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-pc6067 ml16m6y]$ cd Downloads

[ml16m6y@comp-pc6067 Downloads]$ module add anaconda3/4.4.0

[ml16m6y@comp-pc6067 Downloads]$ python schooling\_L3\_2.5.py idle

Testing average cycles for leadership strength 2.5

the leader1 dead using 776

the leader1 dead using 776

the leader1 dead using 776

Number of cycles run: 10307

the leader1 dead using 6444

Number of cycles run: 20483

the leader1 dead using 441

the leader1 dead using 441

Number of cycles run: 5821

the leader1 dead using 1465

the leader1 dead using 1465

Number of cycles run: 5513

Number of cycles run: 50000

the leader1 dead using 467

Number of cycles run: 13863

the leader1 dead using 369

the leader1 dead using 369

Number of cycles run: 27419

the leader1 dead using 423

Number of cycles run: 50000

the leader1 dead using 1597

the leader1 dead using 1597

Number of cycles run: 5569

Number of cycles run: 9775

the leader1 dead using 417

the leader1 dead using 417

the leader1 dead using 417

Number of cycles run: 21494

the leader1 dead using 802

Number of cycles run: 50000

the leader1 dead using 4596

Number of cycles run: 6448

the leader1 dead using 479

the leader1 dead using 479

Number of cycles run: 7271

the leader1 dead using 3125

the leader1 dead using 3125

the leader1 dead using 3125

Number of cycles run: 4168

Number of cycles run: 9826

the leader1 dead using 2954

the leader1 dead using 2954

Number of cycles run: 5545

Number of cycles run: 50000

the leader1 dead using 5670

the leader1 dead using 5670

the leader1 dead using 5670

Number of cycles run: 11379

the leader1 dead using 227

the leader1 dead using 227

the leader1 dead using 227

Number of cycles run: 4737

the leader1 dead using 204

the leader1 dead using 204

Number of cycles run: 36792

Number of cycles run: 50000

the leader1 dead using 481

Number of cycles run: 4847

the leader1 dead using 3072

the leader1 dead using 3072

Number of cycles run: 6100

the leader1 dead using 541

Number of cycles run: 50000

Number of cycles run: 4991

the leader1 dead using 4797

Number of cycles run: 5433

the leader1 dead using 1400

Number of cycles run: 4767

the leader1 dead using 3973

the leader1 dead using 3973

Number of cycles run: 7837

the leader1 dead using 402

the leader1 dead using 402

the leader1 dead using 402

Number of cycles run: 50000

Number of cycles run: 22982

the leader1 dead using 954

Number of cycles run: 4366

the leader1 dead using 7709

Number of cycles run: 7709

the leader1 dead using 4739

Number of cycles run: 5925

the leader1 dead using 1823

the leader1 dead using 1823

Number of cycles run: 5125

the leader1 dead using 229

the leader1 dead using 229

the leader1 dead using 229

Number of cycles run: 36606

the leader1 dead using 446

the leader1 dead using 446

Number of cycles run: 50000

the leader1 dead using 377

the leader1 dead using 377

the leader1 dead using 377

Number of cycles run: 12199

the leader1 dead using 663

Number of cycles run: 8005

Number of cycles run: 6211

the leader1 dead using 1695

the leader1 dead using 1695

Number of cycles run: 4159

Number of cycles run: 5729

the leader1 dead using 5804

Number of cycles run: 6388

Number of cycles run: 8461

the leader1 dead using 4802

the leader1 dead using 4802

the leader1 dead using 4802

the leader1 dead using 4802

the leader1 dead using 4802

Number of cycles run: 9668

the leader1 dead using 2260

Number of cycles run: 12191

Number of cycles run: 50000

the leader1 dead using 394

the leader1 dead using 394

the leader1 dead using 394

Number of cycles run: 6749

the leader1 dead using 2265

the leader1 dead using 2265

the leader1 dead using 2265

the leader1 dead using 2265

Number of cycles run: 6878

the leader1 dead using 352

Number of cycles run: 50000

Av cycles for leadership strength 2.5 is 18194

standard diviation is 17653.7787237

Testing average cycles for leadership strength 2.5

the leader1 dead using 399

the leader1 dead using 399

Number of cycles run: 32742

the leader1 dead using 569

Number of cycles run: 4935

the leader1 dead using 358

Number of cycles run: 25937

the leader1 dead using 482

the leader1 dead using 482

the leader1 dead using 482

Number of cycles run: 3998

the leader1 dead using 1028

Number of cycles run: 6547

the leader1 dead using 298

Number of cycles run: 5498

the leader1 dead using 408

the leader1 dead using 408

the leader1 dead using 408

Number of cycles run: 3871

the leader1 dead using 2218

the leader1 dead using 2218

the leader1 dead using 2218

Number of cycles run: 4486

the leader1 dead using 594

the leader1 dead using 594

Number of cycles run: 8410

the leader1 dead using 332

Number of cycles run: 9789

the leader1 dead using 517

Number of cycles run: 4702

Number of cycles run: 50000

the leader1 dead using 487

the leader1 dead using 487

the leader1 dead using 487

Number of cycles run: 8607

the leader1 dead using 416

the leader1 dead using 416

Number of cycles run: 50000

the leader1 dead using 854

the leader1 dead using 854

Number of cycles run: 4279

the leader1 dead using 8028

Number of cycles run: 8772

the leader1 dead using 410

Number of cycles run: 7012

the leader1 dead using 1741

the leader1 dead using 1741

the leader1 dead using 1741

the leader1 dead using 1741

Number of cycles run: 7212

the leader1 dead using 3492

Number of cycles run: 4027

Number of cycles run: 50000

the leader1 dead using 5223

Number of cycles run: 6470

the leader1 dead using 1062

Number of cycles run: 6602

the leader1 dead using 1004

Number of cycles run: 3960

the leader1 dead using 1620

the leader1 dead using 1620

the leader1 dead using 1620

the leader1 dead using 1620

Number of cycles run: 5379

the leader1 dead using 274

the leader1 dead using 274

Number of cycles run: 47204

the leader1 dead using 670

Number of cycles run: 3924

the leader1 dead using 1050

Number of cycles run: 6639

Number of cycles run: 28837

the leader1 dead using 385

Number of cycles run: 50000

the leader1 dead using 301

Number of cycles run: 6028

the leader1 dead using 456

Number of cycles run: 5447

Number of cycles run: 50000

the leader1 dead using 17219

Number of cycles run: 18026

Number of cycles run: 50000

the leader1 dead using 420

Number of cycles run: 50000

the leader1 dead using 465

the leader1 dead using 465

Number of cycles run: 8123

the leader1 dead using 3046

the leader1 dead using 3046

Number of cycles run: 9237

the leader1 dead using 2025

Number of cycles run: 4858

the leader1 dead using 1160

the leader1 dead using 1160

Number of cycles run: 4182

the leader1 dead using 406

the leader1 dead using 406

the leader1 dead using 406

Number of cycles run: 10677

the leader1 dead using 1904

the leader1 dead using 1904

the leader1 dead using 1904

Number of cycles run: 5238

the leader1 dead using 2148

Number of cycles run: 5568

the leader1 dead using 483

the leader1 dead using 483

the leader1 dead using 483

Number of cycles run: 26873

the leader1 dead using 1569

the leader1 dead using 1569

the leader1 dead using 1569

Number of cycles run: 5390

Number of cycles run: 50000

Number of cycles run: 28575

the leader1 dead using 754

Number of cycles run: 7727

the leader1 dead using 3337

Number of cycles run: 6260

the leader1 dead using 436

Number of cycles run: 5019

the leader1 dead using 437

the leader1 dead using 437

Number of cycles run: 5775

Av cycles for leadership strength 2.5 is 16456

standard diviation is 17236.412239

Testing average cycles for leadership strength 2.5

the leader1 dead using 377

Number of cycles run: 5747

the leader1 dead using 3029

the leader1 dead using 3029

Number of cycles run: 6617

the leader1 dead using 437

the leader1 dead using 437

Number of cycles run: 12539

Number of cycles run: 50000

the leader1 dead using 329

Number of cycles run: 50000

the leader1 dead using 453

the leader1 dead using 453

the leader1 dead using 453

Number of cycles run: 6754

the leader1 dead using 286

Number of cycles run: 50000

the leader1 dead using 352

the leader1 dead using 352

the leader1 dead using 352

Number of cycles run: 16321

the leader1 dead using 751

the leader1 dead using 751

the leader1 dead using 751

Number of cycles run: 6144

the leader1 dead using 1498

the leader1 dead using 1498

Number of cycles run: 5191

the leader1 dead using 5376

the leader1 dead using 5376

the leader1 dead using 5376

Number of cycles run: 7156

the leader1 dead using 233

Number of cycles run: 5156

the leader1 dead using 469

the leader1 dead using 469

the leader1 dead using 469

the leader1 dead using 469

Number of cycles run: 7631

the leader1 dead using 1209

the leader1 dead using 1209

Number of cycles run: 4053

the leader1 dead using 684

the leader1 dead using 684

Number of cycles run: 6245

the leader1 dead using 435

Number of cycles run: 50000

the leader1 dead using 9848

the leader1 dead using 9848

Number of cycles run: 10339

the leader1 dead using 433

Number of cycles run: 50000

Number of cycles run: 50000

the leader1 dead using 552

Number of cycles run: 8490

the leader1 dead using 599

Number of cycles run: 4745

the leader1 dead using 1669

Number of cycles run: 9042

the leader1 dead using 378

the leader1 dead using 378

Number of cycles run: 34815

the leader1 dead using 381

the leader1 dead using 381

Number of cycles run: 5545

the leader1 dead using 4835

the leader1 dead using 4835

Number of cycles run: 8452

Number of cycles run: 10747

the leader1 dead using 4010

the leader1 dead using 4010

the leader1 dead using 4010

Number of cycles run: 8208

the leader1 dead using 405

Number of cycles run: 4065

the leader1 dead using 366

the leader1 dead using 366

Number of cycles run: 29450

the leader1 dead using 459

Number of cycles run: 4820

the leader1 dead using 1682

the leader1 dead using 1682

Number of cycles run: 6450

the leader1 dead using 1932

the leader1 dead using 1932

the leader1 dead using 1932

Number of cycles run: 4459

the leader1 dead using 372

Number of cycles run: 8726

the leader1 dead using 332

Number of cycles run: 50000

the leader1 dead using 2701

the leader1 dead using 2701

the leader1 dead using 2701

Number of cycles run: 4540

Number of cycles run: 7840

Number of cycles run: 50000

the leader1 dead using 1750

the leader1 dead using 1750

the leader1 dead using 1750

Number of cycles run: 17796

the leader1 dead using 349

the leader1 dead using 349

Number of cycles run: 8583

the leader1 dead using 946

Number of cycles run: 8756

the leader1 dead using 2901

the leader1 dead using 2901

the leader1 dead using 2901

Number of cycles run: 50000

the leader1 dead using 2314

the leader1 dead using 2314

the leader1 dead using 2314

Number of cycles run: 4811

the leader1 dead using 3736

the leader1 dead using 3736

the leader1 dead using 3736

Number of cycles run: 6260

the leader1 dead using 1820

the leader1 dead using 1820

Number of cycles run: 4299

the leader1 dead using 968

the leader1 dead using 968

Number of cycles run: 5302

the leader1 dead using 2116

the leader1 dead using 2116

the leader1 dead using 2116

Number of cycles run: 5012

the leader1 dead using 24933

the leader1 dead using 24933

Number of cycles run: 27020

the leader1 dead using 10330

Number of cycles run: 11051

the leader1 dead using 3000

the leader1 dead using 3000

Number of cycles run: 4532

the leader1 dead using 15424

Number of cycles run: 15566

Av cycles for leadership strength 2.5 is 16585

standard diviation is 17006.3072684

Testing average cycles for leadership strength 2.5

Number of cycles run: 50000

the leader1 dead using 1769

the leader1 dead using 1769

Number of cycles run: 4087

the leader1 dead using 390

the leader1 dead using 390

the leader1 dead using 390

the leader1 dead using 390

Number of cycles run: 9288

the leader1 dead using 364

Number of cycles run: 11253

the leader1 dead using 239

the leader1 dead using 239

the leader1 dead using 239

the leader1 dead using 239

the leader1 dead using 239

Number of cycles run: 5634

the leader1 dead using 483

the leader1 dead using 483

Number of cycles run: 9413

the leader1 dead using 909

the leader1 dead using 909

the leader1 dead using 909

Number of cycles run: 5824

the leader1 dead using 710

Number of cycles run: 50000

the leader1 dead using 11200

the leader1 dead using 11200

Number of cycles run: 28344

the leader1 dead using 5935

Number of cycles run: 6856

the leader1 dead using 460

the leader1 dead using 460

Number of cycles run: 50000

the leader1 dead using 1563

the leader1 dead using 1563

the leader1 dead using 1563

the leader1 dead using 1563

Number of cycles run: 3923

Number of cycles run: 50000

Number of cycles run: 50000

the leader1 dead using 9872

the leader1 dead using 9872

Number of cycles run: 14175

the leader1 dead using 3237

the leader1 dead using 3237

Number of cycles run: 5948

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 24003

the leader1 dead using 3402

the leader1 dead using 3402

Number of cycles run: 6000

Number of cycles run: 50000

the leader1 dead using 4353

the leader1 dead using 4353

the leader1 dead using 4353

Number of cycles run: 7927

the leader1 dead using 1473

the leader1 dead using 1473

the leader1 dead using 1473

Number of cycles run: 12472

the leader1 dead using 5835

Number of cycles run: 6250

Number of cycles run: 17602

the leader1 dead using 425

the leader1 dead using 425

Number of cycles run: 7137

the leader1 dead using 414

the leader1 dead using 414

the leader1 dead using 414

Number of cycles run: 5984

the leader1 dead using 810

Number of cycles run: 28131

the leader1 dead using 5453

the leader1 dead using 5453

the leader1 dead using 5453

the leader1 dead using 5453

Number of cycles run: 15988

Number of cycles run: 50000

the leader1 dead using 2269

the leader1 dead using 2269

Number of cycles run: 5860

the leader1 dead using 2029

the leader1 dead using 2029

the leader1 dead using 2029

Number of cycles run: 3497

the leader1 dead using 439

the leader1 dead using 439

the leader1 dead using 439

the leader1 dead using 439

Number of cycles run: 8438

the leader1 dead using 4084

Number of cycles run: 5386

the leader1 dead using 393

the leader1 dead using 393

the leader1 dead using 393

Number of cycles run: 7953

the leader1 dead using 1282

Number of cycles run: 4978

Number of cycles run: 5653

the leader1 dead using 341

the leader1 dead using 341

Number of cycles run: 10444

the leader1 dead using 1447

the leader1 dead using 1447

the leader1 dead using 1447

the leader1 dead using 1447

the leader1 dead using 1447

the leader1 dead using 1447

Number of cycles run: 7721

the leader1 dead using 3648

Number of cycles run: 5224

the leader1 dead using 214

Number of cycles run: 10302

the leader1 dead using 282

Number of cycles run: 50000

Number of cycles run: 50000

the leader1 dead using 385

the leader1 dead using 385

Number of cycles run: 6405

the leader1 dead using 2349

Number of cycles run: 3905

the leader1 dead using 702

the leader1 dead using 702

the leader1 dead using 702

the leader1 dead using 702

Number of cycles run: 5985

the leader1 dead using 403

the leader1 dead using 403

the leader1 dead using 403

the leader1 dead using 403

Number of cycles run: 42964

the leader1 dead using 2723

the leader1 dead using 2723

Number of cycles run: 5225

Number of cycles run: 8302

Number of cycles run: 40045

Av cycles for leadership strength 2.5 is 19490

standard diviation is 18356.8785687

Testing average cycles for leadership strength 2.5

the leader1 dead using 731

the leader1 dead using 731

Number of cycles run: 8415

the leader1 dead using 3557

the leader1 dead using 3557

the leader1 dead using 3557

Number of cycles run: 5511

the leader1 dead using 301

the leader1 dead using 301

Number of cycles run: 8553

Number of cycles run: 50000

the leader1 dead using 231

the leader1 dead using 231

the leader1 dead using 231

Number of cycles run: 41147

Number of cycles run: 50000

the leader1 dead using 533

the leader1 dead using 533

Number of cycles run: 36108

the leader1 dead using 455

Number of cycles run: 50000

the leader1 dead using 217

Number of cycles run: 50000

the leader1 dead using 433

the leader1 dead using 433

the leader1 dead using 433

Number of cycles run: 4844

the leader1 dead using 1419

Number of cycles run: 5274

the leader1 dead using 577

Number of cycles run: 6454

Number of cycles run: 46857

the leader1 dead using 519

Number of cycles run: 50000

the leader1 dead using 1615

the leader1 dead using 1615

the leader1 dead using 1615

Number of cycles run: 9104

the leader1 dead using 1366

Number of cycles run: 10660

the leader1 dead using 401

the leader1 dead using 401

Number of cycles run: 50000

the leader1 dead using 21207

Number of cycles run: 21814

the leader1 dead using 279

Number of cycles run: 50000

the leader1 dead using 1034

Number of cycles run: 4293

the leader1 dead using 1115

the leader1 dead using 1115

Number of cycles run: 14777

the leader1 dead using 297

the leader1 dead using 297

Number of cycles run: 50000

Number of cycles run: 5896

Number of cycles run: 50000

the leader1 dead using 10856

the leader1 dead using 10856

Number of cycles run: 12616

the leader1 dead using 29608

Number of cycles run: 30119

the leader1 dead using 37672

Number of cycles run: 50000

Number of cycles run: 50000

the leader1 dead using 266

the leader1 dead using 266

Number of cycles run: 4263

the leader1 dead using 32159

Number of cycles run: 32159

the leader1 dead using 6685

Number of cycles run: 6873

the leader1 dead using 542

the leader1 dead using 542

the leader1 dead using 542

the leader1 dead using 542

Number of cycles run: 6408

the leader1 dead using 365

Number of cycles run: 6236

the leader1 dead using 448

the leader1 dead using 448

Number of cycles run: 27318

the leader1 dead using 587

the leader1 dead using 587

Number of cycles run: 6704

the leader1 dead using 284

Number of cycles run: 4883

Number of cycles run: 12238

the leader1 dead using 403

Number of cycles run: 50000

Number of cycles run: 50000

the leader1 dead using 504

Number of cycles run: 9148

the leader1 dead using 428

the leader1 dead using 428

Number of cycles run: 50000

the leader1 dead using 473

Number of cycles run: 6619

the leader1 dead using 290

Number of cycles run: 6344

the leader1 dead using 1188

the leader1 dead using 1188

the leader1 dead using 1188

the leader1 dead using 1188

Number of cycles run: 5269

the leader1 dead using 429

the leader1 dead using 429

Number of cycles run: 5982

the leader1 dead using 820

the leader1 dead using 820

the leader1 dead using 820

Number of cycles run: 33901

the leader1 dead using 14439

Number of cycles run: 16867

the leader1 dead using 567

the leader1 dead using 567

Number of cycles run: 5277

the leader1 dead using 761

Number of cycles run: 4942

the leader1 dead using 2406

the leader1 dead using 2406

the leader1 dead using 2406

Number of cycles run: 50000

Av cycles for leadership strength 2.5 is 24477

standard diviation is 19626.2914596

Testing average cycles for leadership strength 2.5

the leader1 dead using 672

the leader1 dead using 672

the leader1 dead using 672

Number of cycles run: 3708

the leader1 dead using 5302

Number of cycles run: 5518

the leader1 dead using 295

Number of cycles run: 6745

the leader1 dead using 1785

the leader1 dead using 1785

Number of cycles run: 29763

the leader1 dead using 446

Number of cycles run: 4396

the leader1 dead using 409

the leader1 dead using 409

Number of cycles run: 50000

the leader1 dead using 336

the leader1 dead using 336

the leader1 dead using 336

Number of cycles run: 50000

the leader1 dead using 410

Number of cycles run: 18120

the leader1 dead using 269

the leader1 dead using 269

Number of cycles run: 6505

the leader1 dead using 7069

the leader1 dead using 7069

Number of cycles run: 8972

the leader1 dead using 2530

Number of cycles run: 5794

the leader1 dead using 2529

the leader1 dead using 2529

the leader1 dead using 2529

the leader1 dead using 2529

Number of cycles run: 6027

the leader1 dead using 405

Number of cycles run: 5220

the leader1 dead using 961

the leader1 dead using 961

the leader1 dead using 961

Number of cycles run: 12790

the leader1 dead using 472

Number of cycles run: 4958

Number of cycles run: 16886

Number of cycles run: 50000

the leader1 dead using 1974

Number of cycles run: 5038

Number of cycles run: 28870

Number of cycles run: 10838

the leader1 dead using 331

the leader1 dead using 331

the leader1 dead using 331

Number of cycles run: 50000

Number of cycles run: 21458

the leader1 dead using 4115

the leader1 dead using 4115

the leader1 dead using 4115

Number of cycles run: 9136

the leader1 dead using 4275

Number of cycles run: 5299

the leader1 dead using 294

the leader1 dead using 294

Number of cycles run: 9627

the leader1 dead using 5899

Number of cycles run: 6100

the leader1 dead using 5006

the leader1 dead using 5006

the leader1 dead using 5006

the leader1 dead using 5006

Number of cycles run: 6005

the leader1 dead using 385

Number of cycles run: 6362

the leader1 dead using 297

the leader1 dead using 297

Number of cycles run: 7842

the leader1 dead using 3834

the leader1 dead using 3834

the leader1 dead using 3834

Number of cycles run: 5338

the leader1 dead using 1796

the leader1 dead using 1796

the leader1 dead using 1796

the leader1 dead using 1796

Number of cycles run: 6525

the leader1 dead using 2047

the leader1 dead using 2047

Number of cycles run: 5499

the leader1 dead using 342

Number of cycles run: 50000

the leader1 dead using 344

the leader1 dead using 344

the leader1 dead using 344

the leader1 dead using 344

the leader1 dead using 344

Number of cycles run: 15235

the leader1 dead using 391

Number of cycles run: 5954

the leader1 dead using 6028

Number of cycles run: 13715

the leader1 dead using 1936

the leader1 dead using 1936

the leader1 dead using 1936

Number of cycles run: 5084

the leader1 dead using 1613

the leader1 dead using 1613

the leader1 dead using 1613

Number of cycles run: 6528

the leader1 dead using 1713

the leader1 dead using 1713

the leader1 dead using 1713

Number of cycles run: 27137

the leader1 dead using 3105

the leader1 dead using 3105

Number of cycles run: 26429

the leader1 dead using 488

the leader1 dead using 488

the leader1 dead using 488

the leader1 dead using 488

Number of cycles run: 5644

Number of cycles run: 50000

Number of cycles run: 7491

the leader1 dead using 1229

Number of cycles run: 4708

the leader1 dead using 323

Number of cycles run: 50000

the leader1 dead using 398

Number of cycles run: 10985

the leader1 dead using 17887

Number of cycles run: 19823

the leader1 dead using 396

Number of cycles run: 6752

the leader1 dead using 579

the leader1 dead using 579

the leader1 dead using 579

Number of cycles run: 24989

the leader1 dead using 1973

the leader1 dead using 1973

the leader1 dead using 1973

Number of cycles run: 5743

Av cycles for leadership strength 2.5 is 16111

standard diviation is 15479.6671478

Testing average cycles for leadership strength 2.5

Number of cycles run: 6857

the leader1 dead using 5370

Number of cycles run: 6348

the leader1 dead using 284

Number of cycles run: 5947

the leader1 dead using 514

the leader1 dead using 514

Number of cycles run: 50000

the leader1 dead using 7112

Number of cycles run: 7223

the leader1 dead using 1217

the leader1 dead using 1217

Number of cycles run: 50000

the leader1 dead using 4991

the leader1 dead using 4991

Number of cycles run: 7447

the leader1 dead using 421

the leader1 dead using 421

the leader1 dead using 421

Number of cycles run: 4830

the leader1 dead using 589

Number of cycles run: 50000

the leader1 dead using 13349

the leader1 dead using 13349

Number of cycles run: 16836

the leader1 dead using 360

Number of cycles run: 50000

the leader1 dead using 4253

the leader1 dead using 4253

Number of cycles run: 6296

the leader1 dead using 604

Number of cycles run: 6661

the leader1 dead using 702

Number of cycles run: 6484

the leader1 dead using 266

the leader1 dead using 266

Number of cycles run: 11300

the leader1 dead using 262

the leader1 dead using 262

the leader1 dead using 262

Number of cycles run: 4446

the leader1 dead using 483

Number of cycles run: 5800

the leader1 dead using 2220

the leader1 dead using 2220

Number of cycles run: 4469

the leader1 dead using 6523

Number of cycles run: 6962

the leader1 dead using 3712

Number of cycles run: 5349

the leader1 dead using 2042

Number of cycles run: 4805

the leader1 dead using 453

the leader1 dead using 453

Number of cycles run: 4873

the leader1 dead using 706

the leader1 dead using 706

the leader1 dead using 706

Number of cycles run: 30055

the leader1 dead using 337

Number of cycles run: 50000

the leader1 dead using 493

Number of cycles run: 50000

the leader1 dead using 709

Number of cycles run: 7516

the leader1 dead using 431

the leader1 dead using 431

the leader1 dead using 431

Number of cycles run: 11123

the leader1 dead using 584

Number of cycles run: 38509

the leader1 dead using 3359

the leader1 dead using 3359

the leader1 dead using 3359

the leader1 dead using 3359

Number of cycles run: 6129

the leader1 dead using 1506

the leader1 dead using 1506

Number of cycles run: 6431

the leader1 dead using 459

the leader1 dead using 459

the leader1 dead using 459

Number of cycles run: 24976

the leader1 dead using 1695

the leader1 dead using 1695

the leader1 dead using 1695

Number of cycles run: 4647

the leader1 dead using 11623

the leader1 dead using 11623

Number of cycles run: 50000

the leader1 dead using 627

the leader1 dead using 627

Number of cycles run: 8058

the leader1 dead using 1547

the leader1 dead using 1547

Number of cycles run: 4759

the leader1 dead using 244

the leader1 dead using 244

Number of cycles run: 50000

the leader1 dead using 184

the leader1 dead using 184

Number of cycles run: 7156

the leader1 dead using 290

the leader1 dead using 290

Number of cycles run: 50000

the leader1 dead using 970

Number of cycles run: 50000

the leader1 dead using 1579

the leader1 dead using 1579

Number of cycles run: 4519

the leader1 dead using 384

Number of cycles run: 3433

the leader1 dead using 1210

the leader1 dead using 1210

Number of cycles run: 50000

the leader1 dead using 1945

the leader1 dead using 1945

Number of cycles run: 4241

the leader1 dead using 11666

the leader1 dead using 11666

the leader1 dead using 11666

Number of cycles run: 17185

the leader1 dead using 167

the leader1 dead using 167

Number of cycles run: 50000

the leader1 dead using 1166

the leader1 dead using 1166

Number of cycles run: 3216

the leader1 dead using 1983

Number of cycles run: 5022

the leader1 dead using 5886

the leader1 dead using 5886

the leader1 dead using 5886

Number of cycles run: 7686

Number of cycles run: 6253

the leader1 dead using 2175

the leader1 dead using 2175

the leader1 dead using 2175

Number of cycles run: 4257

Av cycles for leadership strength 2.5 is 18562

standard diviation is 18999.2082959

Testing average cycles for leadership strength 2.5

the leader1 dead using 816

the leader1 dead using 816

the leader1 dead using 816

the leader1 dead using 816

the leader1 dead using 816

Number of cycles run: 6633

Number of cycles run: 31738

the leader1 dead using 387

the leader1 dead using 387

Number of cycles run: 4751

Number of cycles run: 4946

the leader1 dead using 539

the leader1 dead using 539

Number of cycles run: 3647

the leader1 dead using 362

Number of cycles run: 4818

the leader1 dead using 6651

Number of cycles run: 6651

the leader1 dead using 2048

Number of cycles run: 5443

the leader1 dead using 11052

the leader1 dead using 11052

Number of cycles run: 12216

the leader1 dead using 321

the leader1 dead using 321

Number of cycles run: 5090

Number of cycles run: 50000

Number of cycles run: 7095

the leader1 dead using 338

the leader1 dead using 338

the leader1 dead using 338

Number of cycles run: 4909

Number of cycles run: 8919

the leader1 dead using 1952

the leader1 dead using 1952

Number of cycles run: 12220

the leader1 dead using 2256

Number of cycles run: 6598

the leader1 dead using 2907

Number of cycles run: 5409

the leader1 dead using 520

Number of cycles run: 6542

the leader1 dead using 438

Number of cycles run: 4272

the leader1 dead using 485

the leader1 dead using 485

the leader1 dead using 485

Number of cycles run: 8140

Number of cycles run: 50000

Number of cycles run: 50000

the leader1 dead using 4046

the leader1 dead using 4046

the leader1 dead using 4046

the leader1 dead using 4046

Number of cycles run: 8006

the leader1 dead using 2367

the leader1 dead using 2367

Number of cycles run: 22287

the leader1 dead using 433

the leader1 dead using 433

Number of cycles run: 6002

the leader1 dead using 1537

Number of cycles run: 50000

the leader1 dead using 426

the leader1 dead using 426

Number of cycles run: 42534

the leader1 dead using 2607

Number of cycles run: 5899

the leader1 dead using 391

Number of cycles run: 11402

the leader1 dead using 698

the leader1 dead using 698

the leader1 dead using 698

Number of cycles run: 4966

the leader1 dead using 206

Number of cycles run: 4662

the leader1 dead using 11575

Number of cycles run: 11575

the leader1 dead using 966

the leader1 dead using 966

Number of cycles run: 12753

the leader1 dead using 219

Number of cycles run: 50000

the leader1 dead using 457

the leader1 dead using 457

Number of cycles run: 15664

the leader1 dead using 342

the leader1 dead using 342

Number of cycles run: 5544

Number of cycles run: 7932

the leader1 dead using 3831

the leader1 dead using 3831

the leader1 dead using 3831

Number of cycles run: 6703

the leader1 dead using 293

the leader1 dead using 293

Number of cycles run: 5517

the leader1 dead using 332

Number of cycles run: 50000

the leader1 dead using 265

Number of cycles run: 50000

the leader1 dead using 1244

Number of cycles run: 5460

the leader1 dead using 400

Number of cycles run: 50000

the leader1 dead using 526

the leader1 dead using 526

the leader1 dead using 526

Number of cycles run: 5439

the leader1 dead using 1050

the leader1 dead using 1050

Number of cycles run: 7575

the leader1 dead using 1610

Number of cycles run: 5558

the leader1 dead using 2862

Number of cycles run: 4530

the leader1 dead using 288

Number of cycles run: 50000

the leader1 dead using 4625

Number of cycles run: 50000

the leader1 dead using 470

the leader1 dead using 470

Number of cycles run: 5889

Av cycles for leadership strength 2.5 is 17118

standard diviation is 17937.441136

Testing average cycles for leadership strength 2.5

the leader1 dead using 3466

the leader1 dead using 3466

Number of cycles run: 5748

the leader1 dead using 426

the leader1 dead using 426

Number of cycles run: 10128

the leader1 dead using 2278

the leader1 dead using 2278

Number of cycles run: 4581

the leader1 dead using 262

Number of cycles run: 5291

the leader1 dead using 4019

the leader1 dead using 4019

Number of cycles run: 21346

the leader1 dead using 210

the leader1 dead using 210

Number of cycles run: 21073

the leader1 dead using 319

the leader1 dead using 319

Number of cycles run: 4742

the leader1 dead using 3407

the leader1 dead using 3407

the leader1 dead using 3407

Number of cycles run: 5230

the leader1 dead using 525

Number of cycles run: 50000

the leader1 dead using 1223

the leader1 dead using 1223

Number of cycles run: 5876

the leader1 dead using 330

the leader1 dead using 330

the leader1 dead using 330

Number of cycles run: 10221

the leader1 dead using 430

the leader1 dead using 430

Number of cycles run: 50000

the leader1 dead using 270

the leader1 dead using 270

the leader1 dead using 270

Number of cycles run: 5180

the leader1 dead using 1438

the leader1 dead using 1438

the leader1 dead using 1438

Number of cycles run: 6319

Number of cycles run: 50000

the leader1 dead using 430

the leader1 dead using 430

Number of cycles run: 5465

the leader1 dead using 420

Number of cycles run: 4058

the leader1 dead using 243

Number of cycles run: 26944

the leader1 dead using 1208

the leader1 dead using 1208

the leader1 dead using 1208

Number of cycles run: 5304

the leader1 dead using 634

Number of cycles run: 6155

the leader1 dead using 842

Number of cycles run: 4366

the leader1 dead using 414

the leader1 dead using 414

Number of cycles run: 48789

the leader1 dead using 574

the leader1 dead using 574

the leader1 dead using 574

Number of cycles run: 50000

the leader1 dead using 2118

Number of cycles run: 4508

the leader1 dead using 469

the leader1 dead using 469

the leader1 dead using 469

the leader1 dead using 469

the leader1 dead using 469

the leader1 dead using 469

Number of cycles run: 50000

the leader1 dead using 1038

the leader1 dead using 1038

Number of cycles run: 6810

the leader1 dead using 870

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-pc6067 ml16m6y]$ python schooling\_L3\_2.5.py idle

python: can't open file 'schooling\_L3\_2.5.py': [Errno 2] No such file or directory

[ml16m6y@comp-pc6067 ml16m6y]$ python schooling\_L3\_2.5.py idle

python: can't open file 'schooling\_L3\_2.5.py': [Errno 2] No such file or directory

[ml16m6y@comp-pc6067 ml16m6y]$ cd Downloads

[ml16m6y@comp-pc6067 Downloads]$ module add anaconda3/4.4.0

[ml16m6y@comp-pc6067 Downloads]$ python schooling\_L3\_2.5.py idle

Testing average cycles for leadership strength 2.5

the leader1 dead using 205

the leader1 dead using 205

the leader1 dead using 205

Number of cycles run: 4318

the leader1 dead using 1861

the leader1 dead using 1861

the leader1 dead using 1861

Number of cycles run: 5512

the leader1 dead using 4991

Number of cycles run: 8602

the leader1 dead using 429

the leader1 dead using 429

Number of cycles run: 5651

the leader1 dead using 3365

the leader1 dead using 3365

the leader1 dead using 3365

the leader1 dead using 3365

the leader1 dead using 3365

Number of cycles run: 5761

the leader1 dead using 813

the leader1 dead using 813

Number of cycles run: 50000

the leader1 dead using 5151

Number of cycles run: 5151

the leader1 dead using 1945

the leader1 dead using 1945

Number of cycles run: 6738

the leader1 dead using 324

the leader1 dead using 324

Number of cycles run: 50000

the leader1 dead using 2146

the leader1 dead using 2146

Number of cycles run: 6089

the leader1 dead using 598

Number of cycles run: 5404

Number of cycles run: 50000

Number of cycles run: 50000

the leader1 dead using 4840

the leader1 dead using 4840

Number of cycles run: 7048

the leader1 dead using 445

Number of cycles run: 8431

the leader1 dead using 972

the leader1 dead using 972

the leader1 dead using 972

Number of cycles run: 9038

the leader1 dead using 7838

the leader1 dead using 7838

Number of cycles run: 9741

the leader1 dead using 1349

Number of cycles run: 4658

the leader1 dead using 3453

the leader1 dead using 3453

the leader1 dead using 3453

Number of cycles run: 6572

Number of cycles run: 50000

the leader1 dead using 1666

the leader1 dead using 1666

the leader1 dead using 1666

Number of cycles run: 8633

the leader1 dead using 7673

the leader1 dead using 7673

the leader1 dead using 7673

Number of cycles run: 9630

the leader1 dead using 236

Number of cycles run: 4635

Number of cycles run: 4470

the leader1 dead using 478

the leader1 dead using 478

the leader1 dead using 478

Number of cycles run: 10278

Number of cycles run: 50000

the leader1 dead using 17514

the leader1 dead using 17514

Number of cycles run: 50000

the leader1 dead using 1159

Number of cycles run: 4997

the leader1 dead using 188

the leader1 dead using 188

the leader1 dead using 188

Number of cycles run: 50000

the leader1 dead using 390

Number of cycles run: 50000

the leader1 dead using 417

the leader1 dead using 417

Number of cycles run: 50000

the leader1 dead using 438

the leader1 dead using 438

Number of cycles run: 5046

the leader1 dead using 2553

the leader1 dead using 2553

Number of cycles run: 4953

Number of cycles run: 13224

the leader1 dead using 450

Number of cycles run: 7569

the leader1 dead using 7019

Number of cycles run: 50000

the leader1 dead using 4260

the leader1 dead using 4260

Number of cycles run: 6248

Number of cycles run: 4742

the leader1 dead using 750

Number of cycles run: 5154

the leader1 dead using 228

Number of cycles run: 50000

Number of cycles run: 5448

the leader1 dead using 230

the leader1 dead using 230

Number of cycles run: 8050

the leader1 dead using 590

the leader1 dead using 590

the leader1 dead using 590

the leader1 dead using 590

the leader1 dead using 590

Number of cycles run: 8069

Number of cycles run: 33640

the leader1 dead using 1024

Number of cycles run: 4308

the leader1 dead using 595

the leader1 dead using 595

the leader1 dead using 595

the leader1 dead using 595

Number of cycles run: 8586

the leader1 dead using 944

the leader1 dead using 944

Number of cycles run: 20311

the leader1 dead using 1764

the leader1 dead using 1764

the leader1 dead using 1764

the leader1 dead using 1764

the leader1 dead using 1764

Number of cycles run: 5635

Number of cycles run: 50000

the leader1 dead using 1344

Number of cycles run: 6614

Av cycles for leadership strength 2.5 is 18779

standard diviation is 19239.1074147

Testing average cycles for leadership strength 2.5

the leader1 dead using 1925

the leader1 dead using 1925

the leader1 dead using 1925

Number of cycles run: 4020

the leader1 dead using 1026

the leader1 dead using 1026

Number of cycles run: 4252

the leader1 dead using 516

the leader1 dead using 516

Number of cycles run: 5300

the leader1 dead using 16026

the leader1 dead using 16026

Number of cycles run: 19926

the leader1 dead using 1565

Number of cycles run: 5316

the leader1 dead using 698

Number of cycles run: 50000

the leader1 dead using 250

the leader1 dead using 250

Number of cycles run: 9112

the leader1 dead using 2162

Number of cycles run: 5436

the leader1 dead using 1237

the leader1 dead using 1237

the leader1 dead using 1237

Number of cycles run: 3969

the leader1 dead using 3618

Number of cycles run: 7775

the leader1 dead using 471

the leader1 dead using 471

the leader1 dead using 471

the leader1 dead using 471

Number of cycles run: 5288

the leader1 dead using 238

the leader1 dead using 238

Number of cycles run: 6375

the leader1 dead using 533

the leader1 dead using 533

Number of cycles run: 5006

the leader1 dead using 335

the leader1 dead using 335

the leader1 dead using 335

the leader1 dead using 335

Number of cycles run: 5179

the leader1 dead using 1547

the leader1 dead using 1547

the leader1 dead using 1547

the leader1 dead using 1547

the leader1 dead using 1547

Number of cycles run: 4917

the leader1 dead using 592

the leader1 dead using 592

Number of cycles run: 50000

the leader1 dead using 2261

Number of cycles run: 12277

the leader1 dead using 2819

the leader1 dead using 2819

Number of cycles run: 4721

the leader1 dead using 2371

the leader1 dead using 2371

the leader1 dead using 2371

Number of cycles run: 5389

the leader1 dead using 397

Number of cycles run: 6635

the leader1 dead using 152

the leader1 dead using 152

Number of cycles run: 50000

the leader1 dead using 3348

Number of cycles run: 3962

the leader1 dead using 264

Number of cycles run: 5091

the leader1 dead using 380

the leader1 dead using 380

the leader1 dead using 380

Number of cycles run: 50000

the leader1 dead using 395

Number of cycles run: 33581

the leader1 dead using 2119

Number of cycles run: 4282

the leader1 dead using 458

the leader1 dead using 458

the leader1 dead using 458

the leader1 dead using 458

the leader1 dead using 458

Number of cycles run: 5120

the leader1 dead using 5377

the leader1 dead using 5377

Number of cycles run: 6394

the leader1 dead using 2851

the leader1 dead using 2851

the leader1 dead using 2851

Number of cycles run: 3979

the leader1 dead using 2950

the leader1 dead using 2950

Number of cycles run: 4438

the leader1 dead using 206

the leader1 dead using 206

Number of cycles run: 26576

the leader1 dead using 5812

Number of cycles run: 7325

Number of cycles run: 5328

the leader1 dead using 217

the leader1 dead using 217

Number of cycles run: 7126

the leader1 dead using 1688

Number of cycles run: 5782

the leader1 dead using 534

the leader1 dead using 534

Number of cycles run: 50000

the leader1 dead using 1086

the leader1 dead using 1086

the leader1 dead using 1086

the leader1 dead using 1086

Number of cycles run: 21970

the leader1 dead using 7680

Number of cycles run: 8338

the leader1 dead using 969

the leader1 dead using 969

the leader1 dead using 969

Number of cycles run: 50000

the leader1 dead using 1443

Number of cycles run: 10656

Number of cycles run: 50000

the leader1 dead using 393

the leader1 dead using 393

Number of cycles run: 11098

the leader1 dead using 1625

Number of cycles run: 4979

the leader1 dead using 13910

Number of cycles run: 14248

the leader1 dead using 446

Number of cycles run: 24497

the leader1 dead using 299

the leader1 dead using 299

Number of cycles run: 44398

the leader1 dead using 744

the leader1 dead using 744

the leader1 dead using 744

Number of cycles run: 6555

the leader1 dead using 1885

the leader1 dead using 1885

the leader1 dead using 1885

the leader1 dead using 1885

Number of cycles run: 5607

the leader1 dead using 646

Number of cycles run: 9141

the leader1 dead using 1952

the leader1 dead using 1952

Number of cycles run: 3814

Av cycles for leadership strength 2.5 is 15103

standard diviation is 16341.1283978

Testing average cycles for leadership strength 2.5

Number of cycles run: 5431

the leader1 dead using 1036

the leader1 dead using 1036

Number of cycles run: 14876

the leader1 dead using 495

the leader1 dead using 495

Number of cycles run: 4489

the leader1 dead using 413

Number of cycles run: 50000

Number of cycles run: 35442

the leader1 dead using 422

Number of cycles run: 4509

the leader1 dead using 217

the leader1 dead using 217

Number of cycles run: 24900

the leader1 dead using 1728

the leader1 dead using 1728

Number of cycles run: 5515

the leader1 dead using 870

the leader1 dead using 870

the leader1 dead using 870

Number of cycles run: 4482

the leader1 dead using 1422

Number of cycles run: 5943

the leader1 dead using 283

Number of cycles run: 50000

the leader1 dead using 49324

Number of cycles run: 49360

the leader1 dead using 264

the leader1 dead using 264

the leader1 dead using 264

the leader1 dead using 264

the leader1 dead using 264

the leader1 dead using 264

Number of cycles run: 8155

the leader1 dead using 229

the leader1 dead using 229

the leader1 dead using 229

Number of cycles run: 5066

Number of cycles run: 50000

the leader1 dead using 1039

Number of cycles run: 4428

the leader1 dead using 21010

the leader1 dead using 21010

the leader1 dead using 21010

Number of cycles run: 23404

the leader1 dead using 332

the leader1 dead using 332

Number of cycles run: 12635

the leader1 dead using 385

Number of cycles run: 4747

the leader1 dead using 1663

the leader1 dead using 1663

Number of cycles run: 7140

the leader1 dead using 2591

the leader1 dead using 2591

Number of cycles run: 50000

the leader1 dead using 514

the leader1 dead using 514

the leader1 dead using 514

Number of cycles run: 5161

the leader1 dead using 2905

the leader1 dead using 2905

Number of cycles run: 5000

the leader1 dead using 394

the leader1 dead using 394

Number of cycles run: 50000

the leader1 dead using 4901

Number of cycles run: 6442

the leader1 dead using 2097

the leader1 dead using 2097

the leader1 dead using 2097

Number of cycles run: 7146

the leader1 dead using 783

the leader1 dead using 783

the leader1 dead using 783

Number of cycles run: 8623

the leader1 dead using 292

the leader1 dead using 292

the leader1 dead using 292

Number of cycles run: 9163

the leader1 dead using 1680

Number of cycles run: 4491

the leader1 dead using 1031

the leader1 dead using 1031

the leader1 dead using 1031

Number of cycles run: 24482

the leader1 dead using 9735

Number of cycles run: 11676

Number of cycles run: 50000

Number of cycles run: 50000

the leader1 dead using 1441

Number of cycles run: 5462

the leader1 dead using 937

the leader1 dead using 937

the leader1 dead using 937

the leader1 dead using 937

Number of cycles run: 10436

the leader1 dead using 2668

the leader1 dead using 2668

the leader1 dead using 2668

Number of cycles run: 7004

the leader1 dead using 552

Number of cycles run: 6269

the leader1 dead using 439

the leader1 dead using 439

Number of cycles run: 9882

Number of cycles run: 14199

the leader1 dead using 334

the leader1 dead using 334

Number of cycles run: 16176

the leader1 dead using 651

Number of cycles run: 5452

the leader1 dead using 425

Number of cycles run: 7060

the leader1 dead using 2117

the leader1 dead using 2117

Number of cycles run: 4845

the leader1 dead using 5582

the leader1 dead using 5582

the leader1 dead using 5582

Number of cycles run: 6843

the leader1 dead using 1196

the leader1 dead using 1196

the leader1 dead using 1196

Number of cycles run: 5124

the leader1 dead using 237

the leader1 dead using 237

Number of cycles run: 6295

the leader1 dead using 431

the leader1 dead using 431

the leader1 dead using 431

Number of cycles run: 6413

the leader1 dead using 589

the leader1 dead using 589

Number of cycles run: 4427

the leader1 dead using 2956

Number of cycles run: 5669

Number of cycles run: 50000

Av cycles for leadership strength 2.5 is 16485

standard diviation is 16992.9153059

Testing average cycles for leadership strength 2.5

the leader1 dead using 845

the leader1 dead using 845

Number of cycles run: 5231

the leader1 dead using 1776

the leader1 dead using 1776

Number of cycles run: 6341

Number of cycles run: 7510

the leader1 dead using 3878

the leader1 dead using 3878

the leader1 dead using 3878

the leader1 dead using 3878

the leader1 dead using 3878

Number of cycles run: 7013

the leader1 dead using 426

the leader1 dead using 426

Number of cycles run: 5056

the leader1 dead using 429

the leader1 dead using 429

Number of cycles run: 5029

the leader1 dead using 302

Number of cycles run: 50000

the leader1 dead using 582

the leader1 dead using 582

the leader1 dead using 582

Number of cycles run: 16005

the leader1 dead using 454

the leader1 dead using 454

Number of cycles run: 5398

the leader1 dead using 455

the leader1 dead using 455

Number of cycles run: 19034

the leader1 dead using 567

the leader1 dead using 567

the leader1 dead using 567

the leader1 dead using 567

Number of cycles run: 3972

the leader1 dead using 1067

the leader1 dead using 1067

Number of cycles run: 6460

the leader1 dead using 1632

the leader1 dead using 1632