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\_3.0.py idle

Testing average cycles for leadership strength 3.0

the leader1 dead using 1756

the leader1 dead using 1756

the leader1 dead using 1756

the leader1 dead using 1756

the leader1 dead using 1756

Number of cycles run: 4983

the leader1 dead using 378

Number of cycles run: 4759

Number of cycles run: 48910

the leader1 dead using 2661

Number of cycles run: 3423

the leader1 dead using 646

Number of cycles run: 5411

the leader1 dead using 364

the leader1 dead using 364

the leader1 dead using 364

Number of cycles run: 6726

the leader1 dead using 267

the leader1 dead using 267

the leader1 dead using 267

Number of cycles run: 3957

the leader1 dead using 309

the leader1 dead using 309

the leader1 dead using 309

Number of cycles run: 50000

the leader1 dead using 502

Number of cycles run: 3317

Number of cycles run: 5253

the leader1 dead using 3160

the leader1 dead using 3160

Number of cycles run: 3892

the leader1 dead using 232

the leader1 dead using 232

the leader1 dead using 232

the leader1 dead using 232

Number of cycles run: 4247

the leader1 dead using 4331

Number of cycles run: 5561

the leader1 dead using 394

the leader1 dead using 394

the leader1 dead using 394

the leader1 dead using 394

Number of cycles run: 3848

the leader1 dead using 442

the leader1 dead using 442

the leader1 dead using 442

Number of cycles run: 8969

the leader1 dead using 557

the leader1 dead using 557

Number of cycles run: 34469

the leader1 dead using 240

the leader1 dead using 240

Number of cycles run: 3694

the leader1 dead using 1173

Number of cycles run: 7095

the leader1 dead using 999

the leader1 dead using 999

Number of cycles run: 2725

the leader1 dead using 174

Number of cycles run: 50000

the leader1 dead using 449

Number of cycles run: 15866

the leader1 dead using 779

the leader1 dead using 779

the leader1 dead using 779

the leader1 dead using 779

Number of cycles run: 3276

the leader1 dead using 349

the leader1 dead using 349

the leader1 dead using 349

the leader1 dead using 349

the leader1 dead using 349

Number of cycles run: 20401

the leader1 dead using 3607

Number of cycles run: 3607

the leader1 dead using 287

the leader1 dead using 287

Number of cycles run: 28277

Number of cycles run: 50000

the leader1 dead using 185

Number of cycles run: 2968

the leader1 dead using 338

the leader1 dead using 338

Number of cycles run: 11617

the leader1 dead using 261

the leader1 dead using 261

the leader1 dead using 261

Number of cycles run: 5497

the leader1 dead using 8521

the leader1 dead using 8521

Number of cycles run: 13992

Number of cycles run: 50000

Number of cycles run: 9232

Number of cycles run: 50000

the leader1 dead using 2308

Number of cycles run: 8583

Number of cycles run: 50000

the leader1 dead using 2677

the leader1 dead using 2677

Number of cycles run: 5058

the leader1 dead using 256

the leader1 dead using 256

Number of cycles run: 8296

the leader1 dead using 26980

Number of cycles run: 27115

the leader1 dead using 1579

Number of cycles run: 3557

Number of cycles run: 13691

the leader1 dead using 1610

the leader1 dead using 1610

Number of cycles run: 3455

the leader1 dead using 318

the leader1 dead using 318

Number of cycles run: 18224

the leader1 dead using 524

the leader1 dead using 524

Number of cycles run: 3754

the leader1 dead using 2319

the leader1 dead using 2319

the leader1 dead using 2319

the leader1 dead using 2319

Number of cycles run: 7593

the leader1 dead using 170

the leader1 dead using 170

Number of cycles run: 15778

the leader1 dead using 1599

the leader1 dead using 1599

Number of cycles run: 3644

the leader1 dead using 2083

the leader1 dead using 2083

Number of cycles run: 4591

the leader1 dead using 1604

Number of cycles run: 4662

the leader1 dead using 500

the leader1 dead using 500

the leader1 dead using 500

Number of cycles run: 4518

the leader1 dead using 1710

Number of cycles run: 2451

Av cycles for leadership strength 3.0 is 14218

standard diviation is 16091.043321

Testing average cycles for leadership strength 3.0

the leader1 dead using 3561

the leader1 dead using 3561

Number of cycles run: 4001

the leader1 dead using 297

the leader1 dead using 297

Number of cycles run: 50000

the leader1 dead using 183

the leader1 dead using 183

the leader1 dead using 183

Number of cycles run: 30682

the leader1 dead using 382

Number of cycles run: 50000

Number of cycles run: 50000

the leader1 dead using 4193

Number of cycles run: 5579

the leader1 dead using 938

Number of cycles run: 3150

the leader1 dead using 1133

Number of cycles run: 2480

the leader1 dead using 513

the leader1 dead using 513

Number of cycles run: 20701

the leader1 dead using 1293

the leader1 dead using 1293

the leader1 dead using 1293

the leader1 dead using 1293

the leader1 dead using 1293

Number of cycles run: 2664

the leader1 dead using 11939

Number of cycles run: 12708

Number of cycles run: 50000

Number of cycles run: 50000

the leader1 dead using 427

Number of cycles run: 20004

the leader1 dead using 235

Number of cycles run: 4366

the leader1 dead using 359

the leader1 dead using 359

Number of cycles run: 3662

the leader1 dead using 11597

the leader1 dead using 11597

Number of cycles run: 27560

the leader1 dead using 4341

Number of cycles run: 4767

the leader1 dead using 779

the leader1 dead using 779

Number of cycles run: 3842

the leader1 dead using 1661

the leader1 dead using 1661

Number of cycles run: 2902

the leader1 dead using 692

the leader1 dead using 692

Number of cycles run: 6438

the leader1 dead using 192

Number of cycles run: 3689

the leader1 dead using 930

the leader1 dead using 930

Number of cycles run: 2926

the leader1 dead using 3494

Number of cycles run: 4526

the leader1 dead using 1324

the leader1 dead using 1324

the leader1 dead using 1324

Number of cycles run: 4089

the leader1 dead using 4104

Number of cycles run: 4557

the leader1 dead using 3613

Number of cycles run: 3691

the leader1 dead using 2770

the leader1 dead using 2770

Number of cycles run: 3850

the leader1 dead using 1764

Number of cycles run: 2806

the leader1 dead using 387

Number of cycles run: 50000

the leader1 dead using 8525

the leader1 dead using 8525

Number of cycles run: 15380

Number of cycles run: 11863

the leader1 dead using 2491

the leader1 dead using 2491

the leader1 dead using 2491

the leader1 dead using 2491

Number of cycles run: 5890

the leader1 dead using 506

the leader1 dead using 506

Number of cycles run: 10115

the leader1 dead using 1685

the leader1 dead using 1685

Number of cycles run: 4901

the leader1 dead using 431

the leader1 dead using 431

Number of cycles run: 3467

the leader1 dead using 229

Number of cycles run: 32024

the leader1 dead using 382

the leader1 dead using 382

the leader1 dead using 382

the leader1 dead using 382

Number of cycles run: 4875

the leader1 dead using 1083

the leader1 dead using 1083

the leader1 dead using 1083

the leader1 dead using 1083

the leader1 dead using 1083

the leader1 dead using 1083

Number of cycles run: 3876

the leader1 dead using 263

the leader1 dead using 263

the leader1 dead using 263

the leader1 dead using 263

Number of cycles run: 3306

the leader1 dead using 281

the leader1 dead using 281

the leader1 dead using 281

Number of cycles run: 3571

the leader1 dead using 1108

the leader1 dead using 1108

the leader1 dead using 1108

Number of cycles run: 3070

the leader1 dead using 10427

the leader1 dead using 10427

the leader1 dead using 10427

Number of cycles run: 12026

the leader1 dead using 254

the leader1 dead using 254

the leader1 dead using 254

the leader1 dead using 254

Number of cycles run: 5435

the leader1 dead using 982

the leader1 dead using 982

the leader1 dead using 982

the leader1 dead using 982

Number of cycles run: 4390

the leader1 dead using 317

the leader1 dead using 317

Number of cycles run: 8360

the leader1 dead using 350

the leader1 dead using 350

the leader1 dead using 350

the leader1 dead using 350

the leader1 dead using 350

Number of cycles run: 2760

the leader1 dead using 1088

the leader1 dead using 1088

the leader1 dead using 1088

the leader1 dead using 1088

Number of cycles run: 5368

the leader1 dead using 861

the leader1 dead using 861

the leader1 dead using 861

Number of cycles run: 8601

the leader1 dead using 34069

the leader1 dead using 34069

the leader1 dead using 34069

the leader1 dead using 34069

the leader1 dead using 34069

Number of cycles run: 35569

Av cycles for leadership strength 3.0 is 13409

standard diviation is 15839.3077214

Testing average cycles for leadership strength 3.0

the leader1 dead using 219

the leader1 dead using 219

Number of cycles run: 8180

the leader1 dead using 1429

the leader1 dead using 1429

Number of cycles run: 2249

the leader1 dead using 915

Number of cycles run: 11837

the leader1 dead using 1575

Number of cycles run: 4844

the leader1 dead using 2619

Number of cycles run: 3820

the leader1 dead using 1173

Number of cycles run: 3805

the leader1 dead using 1551

the leader1 dead using 1551

the leader1 dead using 1551

Number of cycles run: 3791

the leader1 dead using 456

the leader1 dead using 456

the leader1 dead using 456

Number of cycles run: 27231

the leader1 dead using 3451

Number of cycles run: 3451

the leader1 dead using 5542

Number of cycles run: 10574

the leader1 dead using 664

the leader1 dead using 664

Number of cycles run: 4290

the leader1 dead using 235

the leader1 dead using 235

Number of cycles run: 6237

the leader1 dead using 2056

the leader1 dead using 2056

Number of cycles run: 4304

the leader1 dead using 322

the leader1 dead using 322

Number of cycles run: 50000

the leader1 dead using 5999

the leader1 dead using 5999

the leader1 dead using 5999

Number of cycles run: 9344

the leader1 dead using 3310

the leader1 dead using 3310

Number of cycles run: 3712

the leader1 dead using 468

the leader1 dead using 468

the leader1 dead using 468

the leader1 dead using 468

Number of cycles run: 5414

the leader1 dead using 365

the leader1 dead using 365

Number of cycles run: 3372

the leader1 dead using 412

the leader1 dead using 412

Number of cycles run: 4992

the leader1 dead using 3062

Number of cycles run: 4562

the leader1 dead using 609

the leader1 dead using 609

Number of cycles run: 2287

Number of cycles run: 3674

the leader1 dead using 276

the leader1 dead using 276

Number of cycles run: 50000

the leader1 dead using 3380

Number of cycles run: 5406

the leader1 dead using 734

Number of cycles run: 50000

the leader1 dead using 368

Number of cycles run: 50000

the leader1 dead using 830

Number of cycles run: 7169

the leader1 dead using 2023

the leader1 dead using 2023

the leader1 dead using 2023

Number of cycles run: 3636

the leader1 dead using 232

the leader1 dead using 232

the leader1 dead using 232

Number of cycles run: 3887

the leader1 dead using 293

the leader1 dead using 293

the leader1 dead using 293

Number of cycles run: 50000

the leader1 dead using 1424

the leader1 dead using 1424

the leader1 dead using 1424

the leader1 dead using 1424

the leader1 dead using 1424

Number of cycles run: 3404

the leader1 dead using 1832

the leader1 dead using 1832

the leader1 dead using 1832

Number of cycles run: 5575

the leader1 dead using 7085

Number of cycles run: 10449

the leader1 dead using 253

the leader1 dead using 253

Number of cycles run: 3017

the leader1 dead using 1057

Number of cycles run: 4156

the leader1 dead using 294

Number of cycles run: 50000

the leader1 dead using 15188

Number of cycles run: 15931

the leader1 dead using 10260

Number of cycles run: 17171

Number of cycles run: 6781

the leader1 dead using 838

the leader1 dead using 838

Number of cycles run: 3219

the leader1 dead using 712

the leader1 dead using 712

the leader1 dead using 712

the leader1 dead using 712

Number of cycles run: 2802

the leader1 dead using 265

Number of cycles run: 3946

the leader1 dead using 7080

the leader1 dead using 7080

the leader1 dead using 7080

the leader1 dead using 7080

Number of cycles run: 7710

the leader1 dead using 529

the leader1 dead using 529

the leader1 dead using 529

the leader1 dead using 529

Number of cycles run: 13290

the leader1 dead using 237

Number of cycles run: 4055

Number of cycles run: 50000

Number of cycles run: 39356

the leader1 dead using 26797

the leader1 dead using 26797

Number of cycles run: 50000

the leader1 dead using 173

Number of cycles run: 17647

the leader1 dead using 1299

the leader1 dead using 1299

the leader1 dead using 1299

Number of cycles run: 5022

Av cycles for leadership strength 3.0 is 14311

standard diviation is 17046.3241588

Testing average cycles for leadership strength 3.0

the leader1 dead using 2125

Number of cycles run: 4005

the leader1 dead using 840

the leader1 dead using 840

the leader1 dead using 840

Number of cycles run: 3625

the leader1 dead using 651

Number of cycles run: 50000

the leader1 dead using 432

the leader1 dead using 432

the leader1 dead using 432

the leader1 dead using 432

Number of cycles run: 6007

the leader1 dead using 1711

Number of cycles run: 2424

Number of cycles run: 25451

the leader1 dead using 321

the leader1 dead using 321

the leader1 dead using 321

Number of cycles run: 4813

the leader1 dead using 4299

Number of cycles run: 5995

the leader1 dead using 734

the leader1 dead using 734

the leader1 dead using 734

Number of cycles run: 3979

the leader1 dead using 497

the leader1 dead using 497

the leader1 dead using 497

Number of cycles run: 7919

the leader1 dead using 486

Number of cycles run: 50000

the leader1 dead using 2094

the leader1 dead using 2094

Number of cycles run: 3647

the leader1 dead using 443

the leader1 dead using 443

Number of cycles run: 6071

Number of cycles run: 50000

the leader1 dead using 392

the leader1 dead using 392

the leader1 dead using 392

the leader1 dead using 392

Number of cycles run: 3950

Number of cycles run: 8901

the leader1 dead using 18258

Number of cycles run: 18659

Number of cycles run: 50000

the leader1 dead using 3619

the leader1 dead using 3619

the leader1 dead using 3619

the leader1 dead using 3619

the leader1 dead using 3619

Number of cycles run: 5902

Number of cycles run: 31475

the leader1 dead using 173

the leader1 dead using 173

the leader1 dead using 173

Number of cycles run: 50000

the leader1 dead using 552

the leader1 dead using 552

Number of cycles run: 7032

the leader1 dead using 367

the leader1 dead using 367

the leader1 dead using 367

Number of cycles run: 2851

the leader1 dead using 636

the leader1 dead using 636

the leader1 dead using 636

Number of cycles run: 5255

the leader1 dead using 292

Number of cycles run: 6295

Number of cycles run: 50000

the leader1 dead using 7161

the leader1 dead using 7161

the leader1 dead using 7161

Number of cycles run: 8821

the leader1 dead using 555

the leader1 dead using 555

the leader1 dead using 555

Number of cycles run: 30060

the leader1 dead using 2147

the leader1 dead using 2147

Number of cycles run: 3359

the leader1 dead using 1035

the leader1 dead using 1035

the leader1 dead using 1035

Number of cycles run: 6316

Number of cycles run: 50000

the leader1 dead using 372

the leader1 dead using 372

Number of cycles run: 3916

the leader1 dead using 711

the leader1 dead using 711

Number of cycles run: 2717

Number of cycles run: 11856

Number of cycles run: 4651

the leader1 dead using 493

the leader1 dead using 493

the leader1 dead using 493

Number of cycles run: 19878

the leader1 dead using 1440

the leader1 dead using 1440

the leader1 dead using 1440

Number of cycles run: 3183

the leader1 dead using 259

Number of cycles run: 50000

the leader1 dead using 380

the leader1 dead using 380

Number of cycles run: 22640

the leader1 dead using 378

the leader1 dead using 378

the leader1 dead using 378

Number of cycles run: 4396

the leader1 dead using 589

the leader1 dead using 589

the leader1 dead using 589

Number of cycles run: 5281

the leader1 dead using 1136

Number of cycles run: 6767

the leader1 dead using 634

the leader1 dead using 634

Number of cycles run: 21854

the leader1 dead using 3150

the leader1 dead using 3150

Number of cycles run: 3741

the leader1 dead using 702

Number of cycles run: 18535

the leader1 dead using 753

the leader1 dead using 753

the leader1 dead using 753

the leader1 dead using 753

Number of cycles run: 2060

Number of cycles run: 50000

the leader1 dead using 704

the leader1 dead using 704

Number of cycles run: 4431

the leader1 dead using 582

Number of cycles run: 4323

the leader1 dead using 280

the leader1 dead using 280

Number of cycles run: 4229

Av cycles for leadership strength 3.0 is 16145

standard diviation is 17548.9126368

Testing average cycles for leadership strength 3.0

the leader1 dead using 410

the leader1 dead using 410

the leader1 dead using 410

the leader1 dead using 410

the leader1 dead using 410

Number of cycles run: 15908

Number of cycles run: 50000

the leader1 dead using 24501

Number of cycles run: 24606

the leader1 dead using 1567

the leader1 dead using 1567

Number of cycles run: 4163

the leader1 dead using 286

the leader1 dead using 286

the leader1 dead using 286

Number of cycles run: 50000

the leader1 dead using 2807

the leader1 dead using 2807

Number of cycles run: 4335

the leader1 dead using 1765

the leader1 dead using 1765

Number of cycles run: 5136

Number of cycles run: 50000

the leader1 dead using 956

Number of cycles run: 3801

the leader1 dead using 311

Number of cycles run: 50000

the leader1 dead using 895

Number of cycles run: 3901

the leader1 dead using 1981

the leader1 dead using 1981

the leader1 dead using 1981

the leader1 dead using 1981

Number of cycles run: 3718

the leader1 dead using 267

Number of cycles run: 50000

the leader1 dead using 423

the leader1 dead using 423

the leader1 dead using 423

Number of cycles run: 4363

the leader1 dead using 4325

the leader1 dead using 4325

Number of cycles run: 11177

the leader1 dead using 256

the leader1 dead using 256

Number of cycles run: 2513

the leader1 dead using 1271

Number of cycles run: 50000

the leader1 dead using 439

the leader1 dead using 439

Number of cycles run: 3773

the leader1 dead using 1893

the leader1 dead using 1893

Number of cycles run: 4892

the leader1 dead using 414

the leader1 dead using 414

Number of cycles run: 50000

the leader1 dead using 4644

Number of cycles run: 4707

the leader1 dead using 276

Number of cycles run: 12937

the leader1 dead using 852

Number of cycles run: 3341

the leader1 dead using 1078

the leader1 dead using 1078

the leader1 dead using 1078

Number of cycles run: 5776

the leader1 dead using 384

Number of cycles run: 9074

Number of cycles run: 14029

the leader1 dead using 513

Number of cycles run: 6439

Number of cycles run: 50000

the leader1 dead using 322

Number of cycles run: 4567

the leader1 dead using 278

the leader1 dead using 278

the leader1 dead using 278

Number of cycles run: 7735

Number of cycles run: 50000

the leader1 dead using 186

Number of cycles run: 49552

the leader1 dead using 612

the leader1 dead using 612

Number of cycles run: 4471

the leader1 dead using 2821

the leader1 dead using 2821

Number of cycles run: 5762

Number of cycles run: 21581

the leader1 dead using 1474

the leader1 dead using 1474

the leader1 dead using 1474

Number of cycles run: 4700

the leader1 dead using 2583

the leader1 dead using 2583

Number of cycles run: 6314

the leader1 dead using 324

the leader1 dead using 324

the leader1 dead using 324

the leader1 dead using 324

the leader1 dead using 324

the leader1 dead using 324

Number of cycles run: 6874

the leader1 dead using 288

the leader1 dead using 288

Number of cycles run: 30039

the leader1 dead using 326

Number of cycles run: 50000

the leader1 dead using 2199

the leader1 dead using 2199

the leader1 dead using 2199

the leader1 dead using 2199

Number of cycles run: 5197

the leader1 dead using 1259

the leader1 dead using 1259

Number of cycles run: 50000

the leader1 dead using 214

the leader1 dead using 214

the leader1 dead using 214

Number of cycles run: 50000

Number of cycles run: 4393

the leader1 dead using 1430

the leader1 dead using 1430

Number of cycles run: 3864

the leader1 dead using 1390

the leader1 dead using 1390

the leader1 dead using 1390

Number of cycles run: 3302

the leader1 dead using 228

Number of cycles run: 5308

the leader1 dead using 1491

the leader1 dead using 1491

Number of cycles run: 3746

Number of cycles run: 36703

the leader1 dead using 217

Number of cycles run: 50000

Av cycles for leadership strength 3.0 is 20053

standard diviation is 20014.0829075

Testing average cycles for leadership strength 3.0

the leader1 dead using 12501

Number of cycles run: 12501

the leader1 dead using 247

the leader1 dead using 247

Number of cycles run: 4164

the leader1 dead using 4577

Number of cycles run: 4909

the leader1 dead using 1489

Number of cycles run: 5065

the leader1 dead using 21401

the leader1 dead using 21401

Number of cycles run: 36844

the leader1 dead using 430

the leader1 dead using 430

the leader1 dead using 430

Number of cycles run: 3372

the leader1 dead using 361

Number of cycles run: 50000

the leader1 dead using 6470

the leader1 dead using 6470

the leader1 dead using 6470

Number of cycles run: 8695

the leader1 dead using 1366

the leader1 dead using 1366

the leader1 dead using 1366

the leader1 dead using 1366

Number of cycles run: 6482

the leader1 dead using 272

the leader1 dead using 272

Number of cycles run: 4789

the leader1 dead using 1681

Number of cycles run: 3912

the leader1 dead using 3362

Number of cycles run: 5283

the leader1 dead using 5125

the leader1 dead using 5125

Number of cycles run: 6558

Number of cycles run: 50000

the leader1 dead using 329

the leader1 dead using 329

the leader1 dead using 329

the leader1 dead using 329

Number of cycles run: 4456

the leader1 dead using 1545

the leader1 dead using 1545

the leader1 dead using 1545

Number of cycles run: 10384

the leader1 dead using 16131

Number of cycles run: 50000

the leader1 dead using 1349

Number of cycles run: 4080

Number of cycles run: 50000

the leader1 dead using 276

the leader1 dead using 276

Number of cycles run: 3131

the leader1 dead using 47105

the leader1 dead using 47105

Number of cycles run: 47833

the leader1 dead using 2631

the leader1 dead using 2631

Number of cycles run: 4308

the leader1 dead using 311

the leader1 dead using 311

Number of cycles run: 4107

the leader1 dead using 5232

the leader1 dead using 5232

the leader1 dead using 5232

the leader1 dead using 5232

the leader1 dead using 5232

Number of cycles run: 11229

the leader1 dead using 1816

the leader1 dead using 1816

the leader1 dead using 1816

Number of cycles run: 2635

the leader1 dead using 158

the leader1 dead using 158

the leader1 dead using 158

Number of cycles run: 3929

the leader1 dead using 623

the leader1 dead using 623

Number of cycles run: 5917

the leader1 dead using 326

the leader1 dead using 326

the leader1 dead using 326

Number of cycles run: 4668

the leader1 dead using 615

Number of cycles run: 4683

the leader1 dead using 294

Number of cycles run: 3593

Number of cycles run: 24510

the leader1 dead using 427

the leader1 dead using 427

the leader1 dead using 427

Number of cycles run: 4608

the leader1 dead using 720

the leader1 dead using 720

Number of cycles run: 4760

the leader1 dead using 3960

Number of cycles run: 4389

the leader1 dead using 313

the leader1 dead using 313

Number of cycles run: 6392

the leader1 dead using 2482

Number of cycles run: 3621

the leader1 dead using 1637

the leader1 dead using 1637

the leader1 dead using 1637

the leader1 dead using 1637

Number of cycles run: 4648

Number of cycles run: 45680

the leader1 dead using 2076

the leader1 dead using 2076

Number of cycles run: 3394

Number of cycles run: 50000

the leader1 dead using 178

the leader1 dead using 178

Number of cycles run: 33682

the leader1 dead using 971

the leader1 dead using 971

Number of cycles run: 5058

the leader1 dead using 849

the leader1 dead using 849

the leader1 dead using 849

Number of cycles run: 2435

the leader1 dead using 588

the leader1 dead using 588

Number of cycles run: 3564

Number of cycles run: 46656

the leader1 dead using 355

Number of cycles run: 4374

the leader1 dead using 268

Number of cycles run: 50000

the leader1 dead using 9420

the leader1 dead using 9420

Number of cycles run: 10117

the leader1 dead using 1151

the leader1 dead using 1151

the leader1 dead using 1151

the leader1 dead using 1151

Number of cycles run: 3586

the leader1 dead using 1829

Number of cycles run: 39524

Av cycles for leadership strength 3.0 is 15370

standard diviation is 17850.662254

Testing average cycles for leadership strength 3.0

the leader1 dead using 715

the leader1 dead using 715

the leader1 dead using 715

Number of cycles run: 50000

the leader1 dead using 737

the leader1 dead using 737

Number of cycles run: 5268

the leader1 dead using 411

the leader1 dead using 411

Number of cycles run: 5230

the leader1 dead using 335

the leader1 dead using 335

Number of cycles run: 7047

the leader1 dead using 1641

the leader1 dead using 1641

Number of cycles run: 3131

the leader1 dead using 973

Number of cycles run: 11715

the leader1 dead using 746

Number of cycles run: 4426

the leader1 dead using 428

the leader1 dead using 428

Number of cycles run: 50000

the leader1 dead using 5846

the leader1 dead using 5846

Number of cycles run: 6902

Number of cycles run: 3776

the leader1 dead using 3333

Number of cycles run: 4632

the leader1 dead using 2244

Number of cycles run: 3786

the leader1 dead using 305

Number of cycles run: 50000

the leader1 dead using 390

Number of cycles run: 5404

the leader1 dead using 393

the leader1 dead using 393

the leader1 dead using 393

Number of cycles run: 50000

Number of cycles run: 50000

the leader1 dead using 28039

the leader1 dead using 28039

Number of cycles run: 30624

the leader1 dead using 6644

Number of cycles run: 7476

the leader1 dead using 259

the leader1 dead using 259

the leader1 dead using 259

Number of cycles run: 4049

the leader1 dead using 525

the leader1 dead using 525

the leader1 dead using 525

the leader1 dead using 525

the leader1 dead using 525

Number of cycles run: 2784

the leader1 dead using 1959

the leader1 dead using 1959

Number of cycles run: 4247

the leader1 dead using 465

the leader1 dead using 465

the leader1 dead using 465

Number of cycles run: 50000

the leader1 dead using 1174

Number of cycles run: 2623

Number of cycles run: 28450

the leader1 dead using 385

the leader1 dead using 385

the leader1 dead using 385

Number of cycles run: 37431

the leader1 dead using 481

Number of cycles run: 28384

the leader1 dead using 329

the leader1 dead using 329

the leader1 dead using 329

the leader1 dead using 329

the leader1 dead using 329

Number of cycles run: 50000

the leader1 dead using 249

Number of cycles run: 6858

the leader1 dead using 2282

Number of cycles run: 50000

Number of cycles run: 23161

Number of cycles run: 50000

the leader1 dead using 8053

Number of cycles run: 10409

the leader1 dead using 363

the leader1 dead using 363

Number of cycles run: 50000

the leader1 dead using 768

Number of cycles run: 50000

the leader1 dead using 374

the leader1 dead using 374

Number of cycles run: 2208

the leader1 dead using 333

the leader1 dead using 333

Number of cycles run: 4396

the leader1 dead using 332

the leader1 dead using 332

Number of cycles run: 3418

the leader1 dead using 232

the leader1 dead using 232

Number of cycles run: 6312

the leader1 dead using 302

the leader1 dead using 302

Number of cycles run: 4654

the leader1 dead using 1115

the leader1 dead using 1115

the leader1 dead using 1115

Number of cycles run: 4975

the leader1 dead using 1627

the leader1 dead using 1627

Number of cycles run: 7674

the leader1 dead using 569

the leader1 dead using 569

the leader1 dead using 569

Number of cycles run: 5988

the leader1 dead using 32358

Number of cycles run: 33707

the leader1 dead using 199

Number of cycles run: 32006

the leader1 dead using 1161

the leader1 dead using 1161

Number of cycles run: 4077

the leader1 dead using 257

Number of cycles run: 5265

the leader1 dead using 196

the leader1 dead using 196

the leader1 dead using 196

Number of cycles run: 39691

the leader1 dead using 312

the leader1 dead using 312

the leader1 dead using 312

Number of cycles run: 5432

the leader1 dead using 2246

the leader1 dead using 2246

Number of cycles run: 3719

the leader1 dead using 296

the leader1 dead using 296

the leader1 dead using 296

Number of cycles run: 3565

Av cycles for leadership strength 3.0 is 19298

standard diviation is 19209.6729885

Testing average cycles for leadership strength 3.0

the leader1 dead using 289

Number of cycles run: 8514

the leader1 dead using 336

the leader1 dead using 336

Number of cycles run: 50000

the leader1 dead using 15567

the leader1 dead using 15567

the leader1 dead using 15567

the leader1 dead using 15567

Number of cycles run: 30333

the leader1 dead using 1019

Number of cycles run: 4063

Number of cycles run: 50000

the leader1 dead using 3620

the leader1 dead using 3620

the leader1 dead using 3620

the leader1 dead using 3620

the leader1 dead using 3620

Number of cycles run: 7332

the leader1 dead using 358

Number of cycles run: 5339

the leader1 dead using 3269

the leader1 dead using 3269

Number of cycles run: 4362

Number of cycles run: 50000

the leader1 dead using 200

Number of cycles run: 50000

the leader1 dead using 425

Number of cycles run: 18065

the leader1 dead using 1452

the leader1 dead using 1452

Number of cycles run: 2962

the leader1 dead using 310

the leader1 dead using 310

the leader1 dead using 310

the leader1 dead using 310

Number of cycles run: 9220

the leader1 dead using 455

the leader1 dead using 455

the leader1 dead using 455

the leader1 dead using 455

the leader1 dead using 455

the leader1 dead using 455

Number of cycles run: 3791

the leader1 dead using 261

Number of cycles run: 7083

the leader1 dead using 330

the leader1 dead using 330

Number of cycles run: 4210

the leader1 dead using 762

Number of cycles run: 4453

the leader1 dead using 298

the leader1 dead using 298

Number of cycles run: 4907

the leader1 dead using 257

the leader1 dead using 257

Number of cycles run: 4326

the leader1 dead using 371

Number of cycles run: 19264

Number of cycles run: 50000

the leader1 dead using 218

the leader1 dead using 218

Number of cycles run: 48699

the leader1 dead using 373

the leader1 dead using 373

Number of cycles run: 3237

the leader1 dead using 322

Number of cycles run: 4408

the leader1 dead using 430

the leader1 dead using 430

the leader1 dead using 430

the leader1 dead using 430

Number of cycles run: 3390

the leader1 dead using 2753

Number of cycles run: 4691

the leader1 dead using 346

Number of cycles run: 2689

the leader1 dead using 1103

the leader1 dead using 1103

the leader1 dead using 1103

the leader1 dead using 1103

Number of cycles run: 3050

Number of cycles run: 24746

the leader1 dead using 477

the leader1 dead using 477

Number of cycles run: 50000

the leader1 dead using 341

the leader1 dead using 341

the leader1 dead using 341

Number of cycles run: 4081

the leader1 dead using 300

the leader1 dead using 300

the leader1 dead using 300

the leader1 dead using 300

Number of cycles run: 13790

the leader1 dead using 265

the leader1 dead using 265

Number of cycles run: 7739

the leader1 dead using 274

the leader1 dead using 274

Number of cycles run: 24240

the leader1 dead using 672

the leader1 dead using 672

Number of cycles run: 5301

the leader1 dead using 407

the leader1 dead using 407

the leader1 dead using 407

Number of cycles run: 17225

Number of cycles run: 50000

the leader1 dead using 257

the leader1 dead using 257

the leader1 dead using 257

Number of cycles run: 4823

the leader1 dead using 4711

the leader1 dead using 4711

Number of cycles run: 6344

the leader1 dead using 1030

the leader1 dead using 1030

Number of cycles run: 5929

the leader1 dead using 719

the leader1 dead using 719

the leader1 dead using 719

the leader1 dead using 719

Number of cycles run: 6843

Number of cycles run: 23325

the leader1 dead using 4206

the leader1 dead using 4206

Number of cycles run: 5409

the leader1 dead using 242

the leader1 dead using 242

the leader1 dead using 242

Number of cycles run: 5687

the leader1 dead using 579

the leader1 dead using 579

the leader1 dead using 579

Number of cycles run: 7542

the leader1 dead using 1852

the leader1 dead using 1852

Number of cycles run: 3663

the leader1 dead using 934

the leader1 dead using 934

the leader1 dead using 934

Number of cycles run: 2480

the leader1 dead using 352

the leader1 dead using 352

Number of cycles run: 37019

Number of cycles run: 50000

the leader1 dead using 361

Number of cycles run: 50000

Av cycles for leadership strength 3.0 is 17291

standard diviation is 18091.441356

Testing average cycles for leadership strength 3.0

the leader1 dead using 9661

the leader1 dead using 9661

the leader1 dead using 9661

Number of cycles run: 11702

the leader1 dead using 265

Number of cycles run: 50000

Number of cycles run: 19564

the leader1 dead using 2949

the leader1 dead using 2949

Number of cycles run: 3978

the leader1 dead using 590

the leader1 dead using 590

Number of cycles run: 4319

Number of cycles run: 31165

the leader1 dead using 262

the leader1 dead using 262

the leader1 dead using 262

Number of cycles run: 8631

the leader1 dead using 1298

Number of cycles run: 3288

the leader1 dead using 763

Number of cycles run: 5460

the leader1 dead using 206

the leader1 dead using 206

Number of cycles run: 6163

Number of cycles run: 37369

the leader1 dead using 224

Number of cycles run: 5413

the leader1 dead using 550

Number of cycles run: 23798

the leader1 dead using 177

the leader1 dead using 177

Number of cycles run: 5719

the leader1 dead using 522

the leader1 dead using 522

the leader1 dead using 522

Number of cycles run: 21251

the leader1 dead using 763

Number of cycles run: 4146

Number of cycles run: 50000

the leader1 dead using 310

the leader1 dead using 310

the leader1 dead using 310

the leader1 dead using 310

the leader1 dead using 310

Number of cycles run: 50000

Number of cycles run: 5816

the leader1 dead using 486

Number of cycles run: 50000

the leader1 dead using 1299

the leader1 dead using 1299

the leader1 dead using 1299

Number of cycles run: 3101

the leader1 dead using 283

Number of cycles run: 4565

the leader1 dead using 252

the leader1 dead using 252

Number of cycles run: 3902

the leader1 dead using 1918

Number of cycles run: 3983

the leader1 dead using 9223

Number of cycles run: 10622

the leader1 dead using 360

the leader1 dead using 360

Number of cycles run: 3205

the leader1 dead using 434

the leader1 dead using 434

Number of cycles run: 3147

the leader1 dead using 4732

Number of cycles run: 4732

the leader1 dead using 284

the leader1 dead using 284

Number of cycles run: 8409

the leader1 dead using 29086

Number of cycles run: 29086

the leader1 dead using 297

Number of cycles run: 2322

the leader1 dead using 351

the leader1 dead using 351

the leader1 dead using 351

Number of cycles run: 29275

the leader1 dead using 625

the leader1 dead using 625

Number of cycles run: 5897

the leader1 dead using 1179

the leader1 dead using 1179

the leader1 dead using 1179

Number of cycles run: 3984

the leader1 dead using 10068

the leader1 dead using 10068

Number of cycles run: 12195

the leader1 dead using 2980

Number of cycles run: 3126

the leader1 dead using 751

Number of cycles run: 4580

the leader1 dead using 19345

the leader1 dead using 19345

the leader1 dead using 19345

the leader1 dead using 19345

the leader1 dead using 19345

Number of cycles run: 25675

the leader1 dead using 2445

the leader1 dead using 2445

the leader1 dead using 2445

the leader1 dead using 2445

Number of cycles run: 3976

the leader1 dead using 4549

the leader1 dead using 4549

the leader1 dead using 4549

the leader1 dead using 4549

Number of cycles run: 6480

the leader1 dead using 429

Number of cycles run: 8370

the leader1 dead using 14340

Number of cycles run: 15118

the leader1 dead using 6782

the leader1 dead using 6782

the leader1 dead using 6782

the leader1 dead using 6782

Number of cycles run: 15608

Number of cycles run: 50000

the leader1 dead using 329

the leader1 dead using 329

Number of cycles run: 40593

the leader1 dead using 278

Number of cycles run: 4102

the leader1 dead using 371

the leader1 dead using 371

Number of cycles run: 4531

the leader1 dead using 254

the leader1 dead using 254

the leader1 dead using 254

Number of cycles run: 21482

the leader1 dead using 1222

the leader1 dead using 1222

Number of cycles run: 2473

Number of cycles run: 32534

Av cycles for leadership strength 3.0 is 15297

standard diviation is 15453.9975784

Testing average cycles for leadership strength 3.0

the leader1 dead using 535

the leader1 dead using 535

the leader1 dead using 535

Number of cycles run: 3351

the leader1 dead using 289

the leader1 dead using 289

Number of cycles run: 50000

the leader1 dead using 291

the leader1 dead using 291

the leader1 dead using 291

Number of cycles run: 5958

Number of cycles run: 50000

the leader1 dead using 267

the leader1 dead using 267

Number of cycles run: 5237

Number of cycles run: 29386

the leader1 dead using 3048

Number of cycles run: 3475

the leader1 dead using 2402

the leader1 dead using 2402

Number of cycles run: 5548

the leader1 dead using 272

the leader1 dead using 272

Number of cycles run: 31650

the leader1 dead using 10344

the leader1 dead using 10344

the leader1 dead using 10344

Number of cycles run: 12129

the leader1 dead using 209

the leader1 dead using 209

Number of cycles run: 9772

the leader1 dead using 203

the leader1 dead using 203

the leader1 dead using 203

the leader1 dead using 203

Number of cycles run: 4730

the leader1 dead using 249

Number of cycles run: 50000

the leader1 dead using 354

the leader1 dead using 354

the leader1 dead using 354

Number of cycles run: 17170

the leader1 dead using 292

the leader1 dead using 292

Number of cycles run: 50000

the leader1 dead using 413

Number of cycles run: 50000

the leader1 dead using 778

the leader1 dead using 778

the leader1 dead using 778

the leader1 dead using 778

Number of cycles run: 5087

the leader1 dead using 650

the leader1 dead using 650

Number of cycles run: 6643

the leader1 dead using 7598

the leader1 dead using 7598

Number of cycles run: 50000

the leader1 dead using 373

Testing average cycles for leadership strength 3.0

the leader1 dead using 791

the leader1 dead using 791

the leader1 dead using 791

the leader1 dead using 791

Number of cycles run: 3744

the leader1 dead using 15510

Number of cycles run: 30622

Number of cycles run: 27226

the leader1 dead using 397

the leader1 dead using 397

Number of cycles run: 3789

the leader1 dead using 324

Number of cycles run: 9700

the leader1 dead using 414

the leader1 dead using 414

Number of cycles run: 7009

Number of cycles run: 5049

the leader1 dead using 223

the leader1 dead using 223

the leader1 dead using 223

the leader1 dead using 223

Number of cycles run: 2780

Number of cycles run: 44481

Number of cycles run: 50000

the leader1 dead using 973

the leader1 dead using 973

Number of cycles run: 2737

the leader1 dead using 264

Number of cycles run: 30219

the leader1 dead using 572

Number of cycles run: 3912

the leader1 dead using 1458

the leader1 dead using 1458

Number of cycles run: 4172

the leader1 dead using 479

the leader1 dead using 479

the leader1 dead using 479

Number of cycles run: 12480

the leader1 dead using 245

the leader1 dead using 245

Number of cycles run: 14352

the leader1 dead using 3854

the leader1 dead using 3854

the leader1 dead using 3854

Number of cycles run: 6006

the leader1 dead using 229

the leader1 dead using 229

Number of cycles run: 33758

the leader1 dead using 428

Number of cycles run: 5301

the leader1 dead using 984

the leader1 dead using 984

Number of cycles run: 7817

the leader1 dead using 343

the leader1 dead using 343

Number of cycles run: 45847

the leader1 dead using 3613

the leader1 dead using 3613

the leader1 dead using 3613

Number of cycles run: 4436

the leader1 dead using 2549

the leader1 dead using 2549

Number of cycles run: 7568

the leader1 dead using 232

Number of cycles run: 6126

the leader1 dead using 207

Number of cycles run: 50000

the leader1 dead using 642

the leader1 dead using 642

the leader1 dead using 642

Number of cycles run: 4639

the leader1 dead using 335

Number of cycles run: 13692

Number of cycles run: 34536

the leader1 dead using 17028

the leader1 dead using 17028

Number of cycles run: 32676

the leader1 dead using 17004

Number of cycles run: 42199

the leader1 dead using 1068

the leader1 dead using 1068

the leader1 dead using 1068

the leader1 dead using 1068

the leader1 dead using 1068

Number of cycles run: 5444

the leader1 dead using 232

the leader1 dead using 232

Number of cycles run: 4254

Number of cycles run: 50000

the leader1 dead using 11996

the leader1 dead using 11996

the leader1 dead using 11996

Number of cycles run: 13178

the leader1 dead using 1092

the leader1 dead using 1092

the leader1 dead using 1092

the leader1 dead using 1092

Number of cycles run: 3107

the leader1 dead using 808

Number of cycles run: 4107

the leader1 dead using 1409

Number of cycles run: 3481

the leader1 dead using 413

the leader1 dead using 413

Number of cycles run: 21290

the leader1 dead using 595

the leader1 dead using 595

Number of cycles run: 3791

the leader1 dead using 1482

Number of cycles run: 2960

the leader1 dead using 449

the leader1 dead using 449

Number of cycles run: 5301

the leader1 dead using 545

the leader1 dead using 545

Number of cycles run: 5948

Number of cycles run: 18529

the leader1 dead using 4506

the leader1 dead using 4506

Number of cycles run: 5524

the leader1 dead using 813

Number of cycles run: 4568

the leader1 dead using 2352

the leader1 dead using 2352

Number of cycles run: 3219

the leader1 dead using 8080

Number of cycles run: 45976

the leader1 dead using 732

Number of cycles run: 22801

the leader1 dead using 353

Number of cycles run: 50000

the leader1 dead using 865

the leader1 dead using 865

the leader1 dead using 865

Number of cycles run: 3458

Av cycles for leadership strength 3.0 is 16476

standard diviation is 16404.5467996

Testing average cycles for leadership strength 3.0

the leader1 dead using 426

Number of cycles run: 4594

Number of cycles run: 50000

the leader1 dead using 219

the leader1 dead using 219

the leader1 dead using 219

the leader1 dead using 219

Number of cycles run: 4149

the leader1 dead using 344

the leader1 dead using 344

Number of cycles run: 12744

the leader1 dead using 457

Number of cycles run: 21154

the leader1 dead using 2296

Number of cycles run: 3629

the leader1 dead using 250

Number of cycles run: 50000

the leader1 dead using 1877

Number of cycles run: 4683

the leader1 dead using 1228

the leader1 dead using 1228

Number of cycles run: 3109

the leader1 dead using 248

the leader1 dead using 248

the leader1 dead using 248

Number of cycles run: 6065

Number of cycles run: 38551

the leader1 dead using 403

the leader1 dead using 403

the leader1 dead using 403

Number of cycles run: 10652

the leader1 dead using 392

the leader1 dead using 392

the leader1 dead using 392

the leader1 dead using 392

Number of cycles run: 4209

the leader1 dead using 683

Number of cycles run: 11701

the leader1 dead using 321

the leader1 dead using 321

Number of cycles run: 4669

Number of cycles run: 3735

the leader1 dead using 903

the leader1 dead using 903

Number of cycles run: 5902

the leader1 dead using 248

Number of cycles run: 17627

the leader1 dead using 1531

the leader1 dead using 1531

the leader1 dead using 1531

Number of cycles run: 3329

the leader1 dead using 324

the leader1 dead using 324

Number of cycles run: 3414

Number of cycles run: 50000

the leader1 dead using 3447

the leader1 dead using 3447

the leader1 dead using 3447

Number of cycles run: 5818

the leader1 dead using 13730

Number of cycles run: 18347

the leader1 dead using 3028

Number of cycles run: 4474

the leader1 dead using 3242

Number of cycles run: 4272

the leader1 dead using 293

Number of cycles run: 4108

the leader1 dead using 716

the leader1 dead using 716

the leader1 dead using 716

Number of cycles run: 4211

the leader1 dead using 2501

the leader1 dead using 2501

the leader1 dead using 2501

Number of cycles run: 4214

the leader1 dead using 264

Number of cycles run: 50000

the leader1 dead using 1888

the leader1 dead using 1888

Number of cycles run: 4713

the leader1 dead using 524

the leader1 dead using 524

the leader1 dead using 524

the leader1 dead using 524

the leader1 dead using 524

Number of cycles run: 4519

Number of cycles run: 50000

the leader1 dead using 372

the leader1 dead using 372

Number of cycles run: 5873

the leader1 dead using 379

Number of cycles run: 4196

the leader1 dead using 265

Number of cycles run: 50000

the leader1 dead using 260

Number of cycles run: 20591

the leader1 dead using 857

Number of cycles run: 5908

the leader1 dead using 747

the leader1 dead using 747

the leader1 dead using 747

Number of cycles run: 2125

the leader1 dead using 351

the leader1 dead using 351

Number of cycles run: 4405

the leader1 dead using 26396

Number of cycles run: 26396

the leader1 dead using 781

the leader1 dead using 781

Number of cycles run: 3501

the leader1 dead using 2176

Number of cycles run: 3653

the leader1 dead using 839

the leader1 dead using 839

Number of cycles run: 18397

the leader1 dead using 1075

the leader1 dead using 1075

the leader1 dead using 1075

the leader1 dead using 1075

Number of cycles run: 2881

the leader1 dead using 7583

the leader1 dead using 7583

Number of cycles run: 9590

the leader1 dead using 624

Number of cycles run: 4708

the leader1 dead using 233

Number of cycles run: 4330

Number of cycles run: 3835

the leader1 dead using 286

the leader1 dead using 286

the leader1 dead using 286

Number of cycles run: 50000

the leader1 dead using 922

the leader1 dead using 922

Number of cycles run: 14738

Av cycles for leadership strength 3.0 is 14074

standard diviation is 16260.7614739

Testing average cycles for leadership strength 3.0

the leader1 dead using 1075

Number of cycles run: 4553

the leader1 dead using 786

Number of cycles run: 6548

the leader1 dead using 408

the leader1 dead using 408

Number of cycles run: 50000

the leader1 dead using 342

the leader1 dead using 342

Number of cycles run: 4843

the leader1 dead using 334

Number of cycles run: 21880

the leader1 dead using 392

the leader1 dead using 392

Number of cycles run: 20911

the leader1 dead using 259

the leader1 dead using 259

Number of cycles run: 6692

the leader1 dead using 456

the leader1 dead using 456

the leader1 dead using 456

Number of cycles run: 4183

Number of cycles run: 50000

the leader1 dead using 3851

the leader1 dead using 3851

the leader1 dead using 3851

the leader1 dead using 3851

Number of cycles run: 4864

the leader1 dead using 1504

the leader1 dead using 1504

Number of cycles run: 2969

the leader1 dead using 8268

the leader1 dead using 8268

Number of cycles run: 8989

the leader1 dead using 6637

Number of cycles run: 6637

the leader1 dead using 319

Number of cycles run: 4565

the leader1 dead using 206

the leader1 dead using 206

Number of cycles run: 50000

the leader1 dead using 636

the leader1 dead using 636

the leader1 dead using 636

Number of cycles run: 3279

the leader1 dead using 2135

the leader1 dead using 2135

the leader1 dead using 2135

the leader1 dead using 2135

the leader1 dead using 2135

Number of cycles run: 3854

Number of cycles run: 50000

Number of cycles run: 50000

the leader1 dead using 327

the leader1 dead using 327

the leader1 dead using 327

the leader1 dead using 327

Number of cycles run: 6302

the leader1 dead using 238

the leader1 dead using 238

Number of cycles run: 50000

the leader1 dead using 244

the leader1 dead using 244

the leader1 dead using 244

Number of cycles run: 37396

the leader1 dead using 234

the leader1 dead using 234

Number of cycles run: 5372

the leader1 dead using 4174

the leader1 dead using 4174

Number of cycles run: 7077

the leader1 dead using 405

the leader1 dead using 405

the leader1 dead using 405

Number of cycles run: 5719

the leader1 dead using 356

Number of cycles run: 3819

the leader1 dead using 12249

the leader1 dead using 12249

Number of cycles run: 15398

the leader1 dead using 663

the leader1 dead using 663

the leader1 dead using 663

Number of cycles run: 6075

the leader1 dead using 282

the leader1 dead using 282

the leader1 dead using 282

Number of cycles run: 8423

the leader1 dead using 35294

the leader1 dead using 35294

Number of cycles run: 50000

the leader1 dead using 6608

the leader1 dead using 6608

Number of cycles run: 8496

the leader1 dead using 259

Number of cycles run: 27508

the leader1 dead using 236

the leader1 dead using 236

Number of cycles run: 8008

the leader1 dead using 748

Number of cycles run: 3183

the leader1 dead using 1946

Number of cycles run: 3688

Number of cycles run: 7545

the leader1 dead using 2903

the leader1 dead using 2903

the leader1 dead using 2903

the leader1 dead using 2903

Number of cycles run: 4300

Number of cycles run: 50000

the leader1 dead using 338

the leader1 dead using 338

Number of cycles run: 10174

the leader1 dead using 223

the leader1 dead using 223

the leader1 dead using 223

Number of cycles run: 6476

the leader1 dead using 3127

the leader1 dead using 3127

Number of cycles run: 4340

the leader1 dead using 11010

the leader1 dead using 11010

the leader1 dead using 11010

the leader1 dead using 11010

the leader1 dead using 11010

Number of cycles run: 18513

Number of cycles run: 50000

the leader1 dead using 288

Number of cycles run: 3253

Number of cycles run: 4719

the leader1 dead using 1181

the leader1 dead using 1181

Number of cycles run: 5050

the leader1 dead using 292

Number of cycles run: 44860

Number of cycles run: 50000

Number of cycles run: 50000

Number of cycles run: 50000

Av cycles for leadership strength 3.0 is 19209

standard diviation is 19324.6739923

Testing average cycles for leadership strength 3.0

the leader1 dead using 938

Number of cycles run: 4561

the leader1 dead using 3019

Number of cycles run: 4170

the leader1 dead using 233

Number of cycles run: 6759

the leader1 dead using 4598

Number of cycles run: 6140

the leader1 dead using 10868

Number of cycles run: 19910

the leader1 dead using 900

the leader1 dead using 900

the leader1 dead using 900

the leader1 dead using 900

the leader1 dead using 900

Number of cycles run: 3477

the leader1 dead using 1973

the leader1 dead using 1973

Number of cycles run: 50000

the leader1 dead using 1115

Number of cycles run: 5170

the leader1 dead using 475

the leader1 dead using 475

the leader1 dead using 475

the leader1 dead using 475

the leader1 dead using 475

Number of cycles run: 5747

the leader1 dead using 1204

the leader1 dead using 1204

Number of cycles run: 3369

the leader1 dead using 2644

Number of cycles run: 3298

the leader1 dead using 913

Number of cycles run: 9199

the leader1 dead using 1472

Number of cycles run: 2720

the leader1 dead using 228

Number of cycles run: 50000

the leader1 dead using 3134

the leader1 dead using 3134

the leader1 dead using 3134

Number of cycles run: 5464