/Library/Java/JavaVirtualMachines/jdk-9.0.1.jdk/Contents/Home/bin/java "-javaagent:/Applications/IntelliJ IDEA CE.app/Contents/lib/idea\_rt.jar=53787:/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 = 0.56

sd = 0.8326663997864531

se = 0.08326663997864531

sum = 56.0

sumsq = 100.0

n = 100

Checks complete: 4374 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: 4827 ms elapsed

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

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.24

sd = 0.9756634624291266

se = 0.09756634624291266

sum = 24.0

sumsq = 100.0

n = 100

Checks complete: 4181 ms elapsed

Solution: [2, 1, 1, 1, 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: 4481 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 = 0.1

sd = 1.0

se = 0.1

sum = 10.0

sumsq = 100.0

n = 100

Checks complete: 4156 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 = 0.46

sd = 0.8923920866769474

se = 0.08923920866769473

sum = 46.0

sumsq = 100.0

n = 100

Checks complete: 4229 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 = 0.7

sd = 0.7177405625652734

se = 0.07177405625652734

sum = 70.0

sumsq = 100.0

n = 100

Checks complete: 4523 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: 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 = -0.26

sd = 0.9704731741878194

se = 0.09704731741878195

sum = -26.0

sumsq = 100.0

n = 100

Checks complete: 4620 ms elapsed

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

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: 4813 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 = 0.12

sd = 0.9977753031397177

se = 0.09977753031397177

sum = 12.0

sumsq = 100.0

n = 100

Checks complete: 3796 ms elapsed

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

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.32

sd = 0.9521904571390467

se = 0.09521904571390467

sum = 32.0

sumsq = 100.0

n = 100

Checks complete: 4084 ms elapsed

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

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: 4612 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 = 0.72

sd = 0.6974701760395541

se = 0.06974701760395541

sum = 72.0

sumsq = 100.0

n = 100

Checks complete: 4310 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 = 0.48

sd = 0.8816880045536162

se = 0.08816880045536162

sum = 48.0

sumsq = 100.0

n = 100

Checks complete: 4622 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 = 0.4

sd = 0.9211323729436766

se = 0.09211323729436766

sum = 40.0

sumsq = 100.0

n = 100

Checks complete: 4575 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 = 0.1

sd = 1.0

se = 0.1

sum = 10.0

sumsq = 100.0

n = 100

Checks complete: 4156 ms elapsed

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

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.7

sd = 0.7177405625652734

se = 0.07177405625652734

sum = 70.0

sumsq = 100.0

n = 100

Checks complete: 4332 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 = 0.62

sd = 0.7885544888073251

se = 0.07885544888073251

sum = 62.0

sumsq = 100.0

n = 100

Checks complete: 4284 ms elapsed

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

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: 4225 ms elapsed

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

nEvals per run: 100

Overall results: SlidingMeanEDA

min = -0.26

max = 0.72

ave = 0.391

sd = 0.2860603543236802

se = 0.06396503979354248

sum = 7.82

sumsq = 4.6124

n = 20

Total time for experiment: 173392 ms elapsed

Search space size: 240.0

Creating new model

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.52

sd = 0.8584693919818557

se = 0.08584693919818556

sum = 52.0

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 = 0.5

sd = 0.8703882797784892

se = 0.08703882797784893

sum = 50.0

sumsq = 100.0

n = 100

Checks complete: 4713 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 = 0.4

sd = 0.9211323729436766

se = 0.09211323729436766

sum = 40.0

sumsq = 100.0

n = 100

Checks complete: 4486 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 = 0.5

sd = 0.8703882797784892

se = 0.08703882797784893

sum = 50.0

sumsq = 100.0

n = 100

Checks complete: 4497 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 = 0.6

sd = 0.8040302522073697

se = 0.08040302522073697

sum = 60.0

sumsq = 100.0

n = 100

Checks complete: 4873 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 = 0.4

sd = 0.9211323729436766

se = 0.09211323729436766

sum = 40.0

sumsq = 100.0

n = 100

Checks complete: 4521 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 = 0.32

sd = 0.9521904571390467

se = 0.09521904571390467

sum = 32.0

sumsq = 100.0

n = 100

Checks complete: 4486 ms elapsed

Solution: [2, 0, 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: 4634 ms elapsed

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

Search space size: 240.0

Checking fitness

Running checks: 100

Mean fitness

min = -1.0

max = 1.0

ave = 0.44

sd = 0.902521719708426

se = 0.09025217197084259

sum = 44.0

sumsq = 100.0

n = 100

Checks complete: 4526 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 = 0.46

sd = 0.8923920866769474

se = 0.08923920866769473

sum = 46.0

sumsq = 100.0

n = 100

Checks complete: 4530 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 = 0.48

sd = 0.8816880045536162

se = 0.08816880045536162

sum = 48.0

sumsq = 100.0

n = 100

Checks complete: 4540 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: 4539 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 = 0.68

sd = 0.7369058983549412

se = 0.07369058983549412

sum = 68.0

sumsq = 100.0

n = 100

Checks complete: 4515 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 = 0.48

sd = 0.8816880045536162

se = 0.08816880045536162

sum = 48.0

sumsq = 100.0

n = 100

Checks complete: 4550 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 = 0.46

sd = 0.8923920866769474

se = 0.08923920866769473

sum = 46.0

sumsq = 100.0

n = 100

Checks complete: 4538 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 = 0.54

sd = 0.8459051693633014

se = 0.08459051693633014

sum = 54.0

sumsq = 100.0

n = 100

Checks complete: 4553 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 = 0.32

sd = 0.9521904571390467

se = 0.09521904571390467

sum = 32.0

sumsq = 100.0

n = 100

Checks complete: 4527 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 = 0.44

sd = 0.902521719708426

se = 0.09025217197084259

sum = 44.0

sumsq = 100.0

n = 100

Checks complete: 4534 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: 4619 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: 4540 ms elapsed

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

nEvals per run: 100

Overall results: NTupleBanditEA

min = 0.32

max = 0.68

ave = 0.476

sd = 0.08549546002104784

se = 0.019117366037467855

sum = 9.52

sumsq = 4.670400000000001

n = 20

Total time for experiment: 180879 ms elapsed

Time for all experiments: 354274 ms elapsed

Process finished with exit code 0