terminate_gen_value=1000, bit_string_length=32, pop_size=100, crossover_rate=0.5, mutation_rate=0.01, and terminate_value=0.4. A cursor is visible at the end of the last line.

```
terminate_gen_value=1000  
bit_string_length=32  
pop_size=100  
crossover_rate=0.5  
mutation_rate=0.01  
terminate_value=0.4|
```

Example:

Java -jar Homework1.jar terminate_gen_value=1000 bit_string_length=32 etc...

You can also specify a name with the "name" argument

Part 1 and 2 have been separated into different jar files

For part two the output does make sense biased off the arguments it was given. After looking at the output it gives you, x tries to be as large as possible while y tries to be as small as possible. I did transform the Rosenbrock function by multiplying it by -1 to find the max instead of the min but it finds the same values since my EA was already setup for that.