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230 777 51 (1)

genome = 27, 176, 22, 53, 77, 74, 177, 215, 200, 183, 229, 111, 77, 124, 66, 94, 91, 232, 44, 53, 114, 71, 234, 98, 72, 106, 71, 231, 97, 203, 32, 15.

grammer

$$\langle e \rangle ::= (\langle o \rangle \langle e \rangle \langle e \rangle)^{0} \mid (\langle u \rangle \langle e \rangle)^{1} \mid \langle v \rangle^{2}$$

$$\langle o \rangle ::= +^{0} \mid -^{1} \mid /^{2} \mid *^{3}$$

$$\langle u \rangle ::= \sin^{0} \mid \cos^{1} \mid \tan^{2}$$

$$\langle v \rangle ::= x^{0} \mid y^{1}$$

⊛ genome = 27

27 mod 3 = 0 ; index = 0

Phenotype = $(\langle o \rangle \langle e \rangle \langle e \rangle)$

⊛ genome = 176

176 mod 4 = 0 ; index = 0

Phenotype = $(+ \langle e \rangle \langle e \rangle)$

(2)

(*) genome = 22
22 mod 3 = 1 ; index = 1
Phenotype = (+ (<u> <e> <e>)

(*) genome = 53
53 mod 3 = 2 ; index = 2
Phenotype = (+ (Tan <e>) <e>)

(*) genome = 77
77 mod 3 = 2 ; index = 2
Phenotype = (+ (Tan <v>) <e>)

(*) genotype = 74
74 mod 2 = 0 ; index = 0
Phenotype = (+ (Tan x) <e>)

(*) genotype = 177
177 mod 3 = 0 ; index = 0
Phenotype = (+ (Tan a) (<o> <e> <e>))

(*) genotype = 215
215 mod 4 = 3 ; index = 3
Phenotype = (+ (Tan x) (* <e> <e>))

* genotype = 200
  200 mod 3 = 2 ; index = 2
  Phenotype = (+ (Tan x) (* <v> <e>))

* genotype = 183
  183 mod 2 = 1 ; index = 1
  Phenotype = (+ (Tan x) (* y <e>))

* genotype = 229
  229 mod 3 = 1 ; index = 1
  Phenotype = (+ (Tan x) (* y (<v> <e>)))

* genotype = 111
  111 mod 3 = 0 ; index = 0
  Phenotype = (+ (Tan x) (* y (sin <e>)))

* genotype = 77
  77 mod 3 = 2 ; index = 2
  Phenotype = (+ (Tan x) (* y (sin <v>)))

* genotype = 124
  124 mod 2 = 0 ; index = 0
  Phenotype = (+ (Tan x) (* y (sin x)))