/Library/Java/JavaVirtualMachines/jdk-9.0.1.jdk/Contents/Home/bin/java "-javaagent:/Applications/IntelliJ IDEA CE.app/Contents/lib/idea\_rt.jar=53754:/Applications/IntelliJ IDEA CE.app/Contents/bin" -Dfile.encoding=UTF-8 -classpath /Users/simon/Documents/GitHub/SimpleAsteroids/out/production/SimpleAsteroids:/Users/simon/Documents/GitHub/SimpleAsteroids/lib/gson-2.2.4.jar:/Users/simon/Documents/GitHub/SimpleAsteroids/lib/gvgai-master.jar hyperopt.TestHyperParamPlanetWars

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.18

sd = 0.9886221408474207

se = 0.09886221408474208

sum = 18.0

sumsq = 100.0

n = 100

Checks complete: 5145 ms elapsed

Solution: [2, 0, 1, 0, 0]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.52

sd = 0.8584693919818557

se = 0.08584693919818556

sum = 52.0

sumsq = 100.0

n = 100

Checks complete: 4539 ms elapsed

Solution: [2, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.64

sd = 0.7722458393307382

se = 0.07722458393307383

sum = 64.0

sumsq = 100.0

n = 100

Checks complete: 4504 ms elapsed

Solution: [2, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.08

sd = 1.0018165319240662

se = 0.10018165319240661

sum = 8.0

sumsq = 100.0

n = 100

Checks complete: 5151 ms elapsed

Solution: [3, 1, 1, 0, 0]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.38

sd = 0.9296463974234636

se = 0.09296463974234635

sum = 38.0

sumsq = 100.0

n = 100

Checks complete: 4218 ms elapsed

Solution: [3, 1, 1, 0, 3]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.08

sd = 1.0018165319240662

se = 0.10018165319240661

sum = 8.0

sumsq = 100.0

n = 100

Checks complete: 3895 ms elapsed

Solution: [3, 1, 1, 1, 3]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.54

sd = 0.8459051693633014

se = 0.08459051693633014

sum = 54.0

sumsq = 100.0

n = 100

Checks complete: 4421 ms elapsed

Solution: [1, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.54

sd = 0.8459051693633014

se = 0.08459051693633014

sum = 54.0

sumsq = 100.0

n = 100

Checks complete: 4480 ms elapsed

Solution: [2, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.42

sd = 0.9120960431441373

se = 0.09120960431441373

sum = 42.0

sumsq = 100.0

n = 100

Checks complete: 4154 ms elapsed

Solution: [1, 1, 1, 0, 2]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.12

sd = 0.9977753031397177

se = 0.09977753031397177

sum = 12.0

sumsq = 100.0

n = 100

Checks complete: 4117 ms elapsed

Solution: [1, 1, 1, 1, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.58

sd = 0.8187203614806647

se = 0.08187203614806647

sum = 58.0

sumsq = 100.0

n = 100

Checks complete: 4498 ms elapsed

Solution: [2, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.14

sd = 0.9951397039124861

se = 0.09951397039124861

sum = 14.0

sumsq = 100.0

n = 100

Checks complete: 3852 ms elapsed

Solution: [2, 1, 1, 2, 2]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.21

sd = 0.977473552304381

se = 0.09774735523043811

sum = 21.0

sumsq = 99.0

n = 100

Checks complete: 4383 ms elapsed

Solution: [1, 0, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = -0.02

sd = 1.0048367875913826

se = 0.10048367875913826

sum = -2.0

sumsq = 100.0

n = 100

Checks complete: 5101 ms elapsed

Solution: [2, 1, 1, 0, 0]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.68

sd = 0.7369058983549412

se = 0.07369058983549412

sum = 68.0

sumsq = 100.0

n = 100

Checks complete: 4244 ms elapsed

Solution: [3, 1, 1, 0, 2]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.16

sd = 0.9920899274977164

se = 0.09920899274977164

sum = 16.0

sumsq = 100.0

n = 100

Checks complete: 5101 ms elapsed

Solution: [2, 1, 1, 0, 0]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.66

sd = 0.7550503361372738

se = 0.07550503361372737

sum = 66.0

sumsq = 100.0

n = 100

Checks complete: 4549 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.06

sd = 1.0032271160931838

se = 0.10032271160931838

sum = 6.0

sumsq = 100.0

n = 100

Checks complete: 5101 ms elapsed

Solution: [2, 1, 1, 0, 0]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.06

sd = 1.0032271160931838

se = 0.10032271160931838

sum = 6.0

sumsq = 100.0

n = 100

Checks complete: 3898 ms elapsed

Solution: [3, 0, 1, 1, 3]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.4

sd = 0.9211323729436766

se = 0.09211323729436766

sum = 40.0

sumsq = 100.0

n = 100

Checks complete: 4428 ms elapsed

Solution: [1, 1, 1, 0, 1]

nEvals per run: 100

Overall results: SlidingMeanEDA

min = -0.02

max = 0.68

ave = 0.3215

sd = 0.23704929533970912

se = 0.05300583383980136

sum = 6.43

sumsq = 3.1349

n = 20

Total time for experiment: 174420 ms elapsed

Search space size: 240.0

Creating new model

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.22

sd = 0.9804142600003946

se = 0.09804142600003946

sum = 22.0

sumsq = 100.0

n = 100

Checks complete: 4173 ms elapsed

Solution: [3, 0, 1, 1, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.54

sd = 0.8459051693633014

se = 0.08459051693633014

sum = 54.0

sumsq = 100.0

n = 100

Checks complete: 4661 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.56

sd = 0.8326663997864531

se = 0.08326663997864531

sum = 56.0

sumsq = 100.0

n = 100

Checks complete: 4716 ms elapsed

Solution: [3, 0, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.56

sd = 0.8326663997864531

se = 0.08326663997864531

sum = 56.0

sumsq = 100.0

n = 100

Checks complete: 4554 ms elapsed

Solution: [3, 0, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.36

sd = 0.9376523445243015

se = 0.09376523445243015

sum = 36.0

sumsq = 100.0

n = 100

Checks complete: 4561 ms elapsed

Solution: [3, 0, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.5

sd = 0.8703882797784892

se = 0.08703882797784893

sum = 50.0

sumsq = 100.0

n = 100

Checks complete: 4577 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.56

sd = 0.8326663997864531

se = 0.08326663997864531

sum = 56.0

sumsq = 100.0

n = 100

Checks complete: 4553 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.56

sd = 0.8326663997864531

se = 0.08326663997864531

sum = 56.0

sumsq = 100.0

n = 100

Checks complete: 4556 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.62

sd = 0.7885544888073251

se = 0.07885544888073251

sum = 62.0

sumsq = 100.0

n = 100

Checks complete: 4536 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.56

sd = 0.8326663997864531

se = 0.08326663997864531

sum = 56.0

sumsq = 100.0

n = 100

Checks complete: 4533 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.5

sd = 0.8703882797784892

se = 0.08703882797784893

sum = 50.0

sumsq = 100.0

n = 100

Checks complete: 4548 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.67

sd = 0.7393007889659368

se = 0.07393007889659367

sum = 67.0

sumsq = 99.0

n = 100

Checks complete: 4528 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.64

sd = 0.7722458393307382

se = 0.07722458393307383

sum = 64.0

sumsq = 100.0

n = 100

Checks complete: 4534 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.36

sd = 0.9376523445243015

se = 0.09376523445243015

sum = 36.0

sumsq = 100.0

n = 100

Checks complete: 4544 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.36

sd = 0.9376523445243015

se = 0.09376523445243015

sum = 36.0

sumsq = 100.0

n = 100

Checks complete: 4905 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.58

sd = 0.8187203614806647

se = 0.08187203614806647

sum = 58.0

sumsq = 100.0

n = 100

Checks complete: 4507 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.46

sd = 0.8923920866769474

se = 0.08923920866769473

sum = 46.0

sumsq = 100.0

n = 100

Checks complete: 4681 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.6

sd = 0.8040302522073697

se = 0.08040302522073697

sum = 60.0

sumsq = 100.0

n = 100

Checks complete: 4527 ms elapsed

Solution: [3, 1, 1, 0, 1]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.52

sd = 0.8584693919818557

se = 0.08584693919818556

sum = 52.0

sumsq = 100.0

n = 100

Checks complete: 4231 ms elapsed

Solution: [3, 1, 1, 0, 2]

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.58

sd = 0.8187203614806647

se = 0.08187203614806647

sum = 58.0

sumsq = 100.0

n = 100

Checks complete: 4221 ms elapsed

Solution: [3, 1, 1, 0, 2]

nEvals per run: 100

Overall results: NTupleBanditEA

min = 0.22

max = 0.67

ave = 0.5155000000000001

sd = 0.11231886001820658

se = 0.02511526061559932

sum = 10.31

sumsq = 5.554500000000002

n = 20

Total time for experiment: 178629 ms elapsed

Time for all experiments: 353052 ms elapsed

Process finished with exit code 0