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\_R1.py =====

Testing average cycles for repulsion strength 2

Number of cycles run: 793

Number of cycles run: 986

Number of cycles run: 10431

Number of cycles run: 5347

Number of cycles run: 3791

Number of cycles run: 2638

Number of cycles run: 1544

Number of cycles run: 652

Number of cycles run: 3534

Number of cycles run: 16150

Number of cycles run: 8291

Number of cycles run: 457

Number of cycles run: 559

Number of cycles run: 5858

Number of cycles run: 2282

Number of cycles run: 50000

Number of cycles run: 496

Number of cycles run: 5961

Number of cycles run: 929

Number of cycles run: 9190

Number of cycles run: 2169

Number of cycles run: 1452

Number of cycles run: 620

Number of cycles run: 3730

Number of cycles run: 657

Number of cycles run: 5258

Number of cycles run: 4091

Number of cycles run: 4072

Number of cycles run: 16049

Number of cycles run: 661

Number of cycles run: 570

Number of cycles run: 1954

Number of cycles run: 5019

Number of cycles run: 1646

Number of cycles run: 19064

Number of cycles run: 1926

Number of cycles run: 520

Number of cycles run: 484

Number of cycles run: 14399

Number of cycles run: 2158

Number of cycles run: 1621

Number of cycles run: 3000

Number of cycles run: 4203

Number of cycles run: 5446

Number of cycles run: 2795

Number of cycles run: 3491

Number of cycles run: 6120

Number of cycles run: 2024

Number of cycles run: 2017

Number of cycles run: 508

Number of cycles run: 2429

Number of cycles run: 5875

Number of cycles run: 7783

Number of cycles run: 6188

Number of cycles run: 5430

Number of cycles run: 3274

Number of cycles run: 588

Number of cycles run: 4319

Number of cycles run: 6234

Number of cycles run: 7035

Number of cycles run: 36933

Number of cycles run: 4057

Number of cycles run: 653

Number of cycles run: 49261

Number of cycles run: 3386

Number of cycles run: 7793

Number of cycles run: 1940

Number of cycles run: 2892

Number of cycles run: 1727

Number of cycles run: 50000

Number of cycles run: 4002

Number of cycles run: 4179

Number of cycles run: 2032

Number of cycles run: 8430

Number of cycles run: 4731

Number of cycles run: 15733

Number of cycles run: 13579

Number of cycles run: 24920

Number of cycles run: 621

Number of cycles run: 2526

Number of cycles run: 50000

Number of cycles run: 18615

Number of cycles run: 50000

Number of cycles run: 25926

Number of cycles run: 38800

Number of cycles run: 4261

Number of cycles run: 4365

Number of cycles run: 5980

Number of cycles run: 50000

Number of cycles run: 5147

Number of cycles run: 32315

Number of cycles run: 779

Number of cycles run: 18810

Number of cycles run: 906

Number of cycles run: 2560

Number of cycles run: 1071

Number of cycles run: 25348

Number of cycles run: 1992

Number of cycles run: 1222

Number of cycles run: 926

Av cycles for repulsion strength 2 is 8751

standard diviation is 12963.0164645

Testing average cycles for repulsion strength 2

Number of cycles run: 1464

Number of cycles run: 3428

Number of cycles run: 50000

Number of cycles run: 7302

Number of cycles run: 1383

Number of cycles run: 17235

Number of cycles run: 1565

Number of cycles run: 648

Number of cycles run: 687

Number of cycles run: 2602

Number of cycles run: 7691

Number of cycles run: 11973

Number of cycles run: 665

Number of cycles run: 1989

Number of cycles run: 18814

Number of cycles run: 1685

Number of cycles run: 4198

Number of cycles run: 1015

Number of cycles run: 2212

Number of cycles run: 2627

Number of cycles run: 625

Number of cycles run: 3733

Number of cycles run: 3393

Number of cycles run: 1825

Number of cycles run: 1502

Number of cycles run: 4184

Number of cycles run: 7135

Number of cycles run: 1823

Number of cycles run: 540

Number of cycles run: 2963

Number of cycles run: 633

Number of cycles run: 2381

Number of cycles run: 1649

Number of cycles run: 1925

Number of cycles run: 579

Number of cycles run: 50000

Number of cycles run: 2024

Number of cycles run: 683

Number of cycles run: 6876

Number of cycles run: 5295

Number of cycles run: 1700

Number of cycles run: 495

Number of cycles run: 50000

Number of cycles run: 926

Number of cycles run: 637

Number of cycles run: 1277

Number of cycles run: 680

Number of cycles run: 2664

Number of cycles run: 839

Number of cycles run: 10026

Number of cycles run: 2163

Number of cycles run: 5484

Number of cycles run: 882

Number of cycles run: 2862

Number of cycles run: 8956

Number of cycles run: 3004

Number of cycles run: 3101

Number of cycles run: 1661

Number of cycles run: 2497

Number of cycles run: 2510

Number of cycles run: 3043

Number of cycles run: 1845

Number of cycles run: 3380

Number of cycles run: 7308

Number of cycles run: 4287

Number of cycles run: 3405

Number of cycles run: 812

Number of cycles run: 50000

Number of cycles run: 22363

Number of cycles run: 4755

Number of cycles run: 1810

Number of cycles run: 5334

Number of cycles run: 2515

Number of cycles run: 1346

Number of cycles run: 4691

Number of cycles run: 3575

Number of cycles run: 1175

Number of cycles run: 2463

Number of cycles run: 2349

Number of cycles run: 603

Number of cycles run: 8476

Number of cycles run: 587

Number of cycles run: 464

Number of cycles run: 4566

Number of cycles run: 3546

Number of cycles run: 3244

Number of cycles run: 780

Number of cycles run: 6200

Number of cycles run: 47933

Number of cycles run: 4785

Number of cycles run: 774

Number of cycles run: 5543

Number of cycles run: 23852

Number of cycles run: 3343

Number of cycles run: 50000

Number of cycles run: 9178

Number of cycles run: 2139

Number of cycles run: 3593

Number of cycles run: 802

Number of cycles run: 2878

Av cycles for repulsion strength 2 is 6510

standard diviation is 11731.8774874

Testing average cycles for repulsion strength 2

Number of cycles run: 8044

Number of cycles run: 3801

Number of cycles run: 8169

Number of cycles run: 2704

Number of cycles run: 1231

Number of cycles run: 1681

Number of cycles run: 1759

Number of cycles run: 2328

Number of cycles run: 50000

Number of cycles run: 5053

Number of cycles run: 5955

Number of cycles run: 2092

Number of cycles run: 2454

Number of cycles run: 2832

Number of cycles run: 15294

Number of cycles run: 2055

Number of cycles run: 3855

Number of cycles run: 974

Number of cycles run: 1684

Number of cycles run: 8782

Number of cycles run: 2884

Number of cycles run: 638

Number of cycles run: 518

Number of cycles run: 4693

Number of cycles run: 1113

Number of cycles run: 6945

Number of cycles run: 5767

Number of cycles run: 3362

Number of cycles run: 4504

Number of cycles run: 2809

Number of cycles run: 3023

Number of cycles run: 5375

Number of cycles run: 501

Number of cycles run: 1258

Number of cycles run: 12703

Number of cycles run: 2683

Number of cycles run: 6985

Number of cycles run: 1594

Number of cycles run: 4121

Number of cycles run: 3715

Number of cycles run: 2560

Number of cycles run: 4856

Number of cycles run: 3557

Number of cycles run: 10101

Number of cycles run: 1126

Number of cycles run: 2437

Number of cycles run: 1565

Number of cycles run: 16213

Number of cycles run: 2422

Number of cycles run: 909

Number of cycles run: 1835

Number of cycles run: 652

Number of cycles run: 3354

Number of cycles run: 50000

Number of cycles run: 7940

Number of cycles run: 9237

Number of cycles run: 50000

Number of cycles run: 3591

Number of cycles run: 14638

Number of cycles run: 50000

Number of cycles run: 3699

Number of cycles run: 667

Number of cycles run: 2649

Number of cycles run: 6236

Number of cycles run: 5839

Number of cycles run: 1275

Number of cycles run: 3311

Number of cycles run: 2697

Number of cycles run: 2108

Number of cycles run: 1181

Number of cycles run: 4926

Number of cycles run: 2830

Number of cycles run: 2763

Number of cycles run: 1170

Number of cycles run: 42982

Number of cycles run: 643

Number of cycles run: 3317

Number of cycles run: 745

Number of cycles run: 1531

Number of cycles run: 2874

Number of cycles run: 50000

Number of cycles run: 21644

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>>>

===== RESTART: /home/cserv1\_a/soc\_msc/ml16m6y/Downloads/schooling\_R1.py =====

Testing average cycles for repulsion strength 2

Number of cycles run: 12047

Number of cycles run: 3415

Number of cycles run: 1856

Number of cycles run: 680

Number of cycles run: 50000

Number of cycles run: 6865

Number of cycles run: 13530

Number of cycles run: 1752

Number of cycles run: 452

Number of cycles run: 1590

Number of cycles run: 2577

Number of cycles run: 6763

Number of cycles run: 1536

Number of cycles run: 3881

Number of cycles run: 1690

Number of cycles run: 547

Number of cycles run: 2443

Number of cycles run: 549

Number of cycles run: 50000

Number of cycles run: 32701

Number of cycles run: 2407

Number of cycles run: 546

Number of cycles run: 10709

Number of cycles run: 1451

Number of cycles run: 29987

Number of cycles run: 2433

Number of cycles run: 14319

Number of cycles run: 3867

Number of cycles run: 7397

Number of cycles run: 3161

Number of cycles run: 2272

Number of cycles run: 2427

Number of cycles run: 456

Number of cycles run: 7926

Number of cycles run: 5750

Number of cycles run: 2000

Number of cycles run: 5620

Number of cycles run: 1385

Number of cycles run: 6411

Number of cycles run: 2712

Number of cycles run: 2374

Number of cycles run: 7521

Number of cycles run: 2648

Number of cycles run: 5998

Number of cycles run: 484

Number of cycles run: 474

Number of cycles run: 3994

Number of cycles run: 4621

Number of cycles run: 1895

Number of cycles run: 2356

Number of cycles run: 666

Number of cycles run: 1311

Number of cycles run: 1658

Number of cycles run: 1827

Number of cycles run: 8363

Number of cycles run: 3327

Number of cycles run: 2823

Number of cycles run: 478

Number of cycles run: 1790

Number of cycles run: 2081

Number of cycles run: 468

Number of cycles run: 1976

Number of cycles run: 5123

Number of cycles run: 1731

Number of cycles run: 2521

Number of cycles run: 829

Number of cycles run: 4547

Number of cycles run: 3179

Number of cycles run: 3405

Number of cycles run: 4399

Number of cycles run: 3179

Number of cycles run: 759

Number of cycles run: 50000

Number of cycles run: 2738

Number of cycles run: 605

Number of cycles run: 1862

Number of cycles run: 871

Number of cycles run: 1733

Number of cycles run: 5594

Number of cycles run: 6930

Number of cycles run: 727

Number of cycles run: 13677

Number of cycles run: 5606

Number of cycles run: 2288

Number of cycles run: 1878

Number of cycles run: 7942

Number of cycles run: 50000

Number of cycles run: 2365

Number of cycles run: 1538

Number of cycles run: 1285

Number of cycles run: 920

Number of cycles run: 10769

Number of cycles run: 9444

Number of cycles run: 646

Number of cycles run: 1861

Number of cycles run: 8485

Number of cycles run: 8884

Number of cycles run: 13294

Number of cycles run: 2116

Number of cycles run: 1425

Av cycles for repulsion strength 2 is 6123

standard diviation is 10352.1808623

Testing average cycles for repulsion strength 2

Number of cycles run: 3529

Number of cycles run: 5661

Number of cycles run: 23029

Number of cycles run: 4495

Number of cycles run: 1061

Number of cycles run: 20066

Number of cycles run: 3542

Number of cycles run: 481

Number of cycles run: 19287

Number of cycles run: 1962

Number of cycles run: 2304

Number of cycles run: 6483

Number of cycles run: 7794

Number of cycles run: 2573

Number of cycles run: 1323

Number of cycles run: 767

Number of cycles run: 2124

Number of cycles run: 2518

Number of cycles run: 17508

Number of cycles run: 1688

Number of cycles run: 3506

Number of cycles run: 4787

Number of cycles run: 2741

Number of cycles run: 4099

Number of cycles run: 3789

Number of cycles run: 1754

Number of cycles run: 4320

Number of cycles run: 622

Number of cycles run: 2411

Number of cycles run: 747

Number of cycles run: 2012

Number of cycles run: 5955

Number of cycles run: 4584

Number of cycles run: 22022

Number of cycles run: 497

Number of cycles run: 8302

Number of cycles run: 16671

Number of cycles run: 50000

Number of cycles run: 20908

Number of cycles run: 1888

Number of cycles run: 741

Number of cycles run: 647

Number of cycles run: 3055

Number of cycles run: 2655

Number of cycles run: 3632

Number of cycles run: 4788

Number of cycles run: 1434

Number of cycles run: 4536

Number of cycles run: 50000

Number of cycles run: 628

Number of cycles run: 11241

Number of cycles run: 36856

Number of cycles run: 5991

Number of cycles run: 2246

Number of cycles run: 548

Number of cycles run: 1629

Number of cycles run: 4756

Number of cycles run: 3862

Number of cycles run: 656

Number of cycles run: 2700

Number of cycles run: 2418

Number of cycles run: 10397

Number of cycles run: 14794

Number of cycles run: 494

Number of cycles run: 5828

Number of cycles run: 4955

Number of cycles run: 632

Number of cycles run: 3027

Number of cycles run: 6921

Number of cycles run: 489

Number of cycles run: 14198

Number of cycles run: 667

Number of cycles run: 50000

Number of cycles run: 1312

Number of cycles run: 1942

Number of cycles run: 2828

Number of cycles run: 1446

Number of cycles run: 30949

Number of cycles run: 431

Number of cycles run: 50000

Number of cycles run: 9112

Number of cycles run: 3806

Number of cycles run: 665

Number of cycles run: 2309

Number of cycles run: 2592

Number of cycles run: 50000

Number of cycles run: 1548

Number of cycles run: 10446

Number of cycles run: 2888

Number of cycles run: 50000

Number of cycles run: 1239

Number of cycles run: 4252

Number of cycles run: 19032

Number of cycles run: 934

Number of cycles run: 1714

Number of cycles run: 3949

Number of cycles run: 3899

Number of cycles run: 3646

Number of cycles run: 5531

Number of cycles run: 2302

Av cycles for repulsion strength 2 is 8160

standard diviation is 12541.8542911

Testing average cycles for repulsion strength 2

Number of cycles run: 41649

Number of cycles run: 2467

Number of cycles run: 4674

Number of cycles run: 4253

Number of cycles run: 3053

Number of cycles run: 5595

Number of cycles run: 2843

Number of cycles run: 2767

Number of cycles run: 472

Number of cycles run: 4830

Number of cycles run: 3314

Number of cycles run: 3451

Number of cycles run: 50000

Number of cycles run: 998

Number of cycles run: 646

Number of cycles run: 570

Number of cycles run: 799

Number of cycles run: 10532

Number of cycles run: 3261

Number of cycles run: 652

Number of cycles run: 1093

Number of cycles run: 1782

Number of cycles run: 2743

Number of cycles run: 3614

Number of cycles run: 2217

Number of cycles run: 2703

Number of cycles run: 3535

Number of cycles run: 711

Number of cycles run: 1424

Number of cycles run: 16431

Number of cycles run: 3379

Number of cycles run: 4884

Number of cycles run: 2156

Number of cycles run: 2718

Number of cycles run: 10485

Number of cycles run: 3559

Number of cycles run: 3802

Number of cycles run: 654

Number of cycles run: 3963

Number of cycles run: 6856

Number of cycles run: 3178

Number of cycles run: 3458

Number of cycles run: 5286

Number of cycles run: 1845

Number of cycles run: 1913

Number of cycles run: 23627

Number of cycles run: 1577

Number of cycles run: 38157

Number of cycles run: 2839

Number of cycles run: 3986

Number of cycles run: 11333

Number of cycles run: 6367

Number of cycles run: 2934

Number of cycles run: 2633

Number of cycles run: 24346

Number of cycles run: 5423

Number of cycles run: 2728

Number of cycles run: 1710

Number of cycles run: 2769

Number of cycles run: 3351

Number of cycles run: 2551

Number of cycles run: 3606

Number of cycles run: 17905

Number of cycles run: 531

Number of cycles run: 3046

Number of cycles run: 10954

Number of cycles run: 6612

Number of cycles run: 13337

Number of cycles run: 610

Number of cycles run: 6218

Number of cycles run: 3344

Number of cycles run: 3944

Number of cycles run: 2205

Number of cycles run: 7155

Number of cycles run: 933

Number of cycles run: 50000

Number of cycles run: 4971

Number of cycles run: 3020

Number of cycles run: 50000

Number of cycles run: 4497

Number of cycles run: 1224

Number of cycles run: 1964

Number of cycles run: 3405

Number of cycles run: 1529

Number of cycles run: 2422

Number of cycles run: 653

Number of cycles run: 50000

Number of cycles run: 2019

Number of cycles run: 12155

Number of cycles run: 4057

Number of cycles run: 1451

Number of cycles run: 1770

Number of cycles run: 50000

Number of cycles run: 491

Number of cycles run: 713

Number of cycles run: 1752

Number of cycles run: 810

Number of cycles run: 1806

Number of cycles run: 2149

Number of cycles run: 1148

Av cycles for repulsion strength 2 is 7119

standard diviation is 11901.5868023

Testing average cycles for repulsion strength 2

Number of cycles run: 1029

Number of cycles run: 5472

Number of cycles run: 3015

Number of cycles run: 618

Number of cycles run: 19800

Number of cycles run: 3331

Number of cycles run: 590

Number of cycles run: 50000

Number of cycles run: 1729

Number of cycles run: 7595

Number of cycles run: 7821

Number of cycles run: 7285

Number of cycles run: 3174

Number of cycles run: 5633

Number of cycles run: 677

Number of cycles run: 41161

Number of cycles run: 2844

Number of cycles run: 3797

Number of cycles run: 3637

Number of cycles run: 50000

Number of cycles run: 3893

Number of cycles run: 454

Number of cycles run: 9120

Number of cycles run: 632

Number of cycles run: 20427

Number of cycles run: 2884

Number of cycles run: 924

Number of cycles run: 3469

Number of cycles run: 1009

Number of cycles run: 1674

Number of cycles run: 499

Number of cycles run: 2548

Number of cycles run: 512

Number of cycles run: 1223

Number of cycles run: 801

Number of cycles run: 497

Number of cycles run: 8636

Number of cycles run: 19389

Number of cycles run: 3698

Number of cycles run: 2437

Number of cycles run: 634

Number of cycles run: 24754

Number of cycles run: 9980

Number of cycles run: 2537

Number of cycles run: 457

Number of cycles run: 7993

Number of cycles run: 884

Number of cycles run: 3663

Number of cycles run: 1899

Number of cycles run: 6817

Number of cycles run: 2668

Number of cycles run: 8652

Number of cycles run: 50000

Number of cycles run: 1434

Number of cycles run: 2656

Number of cycles run: 1936

Number of cycles run: 647

Number of cycles run: 8396

Number of cycles run: 3143

Number of cycles run: 2775

Number of cycles run: 609

Number of cycles run: 6359

Number of cycles run: 1866

Number of cycles run: 539

Number of cycles run: 785

Number of cycles run: 480

Number of cycles run: 3382

Number of cycles run: 3293

Number of cycles run: 1555

Number of cycles run: 9615

Number of cycles run: 4593

Number of cycles run: 489

Number of cycles run: 976

Number of cycles run: 3112

Number of cycles run: 10586

Number of cycles run: 4881

Number of cycles run: 16889

Number of cycles run: 2939

Number of cycles run: 8745

Number of cycles run: 2850

Number of cycles run: 3017

Number of cycles run: 7783

Number of cycles run: 50000

Number of cycles run: 1481

Number of cycles run: 451

Number of cycles run: 1599

Number of cycles run: 2691

Number of cycles run: 1927

Number of cycles run: 7073

Number of cycles run: 3008

Number of cycles run: 789

Number of cycles run: 2963

Number of cycles run: 9286

Number of cycles run: 2142

Number of cycles run: 50000

Number of cycles run: 1735

Number of cycles run: 1961

Number of cycles run: 3315

Number of cycles run: 3446

Number of cycles run: 1655

Av cycles for repulsion strength 2 is 6867

standard diviation is 11552.7252005

Testing average cycles for repulsion strength 2

Number of cycles run: 3354

Number of cycles run: 1634

Number of cycles run: 850

Number of cycles run: 4768

Number of cycles run: 2840

Number of cycles run: 1566

Number of cycles run: 1985

Number of cycles run: 617

Number of cycles run: 5951

Number of cycles run: 1345

Number of cycles run: 975

Number of cycles run: 1791

Number of cycles run: 9137

Number of cycles run: 1657

Number of cycles run: 3637

Number of cycles run: 1578

Number of cycles run: 7467

Number of cycles run: 1677

Number of cycles run: 30411

Number of cycles run: 3041

Number of cycles run: 9345

Number of cycles run: 868

Number of cycles run: 17166

Number of cycles run: 50000

Number of cycles run: 487

Number of cycles run: 2330

Number of cycles run: 15382

Number of cycles run: 649

Number of cycles run: 4195

Number of cycles run: 1966

Number of cycles run: 2070

Number of cycles run: 8629

Number of cycles run: 3258

Number of cycles run: 1996

Number of cycles run: 2172

Number of cycles run: 4764

Number of cycles run: 904

Number of cycles run: 1362

Number of cycles run: 764

Number of cycles run: 2635

Number of cycles run: 4568

Number of cycles run: 714

Number of cycles run: 1199

Number of cycles run: 50000

Number of cycles run: 21532

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 943

Number of cycles run: 2930

Number of cycles run: 5522

Number of cycles run: 1379

Number of cycles run: 50000

Number of cycles run: 1051

Number of cycles run: 30642

Number of cycles run: 3734

Number of cycles run: 15721

Number of cycles run: 6893

Number of cycles run: 3371

Number of cycles run: 2633

Number of cycles run: 584

Number of cycles run: 1069

Number of cycles run: 1097

Number of cycles run: 4490

Number of cycles run: 3322

Number of cycles run: 14333

Number of cycles run: 6808

Number of cycles run: 3118

Number of cycles run: 7383

Number of cycles run: 50000

Number of cycles run: 4566

Number of cycles run: 4696

Number of cycles run: 12396

Number of cycles run: 2131

Number of cycles run: 7520

Number of cycles run: 657

Number of cycles run: 671

Number of cycles run: 10968

Number of cycles run: 1160

Number of cycles run: 1054

Number of cycles run: 694

Number of cycles run: 489

Number of cycles run: 50000

Number of cycles run: 466

Number of cycles run: 618

Number of cycles run: 1298

Number of cycles run: 8154

Number of cycles run: 14378

Number of cycles run: 2041

Number of cycles run: 10140

Number of cycles run: 1124

Number of cycles run: 2167

Number of cycles run: 639

Number of cycles run: 1121

Number of cycles run: 4628

Number of cycles run: 4660

Number of cycles run: 3302

Number of cycles run: 50000

Number of cycles run: 5453

Number of cycles run: 1895

Number of cycles run: 5865

Av cycles for repulsion strength 2 is 8272

standard diviation is 13544.6573093

Testing average cycles for repulsion strength 2

Number of cycles run: 2919

Number of cycles run: 7773

Number of cycles run: 8631

Number of cycles run: 3018

Number of cycles run: 2487

Number of cycles run: 2958

Number of cycles run: 2544

Number of cycles run: 1615

Number of cycles run: 14780

Number of cycles run: 2375

Number of cycles run: 1971

Number of cycles run: 1293

Number of cycles run: 5533

Number of cycles run: 2361

Number of cycles run: 22393

Number of cycles run: 1512

Number of cycles run: 15093

Number of cycles run: 1578

Number of cycles run: 4769

Number of cycles run: 476

Number of cycles run: 944

Number of cycles run: 830

Number of cycles run: 585

Number of cycles run: 2964

Number of cycles run: 8643

Number of cycles run: 8374

Number of cycles run: 3839

Number of cycles run: 3527

Number of cycles run: 2219

Number of cycles run: 2973

Number of cycles run: 8101

Number of cycles run: 50000

Number of cycles run: 442

Number of cycles run: 50000

Number of cycles run: 905

Number of cycles run: 9001

Number of cycles run: 2918

Number of cycles run: 5794

Number of cycles run: 1316

Number of cycles run: 7781

Number of cycles run: 2072

Number of cycles run: 2660

Number of cycles run: 5478

Number of cycles run: 662

Number of cycles run: 10311

Number of cycles run: 3451

Number of cycles run: 3213

Number of cycles run: 1283

Number of cycles run: 2567

Number of cycles run: 4041

Number of cycles run: 3588

Number of cycles run: 2168

Number of cycles run: 1816

Number of cycles run: 8566

Number of cycles run: 816

Number of cycles run: 50000

Number of cycles run: 6891

Number of cycles run: 17334

Number of cycles run: 5769

Number of cycles run: 3110

Number of cycles run: 15144

Number of cycles run: 2708

Number of cycles run: 2458

Number of cycles run: 6372

Number of cycles run: 5274

Number of cycles run: 50000

Number of cycles run: 1738

Number of cycles run: 2836

Number of cycles run: 1865

Number of cycles run: 3031

Number of cycles run: 1707

Number of cycles run: 430

Number of cycles run: 1605

Number of cycles run: 8782

Number of cycles run: 1129

Number of cycles run: 4063

Number of cycles run: 2074

Number of cycles run: 620

Number of cycles run: 7236

Number of cycles run: 6008

Number of cycles run: 1482

Number of cycles run: 50000

Number of cycles run: 12534

Number of cycles run: 44768

Number of cycles run: 9516

Number of cycles run: 3502

Number of cycles run: 3513

Number of cycles run: 1099

Number of cycles run: 26190

Number of cycles run: 3617

Number of cycles run: 2978

Number of cycles run: 1238

Number of cycles run: 5015

Number of cycles run: 14246

Number of cycles run: 726

Number of cycles run: 17010

Number of cycles run: 914

Number of cycles run: 7210

Number of cycles run: 6999

Number of cycles run: 50000

Av cycles for repulsion strength 2 is 8006

standard diviation is 12331.9118508

Testing average cycles for repulsion strength 2

Number of cycles run: 2493

Number of cycles run: 1710

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

[GCC 7.2.0] on linux

Type "copyright", "credits" or "license()" for more information.

>>>

===== RESTART: /home/cserv1\_a/soc\_msc/ml16m6y/Downloads/schooling\_R1.py =====/10=7659.3

Testing average cycles for repulsion strength 2

Number of cycles run: 2923

Number of cycles run: 33371

Number of cycles run: 2253

Number of cycles run: 1776

Number of cycles run: 3908

Number of cycles run: 4003

Number of cycles run: 831

Number of cycles run: 7252

Number of cycles run: 4773

Number of cycles run: 1876

Number of cycles run: 486

Number of cycles run: 6490

Number of cycles run: 2803

Number of cycles run: 2244

Number of cycles run: 818

Number of cycles run: 1632

Number of cycles run: 856

Number of cycles run: 7782

Number of cycles run: 771

Number of cycles run: 1407

Number of cycles run: 50000

Number of cycles run: 491

Number of cycles run: 6453

Number of cycles run: 3435

Number of cycles run: 2538

Number of cycles run: 5261

Number of cycles run: 1751

Number of cycles run: 2837

Number of cycles run: 18005

Number of cycles run: 50000

Number of cycles run: 3258

Number of cycles run: 3002

Number of cycles run: 50000

Number of cycles run: 2654

Number of cycles run: 3974

Number of cycles run: 3020

Number of cycles run: 6221

Number of cycles run: 446

Number of cycles run: 1274

Number of cycles run: 1308

Number of cycles run: 5561

Number of cycles run: 745

Number of cycles run: 4319

Number of cycles run: 5030

Number of cycles run: 22532

Number of cycles run: 3189

Number of cycles run: 4539

Number of cycles run: 8657

Number of cycles run: 4348

Number of cycles run: 841

Number of cycles run: 5363

Number of cycles run: 50000

Number of cycles run: 4090

Number of cycles run: 814

Number of cycles run: 650

Number of cycles run: 48460

Number of cycles run: 1870

Number of cycles run: 803

Number of cycles run: 19021

Number of cycles run: 2518

Number of cycles run: 50000

Number of cycles run: 5944

Number of cycles run: 1844

Number of cycles run: 30308

Number of cycles run: 618

Number of cycles run: 50000

Number of cycles run: 1423

Number of cycles run: 5260

Number of cycles run: 926

Number of cycles run: 50000

Number of cycles run: 1799

Number of cycles run: 6106

Number of cycles run: 4867

Number of cycles run: 530

Number of cycles run: 1474

Number of cycles run: 2160

Number of cycles run: 1584

Number of cycles run: 3821

Number of cycles run: 5184

Number of cycles run: 6269

Number of cycles run: 2813

Number of cycles run: 2017

Number of cycles run: 7490

Number of cycles run: 5268

Number of cycles run: 2644

Number of cycles run: 2188

Number of cycles run: 1325

Number of cycles run: 11390

Number of cycles run: 679

Number of cycles run: 50000

Number of cycles run: 2375

Number of cycles run: 21804

Number of cycles run: 2558

Number of cycles run: 50000

Number of cycles run: 4719

Number of cycles run: 4135

Number of cycles run: 1807

Number of cycles run: 4572

Number of cycles run: 30057

Number of cycles run: 5773

Av cycles for repulsion strength 2 is 9412

standard diviation is 14861.934275

Testing average cycles for repulsion strength 2

Number of cycles run: 17128

Number of cycles run: 4353

Number of cycles run: 2641

Number of cycles run: 1381

Number of cycles run: 5771

Number of cycles run: 9010

Number of cycles run: 4234

Number of cycles run: 5072

Number of cycles run: 5276

Number of cycles run: 1679

Number of cycles run: 608

Number of cycles run: 7453

Number of cycles run: 20165

Number of cycles run: 1259

Number of cycles run: 3806

Number of cycles run: 2839

Number of cycles run: 651

Number of cycles run: 1115

Number of cycles run: 1283

Number of cycles run: 2866

Number of cycles run: 30012

Number of cycles run: 10999

Number of cycles run: 740

Number of cycles run: 2149

Number of cycles run: 2066

Number of cycles run: 4098

Number of cycles run: 8140

Number of cycles run: 5030

Number of cycles run: 17427

Number of cycles run: 1126

Number of cycles run: 4191

Number of cycles run: 4610

Number of cycles run: 675

Number of cycles run: 50000

Number of cycles run: 4579

Number of cycles run: 5383

Number of cycles run: 6040

Number of cycles run: 2622

Number of cycles run: 498

Number of cycles run: 2557

Number of cycles run: 50000

Number of cycles run: 30363

Number of cycles run: 5208

Number of cycles run: 2292

Number of cycles run: 30761

Number of cycles run: 50000

Number of cycles run: 649

Number of cycles run: 650

Number of cycles run: 7868

Number of cycles run: 4296

Number of cycles run: 7136

Number of cycles run: 2723

Number of cycles run: 50000

Number of cycles run: 3874

Number of cycles run: 990

Number of cycles run: 4119

Number of cycles run: 2546

Number of cycles run: 3115

Number of cycles run: 7272

Number of cycles run: 3361

Number of cycles run: 2848

Number of cycles run: 3480

Number of cycles run: 10703

Number of cycles run: 4706

Number of cycles run: 3310

Number of cycles run: 649

Number of cycles run: 624

Number of cycles run: 13381

Number of cycles run: 1384

Number of cycles run: 3635

Number of cycles run: 624

Number of cycles run: 9087

Number of cycles run: 1172

Number of cycles run: 4494

Number of cycles run: 3907

Number of cycles run: 2219

Number of cycles run: 611

Number of cycles run: 6549

Number of cycles run: 50000

Number of cycles run: 6648

Number of cycles run: 4155

Number of cycles run: 604

Number of cycles run: 2636

Number of cycles run: 4553

Number of cycles run: 506

Number of cycles run: 3874

Number of cycles run: 4750

Number of cycles run: 2214

Number of cycles run: 3577

Number of cycles run: 2159

Number of cycles run: 1513

Number of cycles run: 10034

Number of cycles run: 3622

Number of cycles run: 1404

Number of cycles run: 5116

Number of cycles run: 7205

Number of cycles run: 1579

Number of cycles run: 14733

Number of cycles run: 3674

Number of cycles run: 678

Av cycles for repulsion strength 2 is 7373

standard diviation is 11423.1808251

Testing average cycles for repulsion strength 2

Number of cycles run: 2723

Number of cycles run: 2489

Number of cycles run: 3604

Number of cycles run: 2910

Number of cycles run: 6678

Number of cycles run: 737

Number of cycles run: 1917

Number of cycles run: 3302

Number of cycles run: 909

Number of cycles run: 7621

Number of cycles run: 6424

Number of cycles run: 4210

Number of cycles run: 1241

Number of cycles run: 3543

Number of cycles run: 1923

Number of cycles run: 11841

Number of cycles run: 5605

Number of cycles run: 2581

Number of cycles run: 960

Number of cycles run: 1704

Number of cycles run: 567

Number of cycles run: 2392

Number of cycles run: 567

Number of cycles run: 1333

Number of cycles run: 1995

Number of cycles run: 9574

Number of cycles run: 3088

Number of cycles run: 3310

Number of cycles run: 6086

Number of cycles run: 2181

Number of cycles run: 4381

Number of cycles run: 6939

Number of cycles run: 1385

Number of cycles run: 2202

Number of cycles run: 8032

Number of cycles run: 50000

Number of cycles run: 5070

Number of cycles run: 5818

Number of cycles run: 1432

Number of cycles run: 32299

Number of cycles run: 31694

Number of cycles run: 3798

Number of cycles run: 1558

Number of cycles run: 644

Number of cycles run: 1020

Number of cycles run: 14958

Number of cycles run: 15446

Number of cycles run: 4720

Number of cycles run: 4200

Number of cycles run: 10428

Number of cycles run: 1120

Number of cycles run: 2912

Number of cycles run: 2028

Number of cycles run: 709

Number of cycles run: 3811

Number of cycles run: 2471