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 =====/8=6497

Testing average cycles for attraction strength 1.6

Number of cycles run: 1995

Number of cycles run: 10942

Number of cycles run: 50000

Number of cycles run: 2120

Number of cycles run: 1799

Number of cycles run: 2597

Number of cycles run: 50000

Number of cycles run: 6855

Number of cycles run: 959

Number of cycles run: 2553

Number of cycles run: 2042

Number of cycles run: 2245

Number of cycles run: 474

Number of cycles run: 931

Number of cycles run: 1248

Number of cycles run: 26973

Number of cycles run: 2934

Number of cycles run: 1493

Number of cycles run: 19161

Number of cycles run: 4300

Number of cycles run: 4179

Number of cycles run: 5660

Number of cycles run: 2538

Number of cycles run: 4693

Number of cycles run: 941

Number of cycles run: 1957

Number of cycles run: 1692

Number of cycles run: 2904

Number of cycles run: 2777

Number of cycles run: 50000

Number of cycles run: 3283

Number of cycles run: 5508

Number of cycles run: 5402

Number of cycles run: 2467

Number of cycles run: 2977

Number of cycles run: 1443

Number of cycles run: 2197

Number of cycles run: 1042

Number of cycles run: 1825

Number of cycles run: 927

Number of cycles run: 5603

Number of cycles run: 1567

Number of cycles run: 2661

Number of cycles run: 1387

Number of cycles run: 1340

Number of cycles run: 2886

Number of cycles run: 11657

Number of cycles run: 2309

Number of cycles run: 1625

Number of cycles run: 50000

Number of cycles run: 9631

Number of cycles run: 1202

Number of cycles run: 13169

Number of cycles run: 50000

Number of cycles run: 4109

Number of cycles run: 2279

Number of cycles run: 714

Number of cycles run: 2030

Number of cycles run: 452

Number of cycles run: 6078

Number of cycles run: 9276

Number of cycles run: 2318

Number of cycles run: 4701

Number of cycles run: 3840

Number of cycles run: 13212

Number of cycles run: 2278

Number of cycles run: 5425

Number of cycles run: 791

Number of cycles run: 464

Number of cycles run: 7878

Number of cycles run: 1606

Number of cycles run: 22161

Number of cycles run: 468

Number of cycles run: 4009

Number of cycles run: 6030

Number of cycles run: 735

Number of cycles run: 2230

Number of cycles run: 2900

Number of cycles run: 1125

Number of cycles run: 453

Number of cycles run: 1761

Number of cycles run: 50000

Number of cycles run: 1887

Number of cycles run: 945

Number of cycles run: 2612

Number of cycles run: 32294

Number of cycles run: 2402

Number of cycles run: 799

Number of cycles run: 1852

Number of cycles run: 4290

Number of cycles run: 860

Number of cycles run: 1866

Number of cycles run: 680

Number of cycles run: 4000

Number of cycles run: 3732

Number of cycles run: 3361

Number of cycles run: 1198

Number of cycles run: 2918

Number of cycles run: 1771

Number of cycles run: 14722

Av cycles for attraction strength 1.6 is 6925

standard diviation is 12136.6593513

Testing average cycles for attraction strength 1.6

Number of cycles run: 7416

Number of cycles run: 11236

Number of cycles run: 1416

Number of cycles run: 2277

Number of cycles run: 50000

Number of cycles run: 5115

Number of cycles run: 459

Number of cycles run: 1648

Number of cycles run: 4166

Number of cycles run: 809

Number of cycles run: 3733

Number of cycles run: 4929

Number of cycles run: 2859

Number of cycles run: 3677

Number of cycles run: 2322

Number of cycles run: 3226

Number of cycles run: 4129

Number of cycles run: 37304

Number of cycles run: 2313

Number of cycles run: 45506

Number of cycles run: 6668

Number of cycles run: 50000

Number of cycles run: 2961

Number of cycles run: 393

Number of cycles run: 470

Number of cycles run: 2776

Number of cycles run: 2747

Number of cycles run: 3996

Number of cycles run: 5945

Number of cycles run: 4429

Number of cycles run: 5167

Number of cycles run: 2779

Number of cycles run: 5565

Number of cycles run: 2419

Number of cycles run: 4202

Number of cycles run: 930

Number of cycles run: 2652

Number of cycles run: 5312

Number of cycles run: 2780

Number of cycles run: 5466

Number of cycles run: 1717

Number of cycles run: 1462

Number of cycles run: 1869

Number of cycles run: 2595

Number of cycles run: 26441

Number of cycles run: 749

Number of cycles run: 2510

Number of cycles run: 2837

Number of cycles run: 6244

Number of cycles run: 4341

Number of cycles run: 2059

Number of cycles run: 2231

Number of cycles run: 2800

Number of cycles run: 866

Number of cycles run: 4288

Number of cycles run: 5782

Number of cycles run: 8504

Number of cycles run: 3985

Number of cycles run: 2840

Number of cycles run: 2233

Number of cycles run: 12065

Number of cycles run: 4205

Number of cycles run: 10341

Number of cycles run: 1143

Number of cycles run: 7366

Number of cycles run: 1313

Number of cycles run: 1766

Number of cycles run: 5657

Number of cycles run: 2890

Number of cycles run: 3594

Number of cycles run: 1605

Number of cycles run: 1241

Number of cycles run: 1614

Number of cycles run: 8029

Number of cycles run: 3513

Number of cycles run: 3586

Number of cycles run: 4042

Number of cycles run: 1315

Number of cycles run: 1380

Number of cycles run: 2993

Number of cycles run: 1350

Number of cycles run: 3724

Number of cycles run: 1817

Number of cycles run: 1803

Number of cycles run: 3760

Number of cycles run: 3003

Number of cycles run: 3369

Number of cycles run: 3736

Number of cycles run: 3761

Number of cycles run: 18767

Number of cycles run: 3895

Number of cycles run: 617

Number of cycles run: 1451

Number of cycles run: 1259

Number of cycles run: 3300

Number of cycles run: 1760

Number of cycles run: 462

Number of cycles run: 4347

Number of cycles run: 4438

Number of cycles run: 3134

Av cycles for attraction strength 1.6 is 5479

standard diviation is 9035.26946141

Testing average cycles for attraction strength 1.6

Number of cycles run: 2450

Number of cycles run: 2165

Number of cycles run: 566

Number of cycles run: 1005

Number of cycles run: 42405

Number of cycles run: 3752

Number of cycles run: 918

Number of cycles run: 12880

Number of cycles run: 4093

Number of cycles run: 3015

Number of cycles run: 1562

Number of cycles run: 1129

Number of cycles run: 3421

Number of cycles run: 2538

Number of cycles run: 3892

Number of cycles run: 20988

Number of cycles run: 50000

Number of cycles run: 925

Number of cycles run: 4510

Number of cycles run: 615

Number of cycles run: 1549

Number of cycles run: 459

Number of cycles run: 3109

Number of cycles run: 10115

Number of cycles run: 50000

Number of cycles run: 3595

Number of cycles run: 448

Number of cycles run: 2966

Number of cycles run: 1384

Number of cycles run: 1849

Number of cycles run: 6528

Number of cycles run: 22625

Number of cycles run: 819

Number of cycles run: 1710

Number of cycles run: 9611

Number of cycles run: 8112

Number of cycles run: 591

Number of cycles run: 1830

Number of cycles run: 645

Number of cycles run: 3914

Number of cycles run: 1484

Number of cycles run: 1155

Number of cycles run: 50000

Number of cycles run: 1966

Number of cycles run: 1746

Number of cycles run: 5534

Number of cycles run: 2424

Number of cycles run: 1294

Number of cycles run: 2095

Number of cycles run: 2702

Number of cycles run: 1635

Number of cycles run: 1099

Number of cycles run: 449

Number of cycles run: 1105

Number of cycles run: 7612

Number of cycles run: 25161

Number of cycles run: 853

Number of cycles run: 1398

Number of cycles run: 568

Number of cycles run: 2403

Number of cycles run: 7399

Number of cycles run: 7253

Number of cycles run: 2777

Number of cycles run: 5372

Number of cycles run: 1881

Number of cycles run: 1253

Number of cycles run: 1761

Number of cycles run: 5312

Number of cycles run: 3132

Number of cycles run: 13736

Number of cycles run: 1105

Number of cycles run: 2062

Number of cycles run: 6246

Number of cycles run: 2724

Number of cycles run: 3088

Number of cycles run: 729

Number of cycles run: 672

Number of cycles run: 1536

Number of cycles run: 2180

Number of cycles run: 11022

Number of cycles run: 3992

Number of cycles run: 1239

Number of cycles run: 690

Number of cycles run: 1808

Number of cycles run: 10019

Number of cycles run: 2723

Number of cycles run: 24131

Number of cycles run: 541

Number of cycles run: 537

Number of cycles run: 3274

Number of cycles run: 3176

Number of cycles run: 4530

Number of cycles run: 9630

Number of cycles run: 3334

Number of cycles run: 3676

Number of cycles run: 1412

Number of cycles run: 11201

Number of cycles run: 50000

Number of cycles run: 1131

Number of cycles run: 50000

Av cycles for attraction strength 1.6 is 6756

standard diviation is 11747.7674125

Testing average cycles for attraction strength 1.6

Number of cycles run: 1911

Number of cycles run: 464

Number of cycles run: 3500

Number of cycles run: 1028

Number of cycles run: 3259

Number of cycles run: 1138

Number of cycles run: 1059

Number of cycles run: 2296

Number of cycles run: 3417

Number of cycles run: 2270

Number of cycles run: 2693

Number of cycles run: 10744

Number of cycles run: 43350

Number of cycles run: 9215

Number of cycles run: 3065

Number of cycles run: 1857

Number of cycles run: 8956

Number of cycles run: 2447

Number of cycles run: 1785

Number of cycles run: 1987

Number of cycles run: 1896

Number of cycles run: 2544

Number of cycles run: 3102

Number of cycles run: 1694

Number of cycles run: 7448

Number of cycles run: 724

Number of cycles run: 1855

Number of cycles run: 992

Number of cycles run: 22848

Number of cycles run: 3369

Number of cycles run: 1322

Number of cycles run: 8307

Number of cycles run: 3268

Number of cycles run: 3742

Number of cycles run: 2115

Number of cycles run: 797

Number of cycles run: 4531

Number of cycles run: 2788

Number of cycles run: 1394

Number of cycles run: 4080

Number of cycles run: 7038

Number of cycles run: 3033

Number of cycles run: 463

Number of cycles run: 3173

Number of cycles run: 7204

Number of cycles run: 14815

Number of cycles run: 1998

Number of cycles run: 1580

Number of cycles run: 1873

Number of cycles run: 50000

Number of cycles run: 2935

Number of cycles run: 4392

Number of cycles run: 2631

Number of cycles run: 748

Number of cycles run: 3627

Number of cycles run: 50000

Number of cycles run: 1007

Number of cycles run: 50000

Number of cycles run: 4536

Number of cycles run: 1195

Number of cycles run: 5912

Number of cycles run: 1006

Number of cycles run: 2427

Number of cycles run: 2069

Number of cycles run: 3795

Number of cycles run: 8642

Number of cycles run: 2052

Number of cycles run: 376

Number of cycles run: 4868

Number of cycles run: 2292

Number of cycles run: 2371

Number of cycles run: 1816

Number of cycles run: 2233

Number of cycles run: 1915

Number of cycles run: 1510

Number of cycles run: 1021

Number of cycles run: 4103

Number of cycles run: 1685

Number of cycles run: 50000

Number of cycles run: 6552

Number of cycles run: 3190

Number of cycles run: 11691

Number of cycles run: 466

Number of cycles run: 4169

Number of cycles run: 3773

Number of cycles run: 1415

Number of cycles run: 9838

Number of cycles run: 1228

Number of cycles run: 50000

Number of cycles run: 5300

Number of cycles run: 3510

Number of cycles run: 2262

Number of cycles run: 3915

Number of cycles run: 3040

Number of cycles run: 456

Number of cycles run: 2089

Number of cycles run: 1246

Number of cycles run: 8069

Number of cycles run: 1949

Number of cycles run: 1661

Av cycles for attraction strength 1.6 is 6234

standard diviation is 11336.6607317

Testing average cycles for attraction strength 1.6

Number of cycles run: 2522

Number of cycles run: 1033

Number of cycles run: 3398

Number of cycles run: 4162

Number of cycles run: 2421

Number of cycles run: 2858

Number of cycles run: 2592

Number of cycles run: 2842

Number of cycles run: 1365

Number of cycles run: 2011

Number of cycles run: 458

Number of cycles run: 28147

Number of cycles run: 19587

Number of cycles run: 50000

Number of cycles run: 398

Number of cycles run: 1641

Number of cycles run: 2598

Number of cycles run: 1636

Number of cycles run: 2316

Number of cycles run: 448

Number of cycles run: 2580

Number of cycles run: 5878

Number of cycles run: 1127

Number of cycles run: 1642

Number of cycles run: 1568

Number of cycles run: 887

Number of cycles run: 7690

Number of cycles run: 1624

Number of cycles run: 1359

Number of cycles run: 2451

Number of cycles run: 2392

Number of cycles run: 2653

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 2767

Number of cycles run: 3680

Number of cycles run: 459

Number of cycles run: 5755

Number of cycles run: 862

Number of cycles run: 2573

Number of cycles run: 2706

Number of cycles run: 7609

Number of cycles run: 5610

Number of cycles run: 10951

Number of cycles run: 1203

Number of cycles run: 50000

Number of cycles run: 3130

Number of cycles run: 2891

Number of cycles run: 3361

Number of cycles run: 1285

Number of cycles run: 2352

Number of cycles run: 5013

Number of cycles run: 2467

Number of cycles run: 2296

Number of cycles run: 4162

Number of cycles run: 3441

Number of cycles run: 50000

Number of cycles run: 2959

Number of cycles run: 1148

Number of cycles run: 6166

Number of cycles run: 1461

Number of cycles run: 1773

Number of cycles run: 3881

Number of cycles run: 6673

Number of cycles run: 2311

Number of cycles run: 4074

Number of cycles run: 8284

Number of cycles run: 3293

Number of cycles run: 5519

Number of cycles run: 1510

Number of cycles run: 1850

Number of cycles run: 1788

Number of cycles run: 3148

Number of cycles run: 1385

Number of cycles run: 2754

Number of cycles run: 1236

Number of cycles run: 2813

Number of cycles run: 4342

Number of cycles run: 893

Number of cycles run: 6627

Number of cycles run: 1270

Number of cycles run: 5054

Number of cycles run: 836

Number of cycles run: 47477

Number of cycles run: 3491

Number of cycles run: 6648

Number of cycles run: 461

Number of cycles run: 27008

Number of cycles run: 3190

Number of cycles run: 3598

Number of cycles run: 4623

Number of cycles run: 1911

Number of cycles run: 1937

Number of cycles run: 710

Number of cycles run: 18631

Number of cycles run: 3484

Number of cycles run: 4133

Number of cycles run: 2233

Number of cycles run: 35655

Number of cycles run: 1313

Av cycles for attraction strength 1.6 is 6884

standard diviation is 12168.7618501

Testing average cycles for attraction strength 1.6

Number of cycles run: 1630

Number of cycles run: 2771

Number of cycles run: 534

Number of cycles run: 3811

Number of cycles run: 1763

Number of cycles run: 856

Number of cycles run: 11936

Number of cycles run: 1007

Number of cycles run: 2960

Number of cycles run: 887

Number of cycles run: 4811

Number of cycles run: 1908

Number of cycles run: 2633

Number of cycles run: 2229

Number of cycles run: 2552

Number of cycles run: 2406

Number of cycles run: 3583

Number of cycles run: 3129

Number of cycles run: 5506

Number of cycles run: 3676

Number of cycles run: 2886

Number of cycles run: 3129

Number of cycles run: 3107

Number of cycles run: 1450

Number of cycles run: 2974

Number of cycles run: 1044

Number of cycles run: 2484

Number of cycles run: 50000

Number of cycles run: 4515

Number of cycles run: 1125

Number of cycles run: 2196

Number of cycles run: 1943

Number of cycles run: 644

Number of cycles run: 9329

Number of cycles run: 1049

Number of cycles run: 8105

Number of cycles run: 470

Number of cycles run: 3313

Number of cycles run: 1150

Number of cycles run: 23955

Number of cycles run: 50000

Number of cycles run: 2014

Number of cycles run: 565

Number of cycles run: 12499

Number of cycles run: 1856

Number of cycles run: 2195

Number of cycles run: 1815

Number of cycles run: 3877

Number of cycles run: 11332

Number of cycles run: 1390

Number of cycles run: 1306

Number of cycles run: 450

Number of cycles run: 2134

Number of cycles run: 9925

Number of cycles run: 2384

Number of cycles run: 50000

Number of cycles run: 1371

Number of cycles run: 735

Number of cycles run: 3085

Number of cycles run: 8077

Number of cycles run: 4856

Number of cycles run: 1596

Number of cycles run: 50000

Number of cycles run: 2755

Number of cycles run: 3189

Number of cycles run: 2072

Number of cycles run: 2823

Number of cycles run: 3575

Number of cycles run: 1793

Number of cycles run: 467

Number of cycles run: 8296

Number of cycles run: 2182

Number of cycles run: 2295

Number of cycles run: 1403

Number of cycles run: 2427

Number of cycles run: 2399

Number of cycles run: 3924

Number of cycles run: 1806

Number of cycles run: 3880

Number of cycles run: 3603

Number of cycles run: 2203

Number of cycles run: 1092

Number of cycles run: 50000

Number of cycles run: 2781

Number of cycles run: 6224

Number of cycles run: 5001

Number of cycles run: 908

Number of cycles run: 5662

Number of cycles run: 5028

Number of cycles run: 772

Number of cycles run: 5979

Number of cycles run: 1885

Number of cycles run: 8117

Number of cycles run: 11696

Number of cycles run: 50000

Number of cycles run: 23714

Number of cycles run: 2221

Number of cycles run: 3700

Number of cycles run: 10184

Number of cycles run: 2429

Av cycles for attraction strength 1.6 is 6574

standard diviation is 11712.1405116

Testing average cycles for attraction strength 1.6

Number of cycles run: 2387

Number of cycles run: 4045

Number of cycles run: 2842

Number of cycles run: 13225

Number of cycles run: 3066

Number of cycles run: 735

Number of cycles run: 647

Number of cycles run: 1976

Number of cycles run: 1843

Number of cycles run: 1724

Number of cycles run: 1886

Number of cycles run: 4992

Number of cycles run: 12265

Number of cycles run: 7270

Number of cycles run: 13774

Number of cycles run: 1846

Number of cycles run: 5709

Number of cycles run: 10104

Number of cycles run: 2205

Number of cycles run: 2231

Number of cycles run: 1551

Number of cycles run: 1716

Number of cycles run: 7355

Number of cycles run: 455

Number of cycles run: 4903

Number of cycles run: 2033

Number of cycles run: 3519

Number of cycles run: 50000

Number of cycles run: 1035

Number of cycles run: 2227

Number of cycles run: 1794

Number of cycles run: 1418

Number of cycles run: 3094

Number of cycles run: 2809

Number of cycles run: 817

Number of cycles run: 1584

Number of cycles run: 8478

Number of cycles run: 29128

Number of cycles run: 1467

Number of cycles run: 2259

Number of cycles run: 2788

Number of cycles run: 2247

Number of cycles run: 450

Number of cycles run: 1197

Number of cycles run: 3060

Number of cycles run: 3271

Number of cycles run: 1431

Number of cycles run: 1156

Number of cycles run: 1880

Number of cycles run: 4665

Number of cycles run: 1219

Number of cycles run: 427

Number of cycles run: 3805

Number of cycles run: 2701

Number of cycles run: 7694

Number of cycles run: 978

Number of cycles run: 2409

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 1953

Number of cycles run: 1820

Number of cycles run: 2346

Number of cycles run: 442

Number of cycles run: 1690

Number of cycles run: 1877

Number of cycles run: 3845

Number of cycles run: 16166

Number of cycles run: 2486

Number of cycles run: 1138

Number of cycles run: 28760

Number of cycles run: 9443

Number of cycles run: 1892

Number of cycles run: 2953

Number of cycles run: 930

Number of cycles run: 8518

Number of cycles run: 1514

Number of cycles run: 1292

Number of cycles run: 1937

Number of cycles run: 17982

Number of cycles run: 1575

Number of cycles run: 4660

Number of cycles run: 7025

Number of cycles run: 7265

Number of cycles run: 1562

Number of cycles run: 513

Number of cycles run: 4076

Number of cycles run: 6027

Number of cycles run: 1860

Number of cycles run: 6603

Number of cycles run: 2621

Number of cycles run: 3085

Number of cycles run: 465

Number of cycles run: 50000

Number of cycles run: 3201

Number of cycles run: 4414

Number of cycles run: 1397

Number of cycles run: 5939

Number of cycles run: 50000

Number of cycles run: 3370

Number of cycles run: 493

Av cycles for attraction strength 1.6 is 6389

standard diviation is 11184.9331601

Testing average cycles for attraction strength 1.6

Number of cycles run: 5627

Number of cycles run: 3386

Number of cycles run: 1770

Number of cycles run: 2546

Number of cycles run: 3081

Number of cycles run: 3331

Number of cycles run: 2022

Number of cycles run: 808

Number of cycles run: 1733

Number of cycles run: 2617

Number of cycles run: 3755

Number of cycles run: 3588

Number of cycles run: 1579

Number of cycles run: 3331

Number of cycles run: 9106

Number of cycles run: 939

Number of cycles run: 1464

Number of cycles run: 1430

Number of cycles run: 19566

Number of cycles run: 50000

Number of cycles run: 4696

Number of cycles run: 1749

Number of cycles run: 4683

Number of cycles run: 2056

Number of cycles run: 1547

Number of cycles run: 4391

Number of cycles run: 6780

Number of cycles run: 1574

Number of cycles run: 2039

Number of cycles run: 2060

Number of cycles run: 50000

Number of cycles run: 1858

Number of cycles run: 2392

Number of cycles run: 35533

Number of cycles run: 2361

Number of cycles run: 38063

Number of cycles run: 3672

Number of cycles run: 50000

Number of cycles run: 3624

Number of cycles run: 2957

Number of cycles run: 50000

Number of cycles run: 1040

Number of cycles run: 1829

Number of cycles run: 16408

Number of cycles run: 3014

Number of cycles run: 930

Number of cycles run: 2103

Number of cycles run: 4365

Number of cycles run: 5755

Number of cycles run: 1850

Number of cycles run: 3090

Number of cycles run: 2191

Number of cycles run: 2306

Number of cycles run: 1559

Number of cycles run: 1840

Number of cycles run: 1582

Number of cycles run: 2954

Number of cycles run: 2814

Number of cycles run: 1600

Number of cycles run: 8657

Number of cycles run: 1623

Number of cycles run: 2457

Number of cycles run: 2991

Number of cycles run: 6006

Number of cycles run: 19596

Number of cycles run: 8029

Number of cycles run: 50000

Number of cycles run: 933

Number of cycles run: 3613

Number of cycles run: 2896

Number of cycles run: 899

Number of cycles run: 1565

Number of cycles run: 430

Number of cycles run: 1723

Number of cycles run: 779

Number of cycles run: 1350

Number of cycles run: 1815

Number of cycles run: 1098

Number of cycles run: 5894

Number of cycles run: 3888

Number of cycles run: 3196

Number of cycles run: 6333

Number of cycles run: 1575

Number of cycles run: 2005

Number of cycles run: 456

Number of cycles run: 2117

Number of cycles run: 50000

Number of cycles run: 1303

Number of cycles run: 1251

Number of cycles run: 649

Number of cycles run: 6675

Number of cycles run: 2022

Number of cycles run: 1785

Number of cycles run: 468

Number of cycles run: 1371

Number of cycles run: 2382

Number of cycles run: 1698

Number of cycles run: 5783

Number of cycles run: 4537

Number of cycles run: 793

Av cycles for attraction strength 1.6 is 6735

standard diviation is 12386.525218