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\_S3.py =====/5= 11250.6

Testing average cycles for attraction strength 0.6

Number of cycles run: 2057

Number of cycles run: 25330

Number of cycles run: 2209

Number of cycles run: 1166

Number of cycles run: 1474

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 3815

Number of cycles run: 3031

Number of cycles run: 3520

Number of cycles run: 2353

Number of cycles run: 1512

Number of cycles run: 50000

Number of cycles run: 2100

Number of cycles run: 2155

Number of cycles run: 5276

Number of cycles run: 2961

Number of cycles run: 808

Number of cycles run: 2679

Number of cycles run: 25440

Number of cycles run: 2089

Number of cycles run: 3974

Number of cycles run: 2797

Number of cycles run: 2294

Number of cycles run: 3204

Number of cycles run: 2769

Number of cycles run: 1120

Number of cycles run: 1149

Number of cycles run: 34384

Number of cycles run: 2508

Number of cycles run: 48981

Number of cycles run: 1840

Number of cycles run: 2368

Number of cycles run: 1768

Number of cycles run: 19725

Number of cycles run: 18999

Number of cycles run: 40578

Number of cycles run: 2187

Number of cycles run: 11695

Number of cycles run: 1809

Number of cycles run: 50000

Number of cycles run: 2670

Number of cycles run: 1447

Number of cycles run: 2817

Number of cycles run: 1463

Number of cycles run: 5672

Number of cycles run: 2551

Number of cycles run: 1671

Number of cycles run: 712

Number of cycles run: 1403

Number of cycles run: 50000

Number of cycles run: 4813

Number of cycles run: 2765

Number of cycles run: 4949

Number of cycles run: 2681

Number of cycles run: 4109

Number of cycles run: 1629

Number of cycles run: 14009

Number of cycles run: 442

Number of cycles run: 50000

Number of cycles run: 33790

Number of cycles run: 2940

Number of cycles run: 28190

Number of cycles run: 7216

Number of cycles run: 9002

Number of cycles run: 3094

Number of cycles run: 25021

Number of cycles run: 7418

Number of cycles run: 50000

Number of cycles run: 7483

Number of cycles run: 6654

Number of cycles run: 5246

Number of cycles run: 6645

Number of cycles run: 2334

Number of cycles run: 1091

Number of cycles run: 1372

Number of cycles run: 50000

Number of cycles run: 5529

Number of cycles run: 26449

Number of cycles run: 453

Number of cycles run: 4523

Number of cycles run: 3175

Number of cycles run: 8752

Number of cycles run: 18183

Number of cycles run: 2767

Number of cycles run: 696

Number of cycles run: 1715

Number of cycles run: 1629

Number of cycles run: 955

Number of cycles run: 20768

Number of cycles run: 2939

Number of cycles run: 2044

Number of cycles run: 3050

Number of cycles run: 2587

Number of cycles run: 1877

Number of cycles run: 3994

Number of cycles run: 2126

Number of cycles run: 1100

Number of cycles run: 7215

Number of cycles run: 4969

Av cycles for attraction strength 0.6 is 10249

standard diviation is 14949.4591513

Testing average cycles for attraction strength 0.6

Number of cycles run: 25652

Number of cycles run: 2202

Number of cycles run: 2010

Number of cycles run: 3937

Number of cycles run: 3399

Number of cycles run: 4326

Number of cycles run: 4129

Number of cycles run: 7780

Number of cycles run: 25694

Number of cycles run: 1618

Number of cycles run: 2590

Number of cycles run: 5660

Number of cycles run: 3540

Number of cycles run: 6173

Number of cycles run: 3318

Number of cycles run: 5535

Number of cycles run: 50000

Number of cycles run: 671

Number of cycles run: 3512

Number of cycles run: 50000

Number of cycles run: 40106

Number of cycles run: 43653

Number of cycles run: 2026

Number of cycles run: 4785

Number of cycles run: 19067

Number of cycles run: 11175

Number of cycles run: 3533

Number of cycles run: 2967

Number of cycles run: 4097

Number of cycles run: 12707

Number of cycles run: 545

Number of cycles run: 2165

Number of cycles run: 50000

Number of cycles run: 30564

Number of cycles run: 3448

Number of cycles run: 1365

Number of cycles run: 2234

Number of cycles run: 19744

Number of cycles run: 50000

Number of cycles run: 32328

Number of cycles run: 2437

Number of cycles run: 2982

Number of cycles run: 1748

Number of cycles run: 4178

Number of cycles run: 50000

Number of cycles run: 6086

Number of cycles run: 3879

Number of cycles run: 3038

Number of cycles run: 17062

Number of cycles run: 44581

Number of cycles run: 16366

Number of cycles run: 2657

Number of cycles run: 2461

Number of cycles run: 3944

Number of cycles run: 435

Number of cycles run: 2424

Number of cycles run: 3471

Number of cycles run: 20328

Number of cycles run: 2599

Number of cycles run: 1838

Number of cycles run: 4592

Number of cycles run: 4385

Number of cycles run: 11530

Number of cycles run: 2630

Number of cycles run: 4313

Number of cycles run: 3379

Number of cycles run: 2407

Number of cycles run: 2371

Number of cycles run: 1918

Number of cycles run: 50000

Number of cycles run: 6925

Number of cycles run: 50000

Number of cycles run: 541

Number of cycles run: 1776

Number of cycles run: 11380

Number of cycles run: 2073

Number of cycles run: 3270

Number of cycles run: 1156

Number of cycles run: 2771

Number of cycles run: 2929

Number of cycles run: 50000

Number of cycles run: 3581

Number of cycles run: 2301

Number of cycles run: 8951

Number of cycles run: 28905

Number of cycles run: 40661

Number of cycles run: 1670

Number of cycles run: 29958

Number of cycles run: 409

Number of cycles run: 10407

Number of cycles run: 2771

Number of cycles run: 2678

Number of cycles run: 15044

Number of cycles run: 7723

Number of cycles run: 20336

Number of cycles run: 2707

Number of cycles run: 2634

Number of cycles run: 3514

Number of cycles run: 2206

Number of cycles run: 5247

Av cycles for attraction strength 0.6 is 11528

standard diviation is 15192.3738946

Testing average cycles for attraction strength 0.6

Number of cycles run: 13552

Number of cycles run: 2263

Number of cycles run: 637

Number of cycles run: 3690

Number of cycles run: 3536

Number of cycles run: 2399

Number of cycles run: 2691

Number of cycles run: 1961

Number of cycles run: 1829

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 17878

Number of cycles run: 2275

Number of cycles run: 2239

Number of cycles run: 2675

Number of cycles run: 1806

Number of cycles run: 1418

Number of cycles run: 50000

Number of cycles run: 1301

Number of cycles run: 45643

Number of cycles run: 4093

Number of cycles run: 13758

Number of cycles run: 50000

Number of cycles run: 1040

Number of cycles run: 2551

Number of cycles run: 2275

Number of cycles run: 8130

Number of cycles run: 2445

Number of cycles run: 1725

Number of cycles run: 2071

Number of cycles run: 2401

Number of cycles run: 5887

Number of cycles run: 50000

Number of cycles run: 6237

Number of cycles run: 25360

Number of cycles run: 2134

Number of cycles run: 2120

Number of cycles run: 4885

Number of cycles run: 2464

Number of cycles run: 7616

Number of cycles run: 20277

Number of cycles run: 50000

Number of cycles run: 929

Number of cycles run: 378

Number of cycles run: 2482

Number of cycles run: 50000

Number of cycles run: 3901

Number of cycles run: 431

Number of cycles run: 2196

Number of cycles run: 36113

Number of cycles run: 1360

Number of cycles run: 2637

Number of cycles run: 50000

Number of cycles run: 4346

Number of cycles run: 1783

Number of cycles run: 2987

Number of cycles run: 2751

Number of cycles run: 422

Number of cycles run: 2256

Number of cycles run: 1949

Number of cycles run: 5164

Number of cycles run: 5036

Number of cycles run: 50000

Number of cycles run: 35672

Number of cycles run: 6018

Number of cycles run: 3179

Number of cycles run: 4894

Number of cycles run: 4133

Number of cycles run: 18168

Number of cycles run: 1045

Number of cycles run: 2726

Number of cycles run: 50000

Number of cycles run: 6968

Number of cycles run: 856

Number of cycles run: 32397

Number of cycles run: 12199

Number of cycles run: 2269

Number of cycles run: 5787

Number of cycles run: 3521

Number of cycles run: 5124

Number of cycles run: 9510

Number of cycles run: 1178

Number of cycles run: 3499

Number of cycles run: 19081

Number of cycles run: 2770

Number of cycles run: 1498

Number of cycles run: 3504

Number of cycles run: 389

Number of cycles run: 2601

Number of cycles run: 3656

Number of cycles run: 5557

Number of cycles run: 2106

Number of cycles run: 43883

Number of cycles run: 33140

Number of cycles run: 2555

Number of cycles run: 6407

Number of cycles run: 2561

Number of cycles run: 1266

Number of cycles run: 1689

Number of cycles run: 3049

Av cycles for attraction strength 0.6 is 10972

standard diviation is 15971.3574218

Testing average cycles for attraction strength 0.6

Number of cycles run: 3962

Number of cycles run: 5631

Number of cycles run: 7611

Number of cycles run: 50000

Number of cycles run: 2114

Number of cycles run: 3401

Number of cycles run: 1456

Number of cycles run: 3510

Number of cycles run: 2049

Number of cycles run: 1798

Number of cycles run: 30200

Number of cycles run: 3133

Number of cycles run: 6940

Number of cycles run: 1377

Number of cycles run: 22171

Number of cycles run: 7410

Number of cycles run: 1473

Number of cycles run: 440

Number of cycles run: 1996

Number of cycles run: 1710

Number of cycles run: 438

Number of cycles run: 3658

Number of cycles run: 48084

Number of cycles run: 3650

Number of cycles run: 3080

Number of cycles run: 2549

Number of cycles run: 50000

Number of cycles run: 4348

Number of cycles run: 1469

Number of cycles run: 2270

Number of cycles run: 3946

Number of cycles run: 3898

Number of cycles run: 4481

Number of cycles run: 25141

Number of cycles run: 4874

Number of cycles run: 49777

Number of cycles run: 2517

Number of cycles run: 13784

Number of cycles run: 3726

Number of cycles run: 7519

Number of cycles run: 21560

Number of cycles run: 7019

Number of cycles run: 36543

Number of cycles run: 1758

Number of cycles run: 4766

Number of cycles run: 3936

Number of cycles run: 4933

Number of cycles run: 1735

Number of cycles run: 3603

Number of cycles run: 50000

Number of cycles run: 1732

Number of cycles run: 8965

Number of cycles run: 19794

Number of cycles run: 4969

Number of cycles run: 50000

Number of cycles run: 1632

Number of cycles run: 3038

Number of cycles run: 31373

Number of cycles run: 4385

Number of cycles run: 2739

Number of cycles run: 13396

Number of cycles run: 35059

Number of cycles run: 6706

Number of cycles run: 2525

Number of cycles run: 1615

Number of cycles run: 1819

Number of cycles run: 2356

Number of cycles run: 3852

Number of cycles run: 1271

Number of cycles run: 1818

Number of cycles run: 2966

Number of cycles run: 18580

Number of cycles run: 19618

Number of cycles run: 13055

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 2513

Number of cycles run: 2470

Number of cycles run: 2194

Number of cycles run: 6535

Number of cycles run: 50000

Number of cycles run: 2197

Number of cycles run: 33499

Number of cycles run: 2033

Number of cycles run: 1877

Number of cycles run: 1841

Number of cycles run: 29226

Number of cycles run: 3300

Number of cycles run: 5995

Number of cycles run: 2112

Number of cycles run: 1650

Number of cycles run: 3745

Number of cycles run: 50000

Number of cycles run: 1479

Number of cycles run: 41367

Number of cycles run: 7014

Number of cycles run: 414

Number of cycles run: 3475

Number of cycles run: 1601

Number of cycles run: 2500

Av cycles for attraction strength 0.6 is 11457

standard diviation is 15613.4276129

Testing average cycles for attraction strength 0.6

Number of cycles run: 46755

Number of cycles run: 2886

Number of cycles run: 2654

Number of cycles run: 1514

Number of cycles run: 8564

Number of cycles run: 1892

Number of cycles run: 1552

Number of cycles run: 1272

Number of cycles run: 4050

Number of cycles run: 43102

Number of cycles run: 1147

Number of cycles run: 50000

Number of cycles run: 3999

Number of cycles run: 2147

Number of cycles run: 21738

Number of cycles run: 1656

Number of cycles run: 3659

Number of cycles run: 50000

Number of cycles run: 2026

Number of cycles run: 8796

Number of cycles run: 50000

Number of cycles run: 30406

Number of cycles run: 50000

Number of cycles run: 2364

Number of cycles run: 504

Number of cycles run: 1619

Number of cycles run: 50000

Number of cycles run: 18461

Number of cycles run: 1881

Number of cycles run: 50000

Number of cycles run: 1665

Number of cycles run: 46970

Number of cycles run: 1782

Number of cycles run: 385

Number of cycles run: 1639

Number of cycles run: 2583

Number of cycles run: 929

Number of cycles run: 1960

Number of cycles run: 16352

Number of cycles run: 2539

Number of cycles run: 6029

Number of cycles run: 3398

Number of cycles run: 3525

Number of cycles run: 2319

Number of cycles run: 3247

Number of cycles run: 2824

Number of cycles run: 1604

Number of cycles run: 36836

Number of cycles run: 6582

Number of cycles run: 1659

Number of cycles run: 50000

Number of cycles run: 1582

Number of cycles run: 2160

Number of cycles run: 12908

Number of cycles run: 50000

Number of cycles run: 2900

Number of cycles run: 2936

Number of cycles run: 50000

Number of cycles run: 3133

Number of cycles run: 439

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 13644

Number of cycles run: 1647

Number of cycles run: 1275

Number of cycles run: 15248

Number of cycles run: 2542

Number of cycles run: 2285

Number of cycles run: 4762

Number of cycles run: 381

Number of cycles run: 3633

Number of cycles run: 955

Number of cycles run: 2451

Number of cycles run: 4080

Number of cycles run: 50000

Number of cycles run: 4318

Number of cycles run: 13645

Number of cycles run: 3109

Number of cycles run: 5709

Number of cycles run: 3249

Number of cycles run: 6528

Number of cycles run: 2154

Number of cycles run: 2623

Number of cycles run: 8086

Number of cycles run: 3797

Number of cycles run: 19976

Number of cycles run: 50000

Number of cycles run: 2377

Number of cycles run: 3018

Number of cycles run: 6319

Number of cycles run: 3255

Number of cycles run: 1030

Number of cycles run: 2244

Number of cycles run: 3374

Number of cycles run: 7803

Number of cycles run: 1690

Number of cycles run: 2887

Number of cycles run: 3271

Number of cycles run: 3487

Number of cycles run: 2360

Av cycles for attraction strength 0.6 is 12047

standard diviation is 17312.6709591