Python 3.6.3 |Anaconda, Inc.| (default, Oct 13 2017, 12:02:49)

[GCC 7.2.0] on linux

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>>>

===== RESTART: /home/cserv1\_a/soc\_msc/ml16m6y/Downloads/schooling\_S4.py =====

Testing average cycles for attraction strength 0.6

Number of cycles run: 13329

Number of cycles run: 7147

Number of cycles run: 11322

Number of cycles run: 4238

Number of cycles run: 2241

Number of cycles run: 673

Number of cycles run: 1912

Number of cycles run: 495

Number of cycles run: 1335

Number of cycles run: 1487

Number of cycles run: 1207

Number of cycles run: 4263

Number of cycles run: 44617

Number of cycles run: 2915

Number of cycles run: 1577

Number of cycles run: 6201

Number of cycles run: 5220

Number of cycles run: 1654

Number of cycles run: 6058

Number of cycles run: 19566

Number of cycles run: 1867

Number of cycles run: 6626

Number of cycles run: 977

Number of cycles run: 12435

Number of cycles run: 3764

Number of cycles run: 940

Number of cycles run: 1596

Number of cycles run: 4236

Number of cycles run: 2934

Number of cycles run: 2674

Number of cycles run: 3170

Number of cycles run: 2397

Number of cycles run: 2829

Number of cycles run: 19679

Number of cycles run: 1836

Number of cycles run: 2202

Number of cycles run: 2287

Number of cycles run: 1708

Number of cycles run: 2546

Number of cycles run: 5330

Number of cycles run: 3809

Number of cycles run: 1442

Number of cycles run: 1840

Number of cycles run: 542

Number of cycles run: 4533

Number of cycles run: 1100

Number of cycles run: 2378

Number of cycles run: 1102

Number of cycles run: 5165

Number of cycles run: 737

Number of cycles run: 22145

Number of cycles run: 13035

Number of cycles run: 50000

Number of cycles run: 790

Number of cycles run: 2421

Number of cycles run: 7493

Number of cycles run: 11067

Number of cycles run: 50000

Number of cycles run: 973

Number of cycles run: 5068

Number of cycles run: 5641

Number of cycles run: 2225

Number of cycles run: 50000

Number of cycles run: 21374

Number of cycles run: 2934

Number of cycles run: 3568

Number of cycles run: 22409

Number of cycles run: 513

Number of cycles run: 1170

Number of cycles run: 2171

Number of cycles run: 7342

Number of cycles run: 2106

Number of cycles run: 6296

Number of cycles run: 5434

Number of cycles run: 1736

Number of cycles run: 2646

Number of cycles run: 2801

Number of cycles run: 1588

Number of cycles run: 8185

Number of cycles run: 779

Number of cycles run: 498

Number of cycles run: 1652

Number of cycles run: 4854

Number of cycles run: 4363

Number of cycles run: 6390

Number of cycles run: 493

Number of cycles run: 788

Number of cycles run: 3638

Number of cycles run: 17616

Number of cycles run: 4682

Number of cycles run: 895

Number of cycles run: 4767

Number of cycles run: 3594

Number of cycles run: 50000

Number of cycles run: 2829

Number of cycles run: 4887

Number of cycles run: 793

Number of cycles run: 2763

Number of cycles run: 4078

Number of cycles run: 3447

Av cycles for attraction strength 0.6 is 6790

standard diviation is 10883.9879532

Testing average cycles for attraction strength 0.6

Number of cycles run: 7483

Number of cycles run: 1670

Number of cycles run: 21380

Number of cycles run: 3889

Number of cycles run: 4621

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 471

Number of cycles run: 3806

Number of cycles run: 1790

Number of cycles run: 1320

Number of cycles run: 3830

Number of cycles run: 2807

Number of cycles run: 13870

Number of cycles run: 2139

Number of cycles run: 3035

Number of cycles run: 1883

Number of cycles run: 615

Number of cycles run: 4552

Number of cycles run: 2717

Number of cycles run: 16578

Number of cycles run: 10420

Number of cycles run: 453

Number of cycles run: 1594

Number of cycles run: 2361

Number of cycles run: 1663

Number of cycles run: 3608

Number of cycles run: 2402

Number of cycles run: 9435

Number of cycles run: 20082

Number of cycles run: 4568

Number of cycles run: 2215

Number of cycles run: 3477

Number of cycles run: 5262

Number of cycles run: 1143

Number of cycles run: 2201

Number of cycles run: 5618

Number of cycles run: 4054

Number of cycles run: 50000

Number of cycles run: 4161

Number of cycles run: 2222

Number of cycles run: 2151

Number of cycles run: 10137

Number of cycles run: 10788

Number of cycles run: 27934

Number of cycles run: 3673

Number of cycles run: 3084

Number of cycles run: 35864

Number of cycles run: 27565

Number of cycles run: 3424

Number of cycles run: 6230

Number of cycles run: 1539

Number of cycles run: 9484

Number of cycles run: 8115

Number of cycles run: 5761

Number of cycles run: 504

Number of cycles run: 1732

Number of cycles run: 1177

Number of cycles run: 3574

Number of cycles run: 8008

Number of cycles run: 50000

Number of cycles run: 2329

Number of cycles run: 9667

Number of cycles run: 1927

Number of cycles run: 2658

Number of cycles run: 5187

Number of cycles run: 663

Number of cycles run: 543

Number of cycles run: 13816

Number of cycles run: 1278

Number of cycles run: 1723

Number of cycles run: 3172

Number of cycles run: 5664

Number of cycles run: 1272

Number of cycles run: 1951

Number of cycles run: 50000

Number of cycles run: 2187

Number of cycles run: 635

Number of cycles run: 4061

Number of cycles run: 3184

Number of cycles run: 1357

Number of cycles run: 2299

Number of cycles run: 40563

Number of cycles run: 4520

Number of cycles run: 7046

Number of cycles run: 3725

Number of cycles run: 1475

Number of cycles run: 11939

Number of cycles run: 688

Number of cycles run: 731

Number of cycles run: 1343

Number of cycles run: 4525

Number of cycles run: 1336

Number of cycles run: 1075

Number of cycles run: 8873

Number of cycles run: 5522

Number of cycles run: 3654

Number of cycles run: 2191

Number of cycles run: 50000

Number of cycles run: 1962

Av cycles for attraction strength 0.6 is 8228

standard diviation is 12695.4652279

Testing average cycles for attraction strength 0.6

Number of cycles run: 3058

Number of cycles run: 3872

Number of cycles run: 5452

Number of cycles run: 8074

Number of cycles run: 2567

Number of cycles run: 1481

Number of cycles run: 5308

Number of cycles run: 2207

Number of cycles run: 23550

Number of cycles run: 4633

Number of cycles run: 3898

Number of cycles run: 7572

Number of cycles run: 11397

Number of cycles run: 50000

Number of cycles run: 6149

Number of cycles run: 14084

Number of cycles run: 589

Number of cycles run: 497

Number of cycles run: 2284

Number of cycles run: 1058

Number of cycles run: 5799

Number of cycles run: 3615

Number of cycles run: 13816

Number of cycles run: 3165

Number of cycles run: 759

Number of cycles run: 8340

Number of cycles run: 1244

Number of cycles run: 2919

Number of cycles run: 1949

Number of cycles run: 3670

Number of cycles run: 4341

Number of cycles run: 1718

Number of cycles run: 6349

Number of cycles run: 2854

Number of cycles run: 629

Number of cycles run: 1971

Number of cycles run: 3804

Number of cycles run: 2340

Number of cycles run: 8452

Number of cycles run: 3270

Number of cycles run: 4510

Number of cycles run: 2579

Number of cycles run: 2922

Number of cycles run: 656

Number of cycles run: 772

Number of cycles run: 50000

Number of cycles run: 648

Number of cycles run: 1187

Number of cycles run: 2304

Number of cycles run: 12567

Number of cycles run: 5049

Number of cycles run: 18507

Number of cycles run: 2686

Number of cycles run: 1146

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 2132

Number of cycles run: 1570

Number of cycles run: 6949

Number of cycles run: 587

Number of cycles run: 1434

Number of cycles run: 2950

Number of cycles run: 2344

Number of cycles run: 8351

Number of cycles run: 628

Number of cycles run: 3808

Number of cycles run: 2608

Number of cycles run: 2599

Number of cycles run: 3732

Number of cycles run: 4164

Number of cycles run: 795

Number of cycles run: 12102

Number of cycles run: 4035

Number of cycles run: 901

Number of cycles run: 7537

Number of cycles run: 4122

Number of cycles run: 2369

Number of cycles run: 1978

Number of cycles run: 446

Number of cycles run: 753

Number of cycles run: 4007

Number of cycles run: 4767

Number of cycles run: 1647

Number of cycles run: 2514

Number of cycles run: 3434

Number of cycles run: 2569

Number of cycles run: 1074

Number of cycles run: 1448

Number of cycles run: 1679

Number of cycles run: 14518

Number of cycles run: 3655

Number of cycles run: 2591

Number of cycles run: 1463

Number of cycles run: 2694

Number of cycles run: 4254

Number of cycles run: 3122

Number of cycles run: 2887

Number of cycles run: 3084

Number of cycles run: 50000

Number of cycles run: 3762

Av cycles for attraction strength 0.6 is 6383

standard diviation is 10791.7981731