Iteration 3

Initial population	Fitness Function	Selected population	Crossed Population	Mutation
[-0.011139399376276409, -1.477849969727884e-12, -2.2517265259503139e-13, 4.4201042714086e-11, -1.8086431998505907e-10, -1.3692736402661585e-15, 4.974966529931713e-16, 1.8834401412425577e-05, -1.11688146150961e-06, -3.355416305414257e-09, 1.8459400789497447e-10]	FF- 1.8083737111177483e-14,	[-0.0056317487075310145,-1.476991550760864e-12,-2.2698551537475205e-13, 4.62010753e-11, -1.75214813e-10, -1.3692736402661585e-15, -4.973966529931713e-16, 9.03834567747055e-06, -1.1168816461500961e-06, -3.355416305414257e-09, 2.7848975233737424e-10]	[0.04573488021734426, -1.45799022e-12, -2.3288763996916223e-13, 4.7384870969786016e-11, -1.75214813e-10, -1.3514608366044225e-15, 8.5294406e-16, 5.800836067949083e-06, -1.5955733902066742e-06, -2.394848192566377e-09, 6.387409623174343e-10]	[0.04505693192287075, -1.45799022e-12, -2.2895579446389825e-13, 4.4201042714086e-11, -1.8086431998505907e-10, -7.385783722388766e-16, -2.854285356589448e-17, 1.361764624223726e-05, -2.04721003e-06, 2.0785079831931986e-09, 3.2787282540242074e-11]
[-0.010996878318147205, -1.4631543775243587e-12, 2.3447315608651966e-13, 4.4201042714086e-11, -1.8086431998505907e-10, -1.3502736402661585e-15, 4.97496652931713e-16, 6.270267020201766e-07, -1.1168816461500961e-06, 2.9349431241512246e-09, 2.3490644808997694e-12]	FF- 1.895845629159033e-15.	[0.04573488021734426, -1.45799022e-12, -2.238763996916223e-13, 4.7384870969786016e-11, -1.711784978179518e-10, -5.760012289388712e-16, -8.5294406e-16, 5.80083607349038-06, -1.775217525134724e-06, -4.380209461873201e-09, 9.92109783956143e-11]	[0.04573488021734426, -1.45799022e-12, -2.328765996916229e-13, 4.7384870969786016e-11 -1.75214813e-10, -1.3514608366044225e-15, 8.82944060e-16, 5.8083607949083e-06, -1.5955733902066742e-06, -2.394848192566377e-09, 6.387409623174343e-10]	[-0.010996878318147205, -1.4799186842344146e-12, -2.32759644191259e-13, 4.6578960619987556e-11, -1.711784978179518e-10, -5.760013289388712e-16, -8.5294406e-16, 5.500836067549038-06, -1.775217525134724e-06, -4.380209461873201e-09, 9.92109783956143e-11]
-1.8086431998505907e-10, -7.385783722388766e-16,	VE- 245661542639184.9,	[-0.010996878318147205, -1.4631543775243587e-12, -2.3183093336266343e-13, 4.4201042714086e-11, -1.8086431998505907e-10, -7.385783722388766e-16, -2.8542835589448e-17, 1.367764624223726e-05, -2.04721003e-06, -2.0785079831931986e-09, 3.2787282540242074e-11]	[0.04573488021734426,-1.45799022e-12, -2.3288763996916223e-13, 4.7384870969786016e-11, -1.75214813e-10,-1.3514608366044275e-15, -2.5294406e-16, 5.800836067949083e-06, -1.595573390206742-06,-2.394848192566377e-09, 6.387409623174343e-10]	[0.04573488021734426, -1.45799022e-12, -2.2922400138812897e-13, 4.7384870969786016e-11, -1.75214813e-10, -1.3514608366044225e-15, -8.5294406e-16, 5.800830607940983e-06, -7.004645665945606e-07, -2.394848192566377e-09, 6.387409623174343e-10]
[-0.0056317487075310145, -1.476991550760864e-12, -2.2698551537475205e-13, 4.62010753e-11, -1.75214813e-10, -1.3692736402661585e-15, 4.974966529931715e-16, 9.03834567747055e-06, -1.116881661500961e-06, -3.355416305414257e-09, 2.7848975233737424e-10]	VE- 14052415553240.031, TE- 21785233302635.56, FF- 1.9491929465701704e-14.	[-0.0056317487075310145, -1.476991550760864e-12, -2.2698551537475205e-13, 4.62010753e-11, -1.75214813e-10, -1.3692736402661585e-15, -4.974966529931713e-16, 0.98334567740755e-06, -1.1168816461500961e-06, -3.355416305414257e-09, 2.7848975233737424e-10]	[0.017327441699636698, -1.45799022e-12, -2.287648457407279e-13, 4.62010753e-11, -1.6794791932172667e-10, -6.7899080804596236e-16, -5.5294406e-16, 5.800380607940983e-06, -2.04721003e-06, -1.59792834e-08, 3.2199738086000406e-10]	[0.01737972032764175, -1.45799022e-12, -2.287648457407279e-13, 4.62010753e-11, -1.6794791932172667e-10, -6.789080804596236e-15, -8.5294406e-16, 4.06513596040929e-06, -2.04721003e-06, -1.59792834e-08, -3.113700977356845e-10]
[-0.010996878318147205, -1.4631543775243587e-12, -2.3615354228290556-13, 4.4201042714086e-11, -1.7768563177051947e-10, -1.466524589966838e-16, 4.8883573738390837e-16, 1.88344011412425577e-05, -1.0447631778180634e-06, -5.11066210360648e-09, 2.7848975233737424e-10]	VE- 2072859381694.6606,	[0.04573488021734426, -1.45799022e-12, -2.3288763996916223e-13, 4.7384870969786016e-11, -1.6794791932172667e-10, -6.78908804596236e-16, -8.5294406e-16, 5.800835067949083e-06, -2.04721003e-06, -1.59792834e-08, 3.2199738086000406e-10]	0.04573488021734426, -1.45799022e-12, -2.3288763999916223e-13, 4.7384870969786016e-11, -1.711784978179518e-10, -5.76013289388712e-16, 8.5294406e-16, 5.800836057949083e-06, -1.775217525134724e-06, -4.380209461873201e-09, 9.92109783956143e-11]	[0.04567387069477625, -1.45799022e-12, -2.3288763996916223e-13, 4.802775261019247e-11, -1.711784798179518e-10, -4.3566810760879805e-16, -8.5294406e-16, 5.800836067949083e-06, -1.775217525134724e-06, -4.380209461873201e-09, 9.92109783956143e-11]
[-0.010996878318147205, -1.491391373766008e-12, -2.3183093336266343e-13, 4.4201042714086e-11, -1.819032825381869e-10, -1.36927364026611585e-15, 4.974966529931713e-16, 1.8834401412425577e-05, -1.1168816461500961e-06, -3.355416305414257e-09, 2.7848975233737424e-10]	VE- 4244381263119.3687, TE- 4770808175600.521, FF- 9.932416595856671e-14, SP- 5.557343792435104	[0.04573488021734426, -1.45799022e-12, -2.3288763996916223e-13, 4.7384870969786016e-11 -1.711784978179518e-10, -5.760013289388712e-16, -8.5294406e-16, 5.800836067949083e-06, -1.775217525134724e-06, -4.380209461873201e-09, 9.92109783956143e-11]	[0.04573488021734426, -1.45799022e-12, -2.3288763996916223e-13, 4.7384870969786016e-11, -1.71784978179518e-10, -5.760013289388712e-16, 8.5294406e-16, 5.800836067949083e-06, -1.775217525134724e-06, -4.380209461873201e-09, 9.92109783956143e-11]	[0.04573488021734426, -1.45799022e-12, -2.279808580510077e-13, 4.7384870969786016e-11, -1.711784978179518e-10, -5.760013289388712e-16, -7.430151786582851e-16, 5.800836067949083e-06, -8.702926701783687e-07, -3.860810291319262e-09, 6.636846998472971e-11]
[0.04573488021734426, -1.45799022e-12, -2.3288763996916223e-13, 4.7384870969786016e-11, -1.7510817595649977e-10, -2.992746528399571e-16, 8.5294405e-16, 5.800836067949083e-06, -1.775217525134724e-06, -4.380209461873201e-09, 6.387409623174343e-10]	VE-6172980120478.541, TE-11265009876742.34, FF-3.62029616827338e-14, SP-2.0256128247705036	[-0.010996878318147205, -1.4631543775243587e-12, -2.3447315608651966e-13, 4.4201042714086e-11, -1.8086431998505907e-10, -1.3692736402661585e-15, -4.974966529931713e-16, 6.270267022021766e-07, -1.1168816461500961e-06, -2.9349431241512246e-09, 2.349064808997694e-12]	[0.04573488021734426,-1.45799022e-12, -2.3288763996916223e-13, 4.7384870969786016e-11, -1.717184978179518e-10, -5.760013289388712e-16, -1.974966529931713e-16, 9.03834567747055e-06, -1.1168816461500961e-06, -3.355416305414257e-09, 2.7848975233737424e-10]	[0.04573488021734426, -1.45799022e-12, -2.3288763996916223e-13, 4.7741876075662183e-11, -1.711784798179518e-10, -5.760013289388712e-16, -4.680616553238226e-18, 9.03834567747055e-06, -1.1168816461500961e-06, -3.355416305414257e-09, 2.7848975233737424e-10]
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[0.04573488021734426, -1.45799022e-12, -2.288763996916223e-13, 4.7384870969786016e-11 -1.6794791932172667e-10, -6.789080804596236e-16, 8.5294406e-16, 5.800830657949083e-06, -2.04721003e-06, -1.59792834e-08, 3.2199738086000406e-10]		[0.04573488021734426, -1.45799022e-12, -2.3288763996916223e-13, 4.7384870969786016e-11, -1.6794791932172667e-10, -6.789080804596236e-16, -8.5294406e-16, 5.800836067949083e-06, -2.0472103e-06, -1.59728234e-08, -3.2199738086000406e-10]	[-0.0056317487075310145, -1.476991550760864e-12, -2.2698551537475205e-13, 4.62010753e-11, -1.75214813e-10, -1.3692736402661585e-15, -4.974966529931713e-16, 9.03834567747055e-06, -1.116881464510099fe-06, -3.355416305414257e-09, 2.7848975233737424e-10]	[-0.0056317487075310145, -1.4465905099882656e-12, -2.2698551537475205e-13, 4.567624682292966e-11, -1.75214813e-10, -1.3692736402661585e-15, -4.974966529931713e-16, 9.03834567747055e-06, -1.116881646150061e-06, -3.355416305414257e-09, 2.7848975233737424e-10]