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\_S2.py ===== /2

8942.85

Testing average cycles for attraction strength 0.6

Number of cycles run: 5832

Number of cycles run: 18912

Number of cycles run: 10186

Number of cycles run: 29081

Number of cycles run: 1657

Number of cycles run: 1576

Number of cycles run: 629

Number of cycles run: 5442

Number of cycles run: 580

Number of cycles run: 3692

Number of cycles run: 886

Number of cycles run: 3167

Number of cycles run: 4436

Number of cycles run: 1767

Number of cycles run: 3836

Number of cycles run: 636

Number of cycles run: 489

Number of cycles run: 3845

Number of cycles run: 5282

Number of cycles run: 10220

Number of cycles run: 2263

Number of cycles run: 2268

Number of cycles run: 7394

Number of cycles run: 598

Number of cycles run: 804

Number of cycles run: 1379

Number of cycles run: 3121

Number of cycles run: 11050

Number of cycles run: 2493

Number of cycles run: 3030

Number of cycles run: 4060

Number of cycles run: 2608

Number of cycles run: 1172

Number of cycles run: 2208

Number of cycles run: 2470

Number of cycles run: 2043

Number of cycles run: 3573

Number of cycles run: 3672

Number of cycles run: 50000

Number of cycles run: 6093

Number of cycles run: 1517

Number of cycles run: 1829

Number of cycles run: 3006

Number of cycles run: 3367

Number of cycles run: 1748

Number of cycles run: 2573

Number of cycles run: 17120

Number of cycles run: 50000

Number of cycles run: 6653

Number of cycles run: 5540

Number of cycles run: 3086

Number of cycles run: 2708

Number of cycles run: 518

Number of cycles run: 3807

Number of cycles run: 533

Number of cycles run: 50000

Number of cycles run: 935

Number of cycles run: 3418

Number of cycles run: 1251

Number of cycles run: 1816

Number of cycles run: 50000

Number of cycles run: 2666

Number of cycles run: 6346

Number of cycles run: 980

Number of cycles run: 3241

Number of cycles run: 6201

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 4315

Number of cycles run: 1833

Number of cycles run: 6611

Number of cycles run: 5150

Number of cycles run: 4728

Number of cycles run: 2946

Number of cycles run: 3156

Number of cycles run: 904

Number of cycles run: 4722

Number of cycles run: 412

Number of cycles run: 1210

Number of cycles run: 1865

Number of cycles run: 2700

Number of cycles run: 1936

Number of cycles run: 8030

Number of cycles run: 862

Number of cycles run: 6282

Number of cycles run: 4252

Number of cycles run: 3960

Number of cycles run: 460

Number of cycles run: 2805

Number of cycles run: 2343

Number of cycles run: 8465

Number of cycles run: 5260

Number of cycles run: 50000

Number of cycles run: 5752

Number of cycles run: 6815

Number of cycles run: 3432

Number of cycles run: 2816

Number of cycles run: 2768

Number of cycles run: 4256

Number of cycles run: 5832

Av cycles for attraction strength 0.6 is 7221

standard diviation is 12440.7145217

Testing average cycles for attraction strength 0.6

Number of cycles run: 552

Number of cycles run: 2332

Number of cycles run: 650

Number of cycles run: 2131

Number of cycles run: 45134

Number of cycles run: 23646

Number of cycles run: 1234

Number of cycles run: 0

Number of cycles run: 50000

Number of cycles run: 7198

Number of cycles run: 1642

Number of cycles run: 50000

Number of cycles run: 3672

Number of cycles run: 459

Number of cycles run: 991

Number of cycles run: 7493

Number of cycles run: 1174

Number of cycles run: 4289

Number of cycles run: 40073

Number of cycles run: 2330

Number of cycles run: 1305

Number of cycles run: 24723

Number of cycles run: 6826

Number of cycles run: 516

Number of cycles run: 3657

Number of cycles run: 2946

Number of cycles run: 2113

Number of cycles run: 1575

Number of cycles run: 11820

Number of cycles run: 12146

Number of cycles run: 5480

Number of cycles run: 23152

Number of cycles run: 7479

Number of cycles run: 42233

Number of cycles run: 1661

Number of cycles run: 2734

Number of cycles run: 4559

Number of cycles run: 6962

Number of cycles run: 2710

Number of cycles run: 1326

Number of cycles run: 4132

Number of cycles run: 32268

Number of cycles run: 2453

Number of cycles run: 4669

Number of cycles run: 3698

Number of cycles run: 3140

Number of cycles run: 6308

Number of cycles run: 2245

Number of cycles run: 4331

Number of cycles run: 1128

Number of cycles run: 2250

Number of cycles run: 2676

Number of cycles run: 1868

Number of cycles run: 1252

Number of cycles run: 1859

Number of cycles run: 2711

Number of cycles run: 2131

Number of cycles run: 5208

Number of cycles run: 9230

Number of cycles run: 1112

Number of cycles run: 46367

Number of cycles run: 2376

Number of cycles run: 2492

Number of cycles run: 2598

Number of cycles run: 7155

Number of cycles run: 3029

Number of cycles run: 1939

Number of cycles run: 4880

Number of cycles run: 1003

Number of cycles run: 2179

Number of cycles run: 491

Number of cycles run: 50000

Number of cycles run: 1984

Number of cycles run: 5830

Number of cycles run: 2542

Number of cycles run: 11944

Number of cycles run: 1644

Number of cycles run: 10315

Number of cycles run: 2417

Number of cycles run: 6588

Number of cycles run: 3963

Number of cycles run: 3310

Number of cycles run: 899

Number of cycles run: 2987

Number of cycles run: 7028

Number of cycles run: 16938

Number of cycles run: 3890

Number of cycles run: 4271

Number of cycles run: 50000

Number of cycles run: 931

Number of cycles run: 6160

Number of cycles run: 2158

Number of cycles run: 9265

Number of cycles run: 1719

Number of cycles run: 50000

Number of cycles run: 1593

Number of cycles run: 18962

Number of cycles run: 6736

Number of cycles run: 6217

Number of cycles run: 7882

Av cycles for attraction strength 0.6 is 8782

standard diviation is 13331.9982442

Testing average cycles for attraction strength 0.6

Number of cycles run: 6967

Number of cycles run: 4603

Number of cycles run: 24192

Number of cycles run: 3729

Number of cycles run: 4929

Number of cycles run: 914

Number of cycles run: 775

Number of cycles run: 4554

Number of cycles run: 461

Number of cycles run: 15136

Number of cycles run: 1770

Number of cycles run: 15056

Number of cycles run: 2152

Number of cycles run: 2338

Number of cycles run: 3379

Number of cycles run: 50000

Number of cycles run: 5743

Number of cycles run: 567

Number of cycles run: 5106

Number of cycles run: 2596

Number of cycles run: 4331

Number of cycles run: 3639

Number of cycles run: 2929

Number of cycles run: 4042

Number of cycles run: 1551

Number of cycles run: 466

Number of cycles run: 701

Number of cycles run: 4130

Number of cycles run: 10520

Number of cycles run: 1762

Number of cycles run: 7038

Number of cycles run: 5003

Number of cycles run: 4378

Number of cycles run: 1898

Number of cycles run: 2443

Number of cycles run: 5817

Number of cycles run: 1729

Number of cycles run: 38153

Number of cycles run: 5285

Number of cycles run: 6206

Number of cycles run: 3232

Number of cycles run: 5137

Number of cycles run: 16478

Number of cycles run: 6305

Number of cycles run: 3924

Number of cycles run: 6846

Number of cycles run: 1489

Number of cycles run: 3038

Number of cycles run: 6380

Number of cycles run: 2241

Number of cycles run: 1842

Number of cycles run: 604

Number of cycles run: 2935

Number of cycles run: 2814

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>>>

===== RESTART: /home/cserv1\_a/soc\_msc/ml16m6y/Downloads/schooling\_S1.py =====

Testing average cycles for attraction strength 0.6

Number of cycles run: 445

Number of cycles run: 2161

Number of cycles run: 3138

Number of cycles run: 3926

Number of cycles run: 2643

Number of cycles run: 3145

Number of cycles run: 687

Number of cycles run: 20006

Number of cycles run: 50000

Number of cycles run: 10086

Number of cycles run: 50000

Number of cycles run: 2305

Number of cycles run: 4769

Number of cycles run: 6232

Number of cycles run: 1797

Number of cycles run: 1779

Number of cycles run: 4227

Number of cycles run: 7238

Number of cycles run: 5479

Number of cycles run: 2363

Number of cycles run: 3029

Number of cycles run: 50000

Number of cycles run: 1220

Number of cycles run: 4263

Number of cycles run: 8074

Number of cycles run: 3186

Number of cycles run: 695

Number of cycles run: 2406

Number of cycles run: 3786

Number of cycles run: 783

Number of cycles run: 849

Number of cycles run: 25384

Number of cycles run: 3317

Number of cycles run: 8283

Number of cycles run: 4176

Number of cycles run: 7942

Number of cycles run: 4254

Number of cycles run: 50000

Number of cycles run: 5722

Number of cycles run: 21627

Number of cycles run: 7667

Number of cycles run: 3829

Number of cycles run: 2918

Number of cycles run: 5193

Number of cycles run: 1571

Number of cycles run: 3400

Number of cycles run: 1768

Number of cycles run: 1634

Number of cycles run: 3394

Number of cycles run: 9825

Number of cycles run: 50000

Number of cycles run: 43791

Number of cycles run: 836

Number of cycles run: 1843

Number of cycles run: 3239

Number of cycles run: 2543

Number of cycles run: 6333

Number of cycles run: 29947

Number of cycles run: 5841

Number of cycles run: 3415

Number of cycles run: 2257

Number of cycles run: 1809

Number of cycles run: 438

Number of cycles run: 50000

Number of cycles run: 2575

Number of cycles run: 12487

Number of cycles run: 2504

Number of cycles run: 3201

Number of cycles run: 2233

Number of cycles run: 11020

Number of cycles run: 4972

Number of cycles run: 5215

Number of cycles run: 455

Number of cycles run: 50000

Number of cycles run: 1273

Number of cycles run: 3332

Number of cycles run: 50000

Number of cycles run: 2217

Number of cycles run: 4795

Number of cycles run: 515

Number of cycles run: 1517

Number of cycles run: 3333

Number of cycles run: 8733

Number of cycles run: 3505

Number of cycles run: 10836

Number of cycles run: 855

Number of cycles run: 1680

Number of cycles run: 876

Number of cycles run: 5395

Number of cycles run: 4660

Number of cycles run: 621

Number of cycles run: 1888

Number of cycles run: 548

Number of cycles run: 1197

Number of cycles run: 3219

Number of cycles run: 50000

Number of cycles run: 430

Number of cycles run: 5807

Number of cycles run: 3481

Number of cycles run: 15762

Av cycles for attraction strength 0.6 is 9160

standard diviation is 14367.6794634

Testing average cycles for attraction strength 0.6

Number of cycles run: 27946

Number of cycles run: 7332

Number of cycles run: 938

Number of cycles run: 3454

Number of cycles run: 1770

Number of cycles run: 5608

Number of cycles run: 4087

Number of cycles run: 11150

Number of cycles run: 10499

Number of cycles run: 1511

Number of cycles run: 896

Number of cycles run: 3167

Number of cycles run: 2155

Number of cycles run: 1932

Number of cycles run: 50000

Number of cycles run: 965

Number of cycles run: 4376

Number of cycles run: 1489

Number of cycles run: 7533

Number of cycles run: 520

Number of cycles run: 653

Number of cycles run: 5937

Number of cycles run: 4580

Number of cycles run: 3658

Number of cycles run: 2728

Number of cycles run: 2376

Number of cycles run: 50000

Number of cycles run: 2946

Number of cycles run: 2113

Number of cycles run: 2007

Number of cycles run: 11455

Number of cycles run: 3633

Number of cycles run: 3737

Number of cycles run: 6363

Number of cycles run: 2469

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 743

Number of cycles run: 1931

Number of cycles run: 1821

Number of cycles run: 4922

Number of cycles run: 4270

Number of cycles run: 3323

Number of cycles run: 7447

Number of cycles run: 766

Number of cycles run: 7812

Number of cycles run: 2949

Number of cycles run: 1051

Number of cycles run: 23427

Number of cycles run: 1382

Number of cycles run: 6242

Number of cycles run: 3453

Number of cycles run: 2610

Number of cycles run: 9798

Number of cycles run: 1492

Number of cycles run: 15708

Number of cycles run: 585

Number of cycles run: 2781

Number of cycles run: 2737

Number of cycles run: 3196

Number of cycles run: 1539

Number of cycles run: 50000

Number of cycles run: 1649

Number of cycles run: 2450

Number of cycles run: 448

Number of cycles run: 3373

Number of cycles run: 507

Number of cycles run: 50000

Number of cycles run: 1309

Number of cycles run: 5183

Number of cycles run: 590

Number of cycles run: 50000

Number of cycles run: 3022

Number of cycles run: 776

Number of cycles run: 1094

Number of cycles run: 1713

Number of cycles run: 5498

Number of cycles run: 2003

Number of cycles run: 4981

Number of cycles run: 3141

Number of cycles run: 50000

Number of cycles run: 5320

Number of cycles run: 604

Number of cycles run: 21837

Number of cycles run: 2676

Number of cycles run: 3297

Number of cycles run: 2458

Number of cycles run: 1561

Number of cycles run: 4853

Number of cycles run: 937

Number of cycles run: 13268

Number of cycles run: 3562

Number of cycles run: 2469

Number of cycles run: 617

Number of cycles run: 533

Number of cycles run: 14892

Number of cycles run: 2449

Number of cycles run: 50000

Number of cycles run: 16582

Number of cycles run: 4973

Av cycles for attraction strength 0.6 is 8545

standard diviation is 13968.7069706

Testing average cycles for attraction strength 0.6

Number of cycles run: 50000

Number of cycles run: 2693

Number of cycles run: 2099

Number of cycles run: 6530

Number of cycles run: 6781

Number of cycles run: 10894

Number of cycles run: 1825

Number of cycles run: 2958

Number of cycles run: 3506

Number of cycles run: 806

Number of cycles run: 4889

Number of cycles run: 12295

Number of cycles run: 4362

Number of cycles run: 15340

Number of cycles run: 50000

Number of cycles run: 29715

Number of cycles run: 2442

Number of cycles run: 5891

Number of cycles run: 591

Number of cycles run: 3490

Number of cycles run: 20680

Number of cycles run: 2591

Number of cycles run: 8515

Number of cycles run: 6764

Number of cycles run: 3546

Number of cycles run: 3820

Number of cycles run: 5445

Number of cycles run: 796

Number of cycles run: 7584

Number of cycles run: 1161

Number of cycles run: 50000

Number of cycles run: 634

Number of cycles run: 5452

Number of cycles run: 691

Number of cycles run: 18503

Number of cycles run: 50000

Number of cycles run: 3927

Number of cycles run: 4459

Number of cycles run: 2803

Number of cycles run: 50000

Number of cycles run: 716

Number of cycles run: 48857

Number of cycles run: 3059

Number of cycles run: 6218

Number of cycles run: 50000

Number of cycles run: 13519

Number of cycles run: 3615

Number of cycles run: 2447

Number of cycles run: 6091

Number of cycles run: 3606

Number of cycles run: 1748

Number of cycles run: 2151

Number of cycles run: 6871

Number of cycles run: 14517

Number of cycles run: 2094

Number of cycles run: 4777

Number of cycles run: 449

Number of cycles run: 50000

Number of cycles run: 1896

Number of cycles run: 11696

Number of cycles run: 2583

Number of cycles run: 7362

Number of cycles run: 951

Number of cycles run: 3295

Number of cycles run: 4902

Number of cycles run: 50000

Number of cycles run: 2417

Number of cycles run: 779

Number of cycles run: 610

Number of cycles run: 4544

Number of cycles run: 903

Number of cycles run: 855

Number of cycles run: 465

Number of cycles run: 50000

Number of cycles run: 13705

Number of cycles run: 4538

Number of cycles run: 1724

Number of cycles run: 13971

Number of cycles run: 6568

Number of cycles run: 12842

Number of cycles run: 23509

Number of cycles run: 1103

Number of cycles run: 7872

Number of cycles run: 2420

Number of cycles run: 12244

Number of cycles run: 1934

Number of cycles run: 8855

Number of cycles run: 3062

Number of cycles run: 5765

Number of cycles run: 7360

Number of cycles run: 2271

Number of cycles run: 9907

Number of cycles run: 1093

Number of cycles run: 4339

Number of cycles run: 5804

Number of cycles run: 2306

Number of cycles run: 1026

Number of cycles run: 6004

Number of cycles run: 3323

Number of cycles run: 2260

Av cycles for attraction strength 0.6 is 9942

standard diviation is 14332.4056156

Testing average cycles for attraction strength 0.6

Number of cycles run: 1855

Number of cycles run: 3236

Number of cycles run: 4539

Number of cycles run: 2968

Number of cycles run: 4558

Number of cycles run: 5537

Number of cycles run: 2400

Number of cycles run: 2509

Number of cycles run: 6931

Number of cycles run: 668

Number of cycles run: 1666

Number of cycles run: 1549

Number of cycles run: 5093

Number of cycles run: 10160

Number of cycles run: 1550

Number of cycles run: 1565

Number of cycles run: 6218

Number of cycles run: 4049

Number of cycles run: 15880

Number of cycles run: 1417

Number of cycles run: 6730

Number of cycles run: 3269

Number of cycles run: 4288

Number of cycles run: 2498

Number of cycles run: 7149

Number of cycles run: 6018

Number of cycles run: 823

Number of cycles run: 2644

Number of cycles run: 1430

Number of cycles run: 50000

Number of cycles run: 17272

Number of cycles run: 538

Number of cycles run: 4504

Number of cycles run: 5000

Number of cycles run: 2221

Number of cycles run: 4964

Number of cycles run: 2782

Number of cycles run: 34535

Number of cycles run: 3714

Number of cycles run: 13484

Number of cycles run: 2901

Number of cycles run: 940

Number of cycles run: 37277

Number of cycles run: 13132

Number of cycles run: 1855

Number of cycles run: 3093

Number of cycles run: 453

Number of cycles run: 6428

Number of cycles run: 15342

Number of cycles run: 5991

Number of cycles run: 7019

Number of cycles run: 449

Number of cycles run: 2779

Number of cycles run: 465

Number of cycles run: 464

Number of cycles run: 1620

Number of cycles run: 2310

Number of cycles run: 956

Number of cycles run: 3746

Number of cycles run: 875

Number of cycles run: 3259

Number of cycles run: 3466

Number of cycles run: 1629

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 2134

Number of cycles run: 50000

Number of cycles run: 5546

Number of cycles run: 2328

Number of cycles run: 701

Number of cycles run: 10716

Number of cycles run: 3981

Number of cycles run: 3203

Number of cycles run: 4121

Number of cycles run: 4461

Number of cycles run: 2347

Number of cycles run: 1242

Number of cycles run: 2087

Number of cycles run: 1003

Number of cycles run: 3799

Number of cycles run: 2215

Number of cycles run: 4416

Number of cycles run: 5627

Number of cycles run: 10310

Number of cycles run: 2508

Number of cycles run: 1281

Number of cycles run: 1400

Number of cycles run: 16592

Number of cycles run: 8412

Number of cycles run: 2149

Number of cycles run: 1136

Number of cycles run: 3555

Number of cycles run: 1840

Number of cycles run: 3287

Number of cycles run: 2074

Number of cycles run: 10632

Number of cycles run: 50000

Number of cycles run: 6510

Number of cycles run: 6106

Number of cycles run: 2691

Av cycles for attraction strength 0.6 is 7150

standard diviation is 11433.8264029

Testing average cycles for attraction strength 0.6

Number of cycles run: 3191

Number of cycles run: 567

Number of cycles run: 3225

Number of cycles run: 1631

Number of cycles run: 2852

Number of cycles run: 3143

Number of cycles run: 6613

Number of cycles run: 30425

Number of cycles run: 1387

Number of cycles run: 1261

Number of cycles run: 4877

Number of cycles run: 463

Number of cycles run: 3265

Number of cycles run: 50000

Number of cycles run: 2706

Number of cycles run: 6111

Number of cycles run: 1577

Number of cycles run: 50000

Number of cycles run: 2095

Number of cycles run: 50000

Number of cycles run: 4573

Number of cycles run: 6402

Number of cycles run: 7271

Number of cycles run: 10815

Number of cycles run: 4905

Number of cycles run: 22084

Number of cycles run: 50000

Number of cycles run: 3716

Number of cycles run: 1376

Number of cycles run: 458

Number of cycles run: 672

Number of cycles run: 921

Number of cycles run: 4066

Number of cycles run: 50000

Number of cycles run: 4057

Number of cycles run: 50000

Number of cycles run: 577

Number of cycles run: 29912

Number of cycles run: 5627

Number of cycles run: 4243

Number of cycles run: 5477

Number of cycles run: 5236

Number of cycles run: 50000

Number of cycles run: 380

Number of cycles run: 50000

Number of cycles run: 678

Number of cycles run: 2887

Number of cycles run: 2644

Number of cycles run: 5412

Number of cycles run: 756

Number of cycles run: 4495

Number of cycles run: 50000

Number of cycles run: 10093

Number of cycles run: 1717

Number of cycles run: 11181

Number of cycles run: 50000

Number of cycles run: 2320

Number of cycles run: 6408

Number of cycles run: 50000

Number of cycles run: 951

Number of cycles run: 3572

Number of cycles run: 5744

Number of cycles run: 2225

Number of cycles run: 3830

Number of cycles run: 433

Number of cycles run: 50000

Number of cycles run: 3637

Number of cycles run: 5311

Number of cycles run: 2865

Number of cycles run: 3089

Number of cycles run: 4698

Number of cycles run: 1388

Number of cycles run: 50000

Number of cycles run: 497

Number of cycles run: 13537

Number of cycles run: 4120

Number of cycles run: 3362

Number of cycles run: 50000

Number of cycles run: 1591

Number of cycles run: 3902

Number of cycles run: 4302

Number of cycles run: 3477

Number of cycles run: 6297

Number of cycles run: 39411

Number of cycles run: 13374

Number of cycles run: 6024

Number of cycles run: 690

Number of cycles run: 43249

Number of cycles run: 2064

Number of cycles run: 435

Number of cycles run: 1550

Number of cycles run: 1975

Number of cycles run: 645

Number of cycles run: 1654

Number of cycles run: 11285

Number of cycles run: 11852

Number of cycles run: 1850

Number of cycles run: 3562

Number of cycles run: 2546

Number of cycles run: 12327

Av cycles for attraction strength 0.6 is 11800

standard diviation is 17073.287058

Testing average cycles for attraction strength 0.6

Number of cycles run: 5062

Number of cycles run: 5012

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 1837

Number of cycles run: 6250

Number of cycles run: 612

Number of cycles run: 1862

Number of cycles run: 50000