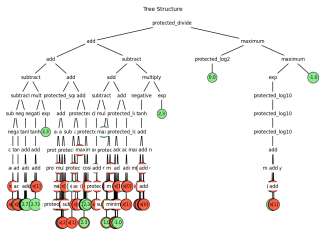
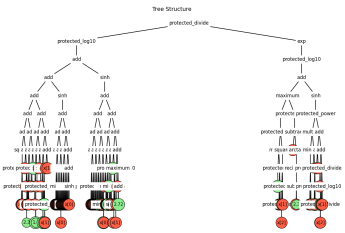
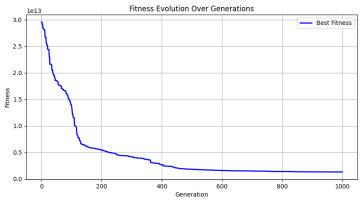
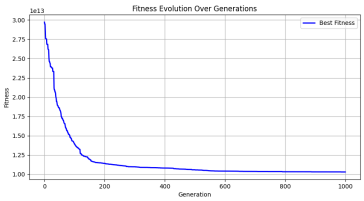
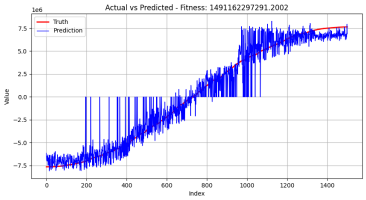
Dataset 2

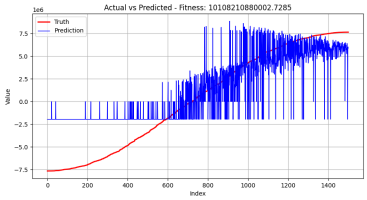
Run	GP Formula	GP Train Fitness
1	protected_divide(add(add(subtract(subtract(subtract(cbrt(cbrt(add(add(x[0], x[0]), x[2]))), negative(tanh(add(add(x[0], x[1]), add(1.618033988749895, x[0])))))), negative(tanh(add(add(add(x[1], x[2]), add(x[0], x[0])), add(cosh(x[0]), add(x[0], 2.718281828459045)))))), multiply(negative(tanh(add(add(x[0], add(x[0], 2.718281828459045)), add(x[2], x[1])))), exp(2.302585092994046))), add(protected_sqrt(add(add(cbrt(add(add(x[0], x[0]), x[2])), add(x[2], maximum(add(x[1], 2.302585092994046), cosh(x[0])))), add(add(tanh(subtract(multiply(x[0], x[0]), protected_power(2.302585092994046, 2.0))), add(add(protected_mod(1.7320508075688772, x[2]), x[0]), add(x[0], protected_log10(x[2])))), protected_mod(protected_mod(negative(2.302585092994046), x[0]), multiply(add(x[2], x[1]), x[2])))))), add(add(subtract(cbrt(add(exp(subtract(2.302585092994046, x[1])), -1.0)), multiply(x[2], tanh(cosh(x[0])))), add(protected_log10(add(x[2], add(x[0], x[1]))), x[1])), protected_sqrt(add(multiply(multiply(add(x[2], add(x[1], 2.302585092994046)), add(x[0], x[0])), protected_power(sin(x[0]), add(x[0], 2.718281828459045))), maximum(add(x[2], exp(2.302585092994046)), cosh(x[0])))))))), subtract(add(subtract(cbrt(protected_log10(add(2.302585092994046, add(add(x[2], x[0]), x[0])))), multiply(-1.0, maximum(add(add(protected_power(subtract(x[2], 1.0), 1.0), add(x[1], 2.302585092994046)), add(x[0], x[0])), multiply(add(x[2], x[1]), x[0])))), add(tanh(add(protected_mod(maximum(add(x[1], 2.302585092994046), cosh(x[0])), multiply(multiply(multiply(1.4142135623730951, x[1]), add(x[0], x[2])), multiply(x[0], -1.0))), add(add(add(x[0], x[0]), add(x[1], minimum(x[0], -1.0))), add(x[0], x[1])))), protected_log10(protected_log10(add(add(x[2], add(x[0], x[1])), add(-1.0, x[0])))))), multiply(negative(tanh(add(maximum(add(add(x[2], x[1]), x[0]), multiply(add(x[2], x[1]), x[0])), add(x[0], add(add(x[2], x[1]), add(x[0], x[0])))))), exp(2.302585092994046)))), maximum(protected_log2(0.0), maximum(exp(protected_log10(protected_log10(protected_log10(add(multiply(x[2], tanh(1.4142135623730951)), add(x[0], add(x[0], x[1])))))), -1.0)))	1.316921e+
2	subtract(multiply(protected_log2(tanh(add(maximum(maximum(subtract(x[1], maximum(protected_log2(x[0]), multiply(x[2], -1.0))), x[2]), add(x[0], multiply(-1.0, sinh(1.618033988749895)))), maximum(multiply(x[0], protected_power(0.6931471805599453, multiply(sinh(x[0]), protected_power(x[1], x[0])))), add(x[0], add(x[0], x[2])))))), cosh(protected_log10(protected_log10(multiply(maximum(arctan(arctan(maximum(x[0], x[2]))), add(3.141592653589793, add(1.618033988749895, add(x[2], x[1])))), sinh(protected_mod(x[0], add(sinh(x[0]), add(x[2], x[1])))))))), multiply(protected_log2(protected_sqrt(add(subtract(protected_divide(add(x[0], add(1.618033988749895, add(x[2], x[1]))), protected_mod(arctan(maximum(x[0], 0.0)), protected_divide(sinh(x[0]), protected_log2(0.0)))), maximum(add(add(x[0], add(x[0], x[2])), add(x[0], sinh(x[0])))), multiply(sinh(-1.0), multiply(sinh(x[0]), x[0])))), maximum(multiply(multiply(x[1], x[0]), multiply(x[2], maximum(multiply(x[0], x[1]), cos(0.6931471805599453)))), multiply(add(add(sinh(x[0]), add(1.618033988749895, x[1])), add(x[2], maximum(protected_mod(x[2], x[0]), x[2]))), sinh(add(x[0], protected_mod(1.618033988749895, protected_log2(0.0)))))))), maximum(multiply(cosh(protected_log10(arccos(multiply(tan(1.618033988749895), sinh(1.618033988749895))))), arctan(maximum(sinh(maximum(multiply(multiply(x[0], x[0]), add(x[0], x[2])), add(1.618033988749895, add(x[2], x[1])))), maximum(multiply(add(sinh(x[0]), add(x[2], x[1])), multiply(add(tanh(0.5), minimum(1.7320508075688772, -1.0)), add(x[0], 3.141592653589793))), multiply(exp(1.4142135623730951), sinh(x[0])))))), sinh(protected_mod(protected_mod(x[2], minimum(exp(1.4142135623730951), arctan(1.7320508075688772))), sinh(add(x[2], x[1]))))))	3.454983e+
3	protected_divide(multiply(square(protected_log2(exp(protected_log2(multiply(protected_sqrt(tanh(subtract(multiply(x[2], x[1]), -1.0))), protected_log10(protected_log10(multiply(x[0], x[1])))))))), minimum(protected_log2(exp(protected_log2(multiply(square(square(exp(3.141592653589793))), cosh(protected_power(subtract(3.141592653589793, -1.0), 2.0)))))), add(multiply(subtract(multiply(multiply(exp(x[2]), square(exp(x[1]))), square(square(exp(x[0])))), maximum(3.141592653589793, x[0])), maximum(protected_divide(protected_log10(x[0]), tanh(protected_log10(tan(2.302585092994046)))), cosh(exp(protected_log10(multiply(subtract(-1.0, x[0]), x[1])))))), add(multiply(subtract(tanh(x[1]), maximum(3.141592653589793, x[0])), maximum(protected_divide(protected_power(maximum(3.141592653589793, x[0]), minimum(x[0], 2.302585092994046)), cosh(exp(x[2]))), cosh(exp(exp(0.0))))), square(square(exp(tanh(add(x[0], x[2])))))))), minimum(minimum(exp(subtract(tanh(protected_log(protected_log10(multiply(x[0], x[0])))), 3.141592653589793)), minimum(exp(maximum(3.141592653589793, cbrt(protected_mod(protected_power(3.141592653589793, minimum(x[1], x[1])),	4.894637e+

Run	GP Formula	GP Train Fitness
	tanh(minimum(arcsin(x[1]), 3.141592653589793))))))), exp(subtract(tanh(protected_log10(protected_log2(multiply(x[1], x[2])))), 3.141592653589793)))), exp(protected_mod(protected_mod(reciprocal(exp(sin(minimum(x[0], exp(tanh(0.6931471805599453))))))), protected_mod(exp(3.141592653589793), protected_log(protected_log10(protected_log10(multiply(x[2], x[1])))))), multiply(multiply(subtract(x[0], 3.141592653589793), maximum(protected_divide(protected_power(maximum(3.141592653589793, x[1]), minimum(3.141592653589793, 3.141592653589793)), multiply(x[1], x[2])), tanh(subtract(x[0], 3.141592653589793)))), tanh(x[1]))))))	
4	multiply(maximum(maximum(square(multiply(protected_log2(maximum(maximum(subtract(protected_divide(1.618033988749895, -1.0), x[0]), x[1]), add(maximum(x[2], protected_power(protected_power(2.302585092994046, 0.5), x[1])), -1.0))), minimum(minimum(2.718281828459045, maximum(1.618033988749895, multiply(x[1], x[0]))), multiply(sinh(1.618033988749895), minimum(x[2], minimum(x[2], x[2])))))), square(multiply(protected_log2(multiply(protected_log2(protected_log2(maximum(x[0], 1.0))), multiply(multiply(x[1], 1.618033988749895), 2.718281828459045))), minimum(protected_log2(multiply(maximum(add(2.718281828459045, x[0]), maximum(x[1], x[2])), x[1])), minimum(protected_log2(multiply(-1.0, protected_log2(x[0]))), multiply(1.7320508075688772, minimum(add(x[2], tanh(x[0])), add(minimum(x[1], x[0]), 1.4142135623730951)))))))), maximum(square(multiply(minimum(protected_log2(multiply(-1.0, x[0])), minimum(multiply(square(square(1.618033988749895)), minimum(x[2], x[0])), protected_log(protected_divide(maximum(1.0, x[0]), x[2])))), minimum(minimum(protected_log10(protected_log(subtract(protected_power(1.618033988749895, x[1]), x[1]))), protected_log(subtract(protected_power(2.302585092994046, x[1]), x[0]))), multiply(multiply(minimum(minimum(x[2], square(x[2])), x[0]), protected_log2(protected_log2(x[0]))), 1.4142135623730951)))), maximum(square(multiply(protected_log2(multiply(protected_log2(arctan(x[2])), x[1])), minimum(minimum(multiply(2.0, minimum(x[1], x[0])), x[1]), protected_log2(multiply(-1.0, x[0]))))), protected_mod(multiply(maximum(add(maximum(2.0, 1.618033988749895), x[1]), maximum(minimum(minimum(x[2], x[1]), x[0]), x[0])), x[2]), protected_divide(subtract(protected_mod(multiply(multiply(x[1], 1.618033988749895), 2.718281828459045), -1.0), protected_power(x[0], 0.6931471805599453)), arccos(protected_power(x[0], cos(sin(tanh(1.0))))))))), protected_log2(multiply(2.0, minimum(minimum(2.718281828459045, minimum(2.718281828459045, multiply(square(maximum(x[2], 1.7320508075688772)), minimum(maximum(protected_log2(x[0]), protected_power(2.0, x[1])), 2.718281828459045)))), multiply(multiply(square(maximum(reciprocal(protected_power(1.4142135623730951, protected_power(1.7320508075688772, 0.6931471805599453))), x[0])), minimum(maximum(x[2], protected_power(2.0, x[1])), subtract(protected_power(2.0, x[1]), x[1]))), minimum(protected_divide(x[2], protected_mod(sin(protected_power(x[0], exp(x[0])))), x[2])), minimum(maximum(sinh(1.618033988749895), cosh(tan(maximum(1.7320508075688772, x[0])))), multiply(square(2.0), protected_divide(protected_power(protected_log2(3.141592653589793), x[2]), 2.0)))))))))	8.143387e+

GP Run 1	MC Run 1
 Tree	 Tree
 Fitness	 Fitness

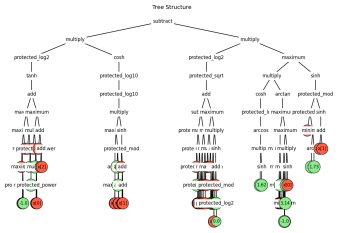


Prediction



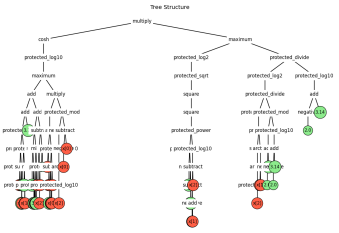
Prediction

GP Run 2

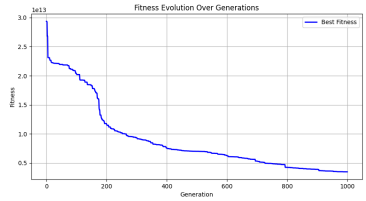


Tree

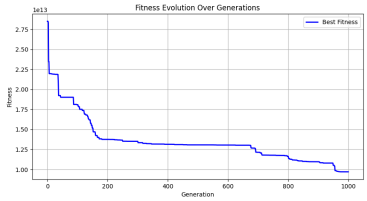
MC Run 2



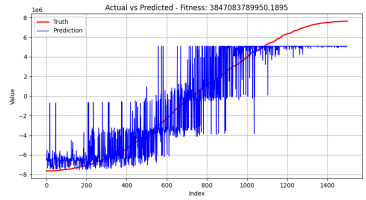
Tree



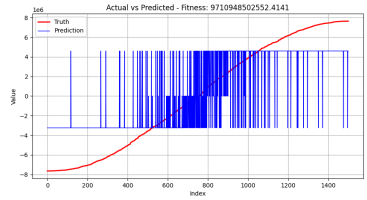
Fitness



Fitness

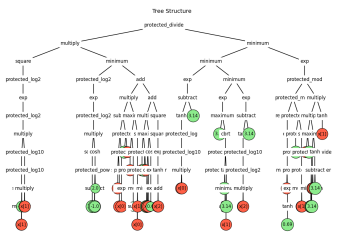


Prediction



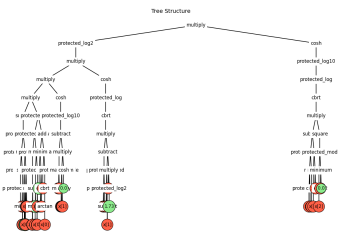
Prediction

GP Run 3

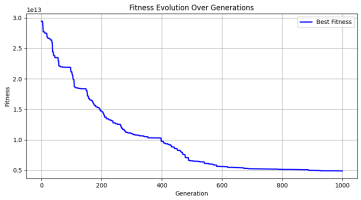


Tree

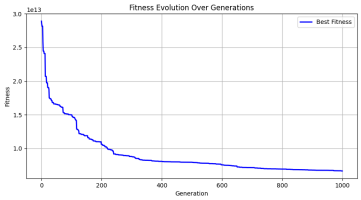
MC Run 3



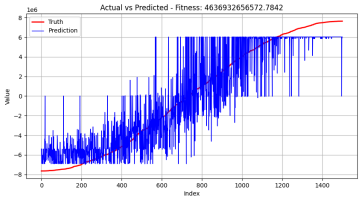
Tree



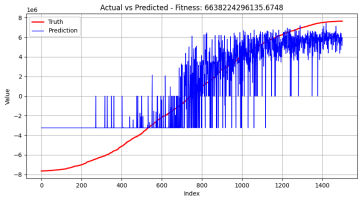
Fitness



Fitness



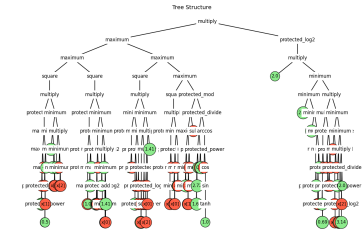
Prediction



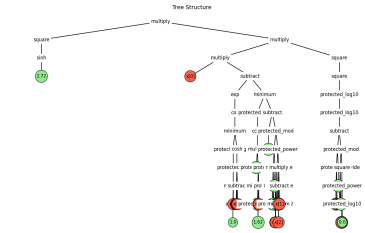
Prediction

GP Run 4

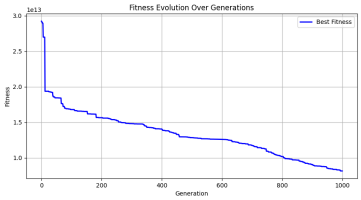
MC Run 4



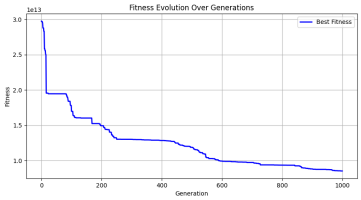
Tree



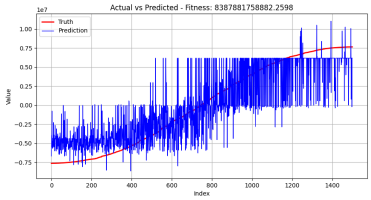
Tree



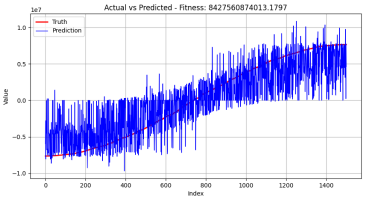
Fitness



Fitness



Prediction



Prediction