2238.4

For Your Information :-

1. The command to change your password is "passwd" - use it regularly.

2. Your use of this computer system is subject to the University's

policy on Use of Computer Systems, to which all account owners have

already agreed. See http://campus.leeds.ac.uk/isms for details.

3. Please report any problems via

https://intranet.engineering.leeds.ac.uk/it/help/

You will be issued with a request ticket via email.

There may be people using this system remotely - please do

not power it off without authorisation from Faculty IT staff.

[ml16m6y@comp-pc6065 ml16m6y]$ module add anaconda3/4.4.0

[ml16m6y@comp-pc6065 ml16m6y]$ cd Downloads

[ml16m6y@comp-pc6065 Downloads]$ python schooling\_repul\_0.py idle

Testing average cycles for repulsion strength 0

Number of cycles run: 1125

Number of cycles run: 2280

Number of cycles run: 1796

Number of cycles run: 922

Number of cycles run: 2781

Number of cycles run: 564

Number of cycles run: 1061

Number of cycles run: 592

Number of cycles run: 8331

Number of cycles run: 586

Number of cycles run: 1707

Number of cycles run: 944

Number of cycles run: 1452

Number of cycles run: 3279

Number of cycles run: 1999

Number of cycles run: 572

Number of cycles run: 6077

Number of cycles run: 2901

Number of cycles run: 2294

Number of cycles run: 1623

Number of cycles run: 576

Number of cycles run: 2379

Number of cycles run: 1186

Number of cycles run: 1072

Number of cycles run: 890

Number of cycles run: 626

Number of cycles run: 995

Number of cycles run: 2140

Number of cycles run: 1160

Number of cycles run: 1756

Number of cycles run: 2283

Number of cycles run: 1424

Number of cycles run: 1271

Number of cycles run: 3673

Number of cycles run: 546

Number of cycles run: 900

Number of cycles run: 562

Number of cycles run: 2092

Number of cycles run: 1831

Number of cycles run: 1768

Number of cycles run: 1025

Number of cycles run: 1844

Number of cycles run: 618

Number of cycles run: 2673

Number of cycles run: 1601

Number of cycles run: 1192

Number of cycles run: 632

Number of cycles run: 755

Number of cycles run: 1635

Number of cycles run: 2648

Av cycles for repulsion strength 0 is 1732

standard diviation is 1391.61220979

Testing average cycles for repulsion strength 0

Number of cycles run: 1359

Number of cycles run: 1181

Number of cycles run: 1505

Number of cycles run: 5819

Number of cycles run: 1128

Number of cycles run: 913

Number of cycles run: 1057

Number of cycles run: 1228

Number of cycles run: 1360

Number of cycles run: 940

Number of cycles run: 1064

Number of cycles run: 4880

Number of cycles run: 577

Number of cycles run: 1481

Number of cycles run: 4254

Number of cycles run: 943

Number of cycles run: 6556

Number of cycles run: 1683

Number of cycles run: 1776

Number of cycles run: 582

Number of cycles run: 1072

Number of cycles run: 2950

Number of cycles run: 556

Number of cycles run: 5455

Number of cycles run: 1454

Number of cycles run: 607

Number of cycles run: 1958

Number of cycles run: 1574

Number of cycles run: 1492

Number of cycles run: 1522

Number of cycles run: 593

Number of cycles run: 2291

Number of cycles run: 566

Number of cycles run: 568

Number of cycles run: 978

Number of cycles run: 4448

Number of cycles run: 11532

Number of cycles run: 802

Number of cycles run: 1112

Number of cycles run: 3705

Number of cycles run: 1208

Number of cycles run: 3071

Number of cycles run: 547

Number of cycles run: 672

Number of cycles run: 2267

Number of cycles run: 2772

Number of cycles run: 1237

Number of cycles run: 1117

Number of cycles run: 1620

Number of cycles run: 1663

Av cycles for repulsion strength 0 is 2033

standard diviation is 2006.23579148

Testing average cycles for repulsion strength 0

Number of cycles run: 1978

Number of cycles run: 670

Number of cycles run: 1219

Number of cycles run: 2069

Number of cycles run: 1915

Number of cycles run: 10612

Number of cycles run: 1012

Number of cycles run: 2592

Number of cycles run: 967

Number of cycles run: 2101

Number of cycles run: 5641

Number of cycles run: 2547

Number of cycles run: 1056

Number of cycles run: 956

Number of cycles run: 1779

Number of cycles run: 11991

Number of cycles run: 551

Number of cycles run: 546

Number of cycles run: 1664

Number of cycles run: 14158

Number of cycles run: 1245

Number of cycles run: 1083

Number of cycles run: 563

Number of cycles run: 1204

Number of cycles run: 2162

Number of cycles run: 1059

Number of cycles run: 731

Number of cycles run: 1188

Number of cycles run: 747

Number of cycles run: 1113

Number of cycles run: 2880

Number of cycles run: 682

Number of cycles run: 806

Number of cycles run: 925

Number of cycles run: 2600

Number of cycles run: 1879

Number of cycles run: 2143

Number of cycles run: 5889

Number of cycles run: 1032

Number of cycles run: 1490

Number of cycles run: 811

Number of cycles run: 1196

Number of cycles run: 1947

Number of cycles run: 2078

Number of cycles run: 3279

Number of cycles run: 834

Number of cycles run: 945

Number of cycles run: 598

Number of cycles run: 1451

Number of cycles run: 2731

Av cycles for repulsion strength 0 is 2266

standard diviation is 2797.23440132

Testing average cycles for repulsion strength 0

Number of cycles run: 2375

Number of cycles run: 2811

Number of cycles run: 544

Number of cycles run: 1406

Number of cycles run: 1227

Number of cycles run: 607

Number of cycles run: 1261

Number of cycles run: 716

Number of cycles run: 1801

Number of cycles run: 555

Number of cycles run: 1278

Number of cycles run: 772

Number of cycles run: 2789

Number of cycles run: 1494

Number of cycles run: 1256

Number of cycles run: 3010

Number of cycles run: 979

Number of cycles run: 2119

Number of cycles run: 926

Number of cycles run: 720

Number of cycles run: 2384

Number of cycles run: 556

Number of cycles run: 748

Number of cycles run: 6057

Number of cycles run: 925

Number of cycles run: 1504

Number of cycles run: 2227

Number of cycles run: 4669

Number of cycles run: 1723

Number of cycles run: 581

Number of cycles run: 542

Number of cycles run: 1156

Number of cycles run: 2234

Number of cycles run: 571

Number of cycles run: 1765

Number of cycles run: 543

Number of cycles run: 554

Number of cycles run: 3429

Number of cycles run: 2210

Number of cycles run: 1031

Number of cycles run: 2170

Number of cycles run: 591

Number of cycles run: 923

Number of cycles run: 1091

Number of cycles run: 555

Number of cycles run: 757

Number of cycles run: 1118

Number of cycles run: 1001

Number of cycles run: 921

Number of cycles run: 1062

Av cycles for repulsion strength 0 is 1484

standard diviation is 1104.74706016

Testing average cycles for repulsion strength 0

Number of cycles run: 2870

Number of cycles run: 576

Number of cycles run: 9083

Number of cycles run: 676

Number of cycles run: 1241

Number of cycles run: 1019

Number of cycles run: 1895

Number of cycles run: 5281

Number of cycles run: 858

Number of cycles run: 1102

Number of cycles run: 2237

Number of cycles run: 840

Number of cycles run: 917

Number of cycles run: 1334

Number of cycles run: 1931

Number of cycles run: 542

Number of cycles run: 2566

Number of cycles run: 555

Number of cycles run: 603

Number of cycles run: 1857

Number of cycles run: 1055

Number of cycles run: 2004

Number of cycles run: 1748

Number of cycles run: 1021

Number of cycles run: 1138

Number of cycles run: 938

Number of cycles run: 594

Number of cycles run: 3514

Number of cycles run: 998

Number of cycles run: 1272

Number of cycles run: 1813

Number of cycles run: 1161

Number of cycles run: 594

Number of cycles run: 554

Number of cycles run: 1783

Number of cycles run: 1207

Number of cycles run: 1527

Number of cycles run: 530

Number of cycles run: 535

Number of cycles run: 893

Number of cycles run: 2054

Number of cycles run: 994

Number of cycles run: 677

Number of cycles run: 3731

Number of cycles run: 3446

Number of cycles run: 1349

Number of cycles run: 569

Number of cycles run: 4130

Number of cycles run: 1251

Number of cycles run: 4396

Av cycles for repulsion strength 0 is 1709

standard diviation is 1541.41808139

Testing average cycles for repulsion strength 0

Number of cycles run: 984

Number of cycles run: 1484

Number of cycles run: 1212

Number of cycles run: 1076

Number of cycles run: 1919

Number of cycles run: 573

Number of cycles run: 1648

Number of cycles run: 588

Number of cycles run: 1013

Number of cycles run: 1607

Number of cycles run: 1053

Number of cycles run: 1685

Number of cycles run: 1316

Number of cycles run: 560

Number of cycles run: 2213

Number of cycles run: 27979

Number of cycles run: 1372

Number of cycles run: 1037

Number of cycles run: 537

Number of cycles run: 7570

Number of cycles run: 1272

Number of cycles run: 2834

Number of cycles run: 1082

Number of cycles run: 2084

Number of cycles run: 3561

Number of cycles run: 1019

Number of cycles run: 3001

Number of cycles run: 529

Number of cycles run: 922

Number of cycles run: 572

Number of cycles run: 1400

Number of cycles run: 852

Number of cycles run: 639

Number of cycles run: 3285

Number of cycles run: 2189

Number of cycles run: 900

Number of cycles run: 2018

Number of cycles run: 2716

Number of cycles run: 1710

Number of cycles run: 1582

Number of cycles run: 605

Number of cycles run: 2330

Number of cycles run: 2846

Number of cycles run: 2219

Number of cycles run: 1591

Number of cycles run: 569

Number of cycles run: 1981

Number of cycles run: 1218

Number of cycles run: 879

Number of cycles run: 2698

Av cycles for repulsion strength 0 is 2170

standard diviation is 3901.89826691

Testing average cycles for repulsion strength 0

Number of cycles run: 1009

Number of cycles run: 1900

Number of cycles run: 1442

Number of cycles run: 4625

Number of cycles run: 1253

Number of cycles run: 559

Number of cycles run: 1033

Number of cycles run: 970

Number of cycles run: 2552

Number of cycles run: 559

Number of cycles run: 993

Number of cycles run: 21160

Number of cycles run: 596

Number of cycles run: 1971

Number of cycles run: 752

Number of cycles run: 5300

Number of cycles run: 2867

Number of cycles run: 1918

Number of cycles run: 548

Number of cycles run: 3053

Number of cycles run: 2482

Number of cycles run: 1591

Number of cycles run: 2378

Number of cycles run: 2969

Number of cycles run: 540

Number of cycles run: 1845

Number of cycles run: 5294

Number of cycles run: 2383

Number of cycles run: 1276

Number of cycles run: 538

Number of cycles run: 2958

Number of cycles run: 566

Number of cycles run: 3418

Number of cycles run: 714

Number of cycles run: 851

Number of cycles run: 983

Number of cycles run: 564

Number of cycles run: 1988

Number of cycles run: 2757

Number of cycles run: 5794

Number of cycles run: 1865

Number of cycles run: 1221

Number of cycles run: 1432

Number of cycles run: 32650

Number of cycles run: 725

Number of cycles run: 521

Number of cycles run: 845

Number of cycles run: 1565

Number of cycles run: 2480

Number of cycles run: 1038

Av cycles for repulsion strength 0 is 2825

standard diviation is 5264.05322491

Testing average cycles for repulsion strength 0

Number of cycles run: 565

Number of cycles run: 964

Number of cycles run: 7721

Number of cycles run: 1679

Number of cycles run: 614

Number of cycles run: 968

Number of cycles run: 2033

Number of cycles run: 1203

Number of cycles run: 2630

Number of cycles run: 509

Number of cycles run: 1035

Number of cycles run: 574

Number of cycles run: 1343

Number of cycles run: 3598

Number of cycles run: 1284

Number of cycles run: 50000

Number of cycles run: 1224

Number of cycles run: 6351

Number of cycles run: 1274

Number of cycles run: 1461

Number of cycles run: 1089

Number of cycles run: 936

Number of cycles run: 1682

Number of cycles run: 1089

Number of cycles run: 11265

Number of cycles run: 2007

Number of cycles run: 1221

Number of cycles run: 2099

Number of cycles run: 533

Number of cycles run: 3083

Number of cycles run: 1059

Number of cycles run: 1092

Number of cycles run: 530

Number of cycles run: 564

Number of cycles run: 3166

Number of cycles run: 567

Number of cycles run: 1994

Number of cycles run: 3833

Number of cycles run: 3848

Number of cycles run: 714

Number of cycles run: 2051

Number of cycles run: 2302

Number of cycles run: 14073

Number of cycles run: 795

Number of cycles run: 1793

Number of cycles run: 1011

Number of cycles run: 848

Number of cycles run: 837

Number of cycles run: 3887

Number of cycles run: 2708

Av cycles for repulsion strength 0 is 3194

standard diviation is 7238.27801046

Testing average cycles for repulsion strength 0

Number of cycles run: 642

Number of cycles run: 845

Number of cycles run: 1717

Number of cycles run: 1091

Number of cycles run: 2809

Number of cycles run: 2076

Number of cycles run: 25733

Number of cycles run: 4265

Number of cycles run: 1124

Number of cycles run: 548

Number of cycles run: 2012

Number of cycles run: 2681

Number of cycles run: 2150

Number of cycles run: 12892

Number of cycles run: 539

Number of cycles run: 613

Number of cycles run: 3357

Number of cycles run: 2241

Number of cycles run: 3931

Number of cycles run: 534

Number of cycles run: 6024

Number of cycles run: 3792

Number of cycles run: 5447

Number of cycles run: 778

Number of cycles run: 2124

Number of cycles run: 2286

Number of cycles run: 10196

Number of cycles run: 2832

Number of cycles run: 600

Number of cycles run: 652

Number of cycles run: 523

Number of cycles run: 2458

Number of cycles run: 560

Number of cycles run: 4820

Number of cycles run: 793

Number of cycles run: 4065

Number of cycles run: 598

Number of cycles run: 4323

Number of cycles run: 2818

Number of cycles run: 1727

Number of cycles run: 1236

Number of cycles run: 604

Number of cycles run: 1500

Number of cycles run: 2945

Number of cycles run: 890

Number of cycles run: 1226

Number of cycles run: 3488

Number of cycles run: 1561

Number of cycles run: 2143

Number of cycles run: 553

Av cycles for repulsion strength 0 is 2907

standard diviation is 4057.24656085

Testing average cycles for repulsion strength 0

Number of cycles run: 1255

Number of cycles run: 2096

Number of cycles run: 1348

Number of cycles run: 4534

Number of cycles run: 1377

Number of cycles run: 3378

Number of cycles run: 1322

Number of cycles run: 511

Number of cycles run: 9809

Number of cycles run: 4970

Number of cycles run: 3972

Number of cycles run: 1125

Number of cycles run: 1552

Number of cycles run: 628

Number of cycles run: 3664

Number of cycles run: 1246

Number of cycles run: 1744

Number of cycles run: 675

Number of cycles run: 4489

Number of cycles run: 1087

Number of cycles run: 4203

Number of cycles run: 1552

Number of cycles run: 856

Number of cycles run: 2194

Number of cycles run: 3287

Number of cycles run: 605

Number of cycles run: 558

Number of cycles run: 792

Number of cycles run: 2785

Number of cycles run: 746

Number of cycles run: 579

Number of cycles run: 560

Number of cycles run: 1580

Number of cycles run: 528

Number of cycles run: 3055

Number of cycles run: 775

Number of cycles run: 1918

Number of cycles run: 570

Number of cycles run: 2560

Number of cycles run: 2069

Number of cycles run: 4353

Number of cycles run: 573

Number of cycles run: 2564

Number of cycles run: 1209

Number of cycles run: 3591

Number of cycles run: 1433

Number of cycles run: 1048

Number of cycles run: 1888

Number of cycles run: 1334

Number of cycles run: 2678

Av cycles for repulsion strength 0 is 2064

standard diviation is 1697.73996531

[ml16m6y@comp-pc6065 Downloads]$