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\_S1.py ===== /6 = 11758.6

Testing average cycles for attraction strength 0.2

Number of cycles run: 3845

Number of cycles run: 5307

Number of cycles run: 11760

Number of cycles run: 1112

Number of cycles run: 19827

Number of cycles run: 50000

Number of cycles run: 841

Number of cycles run: 7158

Number of cycles run: 13985

Number of cycles run: 1092

Number of cycles run: 50000

Number of cycles run: 2621

Number of cycles run: 30087

Number of cycles run: 2064

Number of cycles run: 1208

Number of cycles run: 4910

Number of cycles run: 10569

Number of cycles run: 6712

Number of cycles run: 50000

Number of cycles run: 610

Number of cycles run: 2161

Number of cycles run: 4212

Number of cycles run: 2569

Number of cycles run: 7770

Number of cycles run: 1543

Number of cycles run: 3698

Number of cycles run: 4483

Number of cycles run: 11381

Number of cycles run: 2127

Number of cycles run: 3839

Number of cycles run: 4281

Number of cycles run: 2829

Number of cycles run: 2987

Number of cycles run: 3907

Number of cycles run: 17027

Number of cycles run: 4829

Number of cycles run: 14208

Number of cycles run: 745

Number of cycles run: 2350

Number of cycles run: 3638

Number of cycles run: 9037

Number of cycles run: 8414

Number of cycles run: 7115

Number of cycles run: 6485

Number of cycles run: 2512

Number of cycles run: 6415

Number of cycles run: 2969

Number of cycles run: 11904

Number of cycles run: 21941

Number of cycles run: 2307

Number of cycles run: 5419

Number of cycles run: 7011

Number of cycles run: 7750

Number of cycles run: 454

Number of cycles run: 1786

Number of cycles run: 46402

Number of cycles run: 6322

Number of cycles run: 7596

Number of cycles run: 2436

Number of cycles run: 670

Number of cycles run: 50000

Number of cycles run: 3884

Number of cycles run: 950

Number of cycles run: 2057

Number of cycles run: 15700

Number of cycles run: 1168

Number of cycles run: 14536

Number of cycles run: 50000

Number of cycles run: 7271

Number of cycles run: 22660

Number of cycles run: 3206

Number of cycles run: 22582

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 3209

Number of cycles run: 2327

Number of cycles run: 4045

Number of cycles run: 50000

Number of cycles run: 3396

Number of cycles run: 4971

Number of cycles run: 6392

Number of cycles run: 7675

Number of cycles run: 50000

Number of cycles run: 4288

Number of cycles run: 6168

Number of cycles run: 50000

Number of cycles run: 2413

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 3743

Number of cycles run: 3308

Number of cycles run: 8094

Number of cycles run: 3530

Number of cycles run: 5569

Number of cycles run: 2506

Number of cycles run: 1473

Number of cycles run: 1717

Number of cycles run: 3181

Number of cycles run: 1648

Number of cycles run: 6818

Av cycles for attraction strength 0.2 is 11697

standard diviation is 15708.8675553

Testing average cycles for attraction strength 0.2

Number of cycles run: 3229

Number of cycles run: 3860

Number of cycles run: 962

Number of cycles run: 16702

Number of cycles run: 2063

Number of cycles run: 3682

Number of cycles run: 2297

Number of cycles run: 1268

Number of cycles run: 3724

Number of cycles run: 1358

Number of cycles run: 2403

Number of cycles run: 2480

Number of cycles run: 1859

Number of cycles run: 1677

Number of cycles run: 2485

Number of cycles run: 5826

Number of cycles run: 22741

Number of cycles run: 10230

Number of cycles run: 1550

Number of cycles run: 50000

Number of cycles run: 13553

Number of cycles run: 1690

Number of cycles run: 50000

Number of cycles run: 6204

Number of cycles run: 4761

Number of cycles run: 12361

Number of cycles run: 2628

Number of cycles run: 4447

Number of cycles run: 1811

Number of cycles run: 4706

Number of cycles run: 41343

Number of cycles run: 12169

Number of cycles run: 2116

Number of cycles run: 4399

Number of cycles run: 21026

Number of cycles run: 18686

Number of cycles run: 3048

Number of cycles run: 1077

Number of cycles run: 3300

Number of cycles run: 3488

Number of cycles run: 50000

Number of cycles run: 904

Number of cycles run: 428

Number of cycles run: 2242

Number of cycles run: 2475

Number of cycles run: 7098

Number of cycles run: 1256

Number of cycles run: 1922

Number of cycles run: 3923

Number of cycles run: 9204

Number of cycles run: 2304

Number of cycles run: 5328

Number of cycles run: 3056

Number of cycles run: 50000

Number of cycles run: 11248

Number of cycles run: 7097

Number of cycles run: 6905

Number of cycles run: 4773

Number of cycles run: 3965

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 1152

Number of cycles run: 6056

Number of cycles run: 3682

Number of cycles run: 2853

Number of cycles run: 30350

Number of cycles run: 3888

Number of cycles run: 1420

Number of cycles run: 10462

Number of cycles run: 50000

Number of cycles run: 4652

Number of cycles run: 50000

Number of cycles run: 17083

Number of cycles run: 13289

Number of cycles run: 21340

Number of cycles run: 456

Number of cycles run: 10823

Number of cycles run: 3670

Number of cycles run: 9886

Number of cycles run: 2814

Number of cycles run: 8287

Number of cycles run: 5127

Number of cycles run: 2915

Number of cycles run: 1266

Number of cycles run: 50000

Number of cycles run: 6334

Number of cycles run: 2551

Number of cycles run: 31954

Number of cycles run: 600

Number of cycles run: 7654

Number of cycles run: 2254

Number of cycles run: 1828

Number of cycles run: 4194

Number of cycles run: 8989

Number of cycles run: 7688

Number of cycles run: 1235

Number of cycles run: 2308

Number of cycles run: 2240

Number of cycles run: 21079

Number of cycles run: 454

Av cycles for attraction strength 0.2 is 10401

standard diviation is 14384.5030716

Testing average cycles for attraction strength 0.2

Number of cycles run: 3003

Number of cycles run: 691

Number of cycles run: 3217

Number of cycles run: 2717

Number of cycles run: 10560

Number of cycles run: 3774

Number of cycles run: 3863

Number of cycles run: 4213

Number of cycles run: 6538

Number of cycles run: 2500

Number of cycles run: 1037

Number of cycles run: 8750

Number of cycles run: 2781

Number of cycles run: 6268

Number of cycles run: 8137

Number of cycles run: 4086

Number of cycles run: 1527

Number of cycles run: 10662

Number of cycles run: 1262

Number of cycles run: 28403

Number of cycles run: 967

Number of cycles run: 3174

Number of cycles run: 646

Number of cycles run: 50000

Number of cycles run: 5670

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 5573

Number of cycles run: 6082

Number of cycles run: 930

Number of cycles run: 1420

Number of cycles run: 12634

Number of cycles run: 3103

Number of cycles run: 4622

Number of cycles run: 4857

Number of cycles run: 8935

Number of cycles run: 3568

Number of cycles run: 7472

Number of cycles run: 4367

Number of cycles run: 3288

Number of cycles run: 5823

Number of cycles run: 6815

Number of cycles run: 2363

Number of cycles run: 5257

Number of cycles run: 5610

Number of cycles run: 18102

Number of cycles run: 50000

Number of cycles run: 9394

Number of cycles run: 2603

Number of cycles run: 3551

Number of cycles run: 11451

Number of cycles run: 7680

Number of cycles run: 2621

Number of cycles run: 4531

Number of cycles run: 4274

Number of cycles run: 5787

Number of cycles run: 1696

Number of cycles run: 2289

Number of cycles run: 3899

Number of cycles run: 3070

Number of cycles run: 614

Number of cycles run: 45786

Number of cycles run: 5935

Number of cycles run: 4998

Number of cycles run: 4497

Number of cycles run: 6457

Number of cycles run: 4398

Number of cycles run: 3088

Number of cycles run: 3511

Number of cycles run: 5473

Number of cycles run: 4890

Number of cycles run: 7572

Number of cycles run: 6387

Number of cycles run: 4834

Number of cycles run: 3145

Number of cycles run: 16961

Number of cycles run: 4258

Number of cycles run: 3775

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 2795

Number of cycles run: 10741

Number of cycles run: 4967

Number of cycles run: 4881

Number of cycles run: 777

Number of cycles run: 50000

Number of cycles run: 3664

Number of cycles run: 4864

Number of cycles run: 5731

Number of cycles run: 50000

Number of cycles run: 17937

Number of cycles run: 987

Number of cycles run: 3862

Number of cycles run: 50000

Number of cycles run: 6477

Number of cycles run: 1981

Number of cycles run: 616

Number of cycles run: 3302

Number of cycles run: 1721

Number of cycles run: 1813

Av cycles for attraction strength 0.2 is 9618

standard diviation is 14003.5213426

Testing average cycles for attraction strength 0.2

Number of cycles run: 6375

Number of cycles run: 1695

Number of cycles run: 2895

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 4846

Number of cycles run: 1391

Number of cycles run: 4048

Number of cycles run: 33442

Number of cycles run: 2710

Number of cycles run: 2221

Number of cycles run: 50000

Number of cycles run: 1471

Number of cycles run: 1588

Number of cycles run: 2365

Number of cycles run: 8885

Number of cycles run: 4992

Number of cycles run: 1710

Number of cycles run: 50000

Number of cycles run: 4756

Number of cycles run: 2608

Number of cycles run: 2461

Number of cycles run: 5695

Number of cycles run: 3641

Number of cycles run: 5910

Number of cycles run: 2992

Number of cycles run: 3666

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 4725

Number of cycles run: 2875

Number of cycles run: 3374

Number of cycles run: 1618

Number of cycles run: 4300

Number of cycles run: 2725

Number of cycles run: 3309

Number of cycles run: 421

Number of cycles run: 1123

Number of cycles run: 5795

Number of cycles run: 1751

Number of cycles run: 6278

Number of cycles run: 1142

Number of cycles run: 1490

Number of cycles run: 1487

Number of cycles run: 14877

Number of cycles run: 50000

Number of cycles run: 24087

Number of cycles run: 3542

Number of cycles run: 8048

Number of cycles run: 1592

Number of cycles run: 6713

Number of cycles run: 20560

Number of cycles run: 14492

Number of cycles run: 4643

Number of cycles run: 14520

Number of cycles run: 50000

Number of cycles run: 9619

Number of cycles run: 12788

Number of cycles run: 2495

Number of cycles run: 16228

Number of cycles run: 638

Number of cycles run: 955

Number of cycles run: 1543

Number of cycles run: 1729

Number of cycles run: 2682

Number of cycles run: 2275

Number of cycles run: 546

Number of cycles run: 16328

Number of cycles run: 2069

Number of cycles run: 16560

Number of cycles run: 2018

Number of cycles run: 549

Number of cycles run: 50000

Number of cycles run: 10032

Number of cycles run: 2777

Number of cycles run: 477

Number of cycles run: 35816

Number of cycles run: 7009

Number of cycles run: 50000

Number of cycles run: 25399

Number of cycles run: 2633

Number of cycles run: 26022

Number of cycles run: 50000

Number of cycles run: 931

Number of cycles run: 4901

Number of cycles run: 2406

Number of cycles run: 2811

Number of cycles run: 50000

Number of cycles run: 5724

Number of cycles run: 2429

Number of cycles run: 2748

Number of cycles run: 29010

Number of cycles run: 1623

Number of cycles run: 50000

Number of cycles run: 4443

Number of cycles run: 5287

Number of cycles run: 489

Number of cycles run: 50000

Number of cycles run: 2829

Number of cycles run: 5755

Av cycles for attraction strength 0.2 is 12384

standard diviation is 16811.9240433

Testing average cycles for attraction strength 0.2

Number of cycles run: 3357

Number of cycles run: 14442

Number of cycles run: 7490

Number of cycles run: 7592

Number of cycles run: 27196

Number of cycles run: 40151

Number of cycles run: 50000

Number of cycles run: 1753

Number of cycles run: 3890

Number of cycles run: 3154

Number of cycles run: 13121

Number of cycles run: 5994

Number of cycles run: 29261

Number of cycles run: 3878

Number of cycles run: 5775

Number of cycles run: 3978

Number of cycles run: 2531

Number of cycles run: 50000

Number of cycles run: 15153

Number of cycles run: 1319

Number of cycles run: 1987

Number of cycles run: 1599

Number of cycles run: 2226

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 3039

Number of cycles run: 5717

Number of cycles run: 8939

Number of cycles run: 50000

Number of cycles run: 4686

Number of cycles run: 13002

Number of cycles run: 2137

Number of cycles run: 2676

Number of cycles run: 4973

Number of cycles run: 2675

Number of cycles run: 8246

Number of cycles run: 3375

Number of cycles run: 1976

Number of cycles run: 1103

Number of cycles run: 50000

Number of cycles run: 45471

Number of cycles run: 1888

Number of cycles run: 16563

Number of cycles run: 6760

Number of cycles run: 3189

Number of cycles run: 50000

Number of cycles run: 3772

Number of cycles run: 11182

Number of cycles run: 1016

Number of cycles run: 4310

Number of cycles run: 3546

Number of cycles run: 494

Number of cycles run: 8614

Number of cycles run: 50000

Number of cycles run: 1296

Number of cycles run: 2588

Number of cycles run: 2380

Number of cycles run: 2939

Number of cycles run: 454

Number of cycles run: 510

Number of cycles run: 17361

Number of cycles run: 50000

Number of cycles run: 2998

Number of cycles run: 2489

Number of cycles run: 2792

Number of cycles run: 2366

Number of cycles run: 4184

Number of cycles run: 2235

Number of cycles run: 8038

Number of cycles run: 31736

Number of cycles run: 3325

Number of cycles run: 50000

Number of cycles run: 2854

Number of cycles run: 4906

Number of cycles run: 9727

Number of cycles run: 656

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 6311

Number of cycles run: 6776

Number of cycles run: 14001

Number of cycles run: 2106

Number of cycles run: 2969

Number of cycles run: 35271

Number of cycles run: 2755

Number of cycles run: 1050

Number of cycles run: 50000

Number of cycles run: 586

Number of cycles run: 6444

Number of cycles run: 5431

Number of cycles run: 1736

Number of cycles run: 1013

Number of cycles run: 6180

Number of cycles run: 21123

Number of cycles run: 5664

Number of cycles run: 2758

Number of cycles run: 6702

Number of cycles run: 50000

Number of cycles run: 5139

Av cycles for attraction strength 0.2 is 13550

standard diviation is 17443.1883231

Testing average cycles for attraction strength 0.2

Number of cycles run: 4339

Number of cycles run: 11977

Number of cycles run: 33317

Number of cycles run: 5426

Number of cycles run: 6716

Number of cycles run: 4316

Number of cycles run: 1456

Number of cycles run: 4822

Number of cycles run: 3702

Number of cycles run: 1752

Number of cycles run: 3837

Number of cycles run: 4688

Number of cycles run: 6367

Number of cycles run: 1491

Number of cycles run: 6813

Number of cycles run: 50000

Number of cycles run: 1079

Number of cycles run: 2598

Number of cycles run: 44819

Number of cycles run: 3919

Number of cycles run: 7877

Number of cycles run: 44474

Number of cycles run: 42979

Number of cycles run: 5703

Number of cycles run: 7096

Number of cycles run: 624

Number of cycles run: 27077

Number of cycles run: 9594

Number of cycles run: 5666

Number of cycles run: 6792

Number of cycles run: 50000

Number of cycles run: 1793

Number of cycles run: 4079

Number of cycles run: 10389

Number of cycles run: 9601

Number of cycles run: 50000

Number of cycles run: 1486

Number of cycles run: 11201

Number of cycles run: 9561

Number of cycles run: 50000

Number of cycles run: 7228

Number of cycles run: 4209

Number of cycles run: 50000

Number of cycles run: 3330

Number of cycles run: 5094

Number of cycles run: 2426

Number of cycles run: 45563

Number of cycles run: 2610

Number of cycles run: 5626

Number of cycles run: 9921

Number of cycles run: 2666

Number of cycles run: 1289

Number of cycles run: 23015

Number of cycles run: 6127

Number of cycles run: 1308

Number of cycles run: 10097

Number of cycles run: 4213

Number of cycles run: 576

Number of cycles run: 13798

Number of cycles run: 1791

Number of cycles run: 887

Number of cycles run: 2739

Number of cycles run: 5506

Number of cycles run: 2278

Number of cycles run: 4895

Number of cycles run: 5248

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 5067

Number of cycles run: 5122

Number of cycles run: 8359

Number of cycles run: 3874

Number of cycles run: 4281

Number of cycles run: 5631

Number of cycles run: 8089

Number of cycles run: 2074

Number of cycles run: 1462

Number of cycles run: 605

Number of cycles run: 5745

Number of cycles run: 4208

Number of cycles run: 1164

Number of cycles run: 50000

Number of cycles run: 6741

Number of cycles run: 3153

Number of cycles run: 49191

Number of cycles run: 1888

Number of cycles run: 50000

Number of cycles run: 705

Number of cycles run: 50000

Number of cycles run: 3415

Number of cycles run: 50000

Number of cycles run: 11252

Number of cycles run: 50000

Number of cycles run: 3473

Number of cycles run: 2700

Number of cycles run: 3063

Number of cycles run: 4207

Number of cycles run: 4233

Number of cycles run: 3003

Number of cycles run: 5675

Av cycles for attraction strength 0.2 is 12902

standard diviation is 16990.0927783