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\_4.0.py idle

Testing average cycles for leadership strength 4.0

the leader1 dead using 1011

Number of cycles run: 1448

the leader1 dead using 452

the leader1 dead using 452

Number of cycles run: 1596

the leader1 dead using 218

Number of cycles run: 1135

the leader1 dead using 494

the leader1 dead using 494

Number of cycles run: 18488

the leader1 dead using 1895

the leader1 dead using 1895

Number of cycles run: 2333

the leader1 dead using 3641

Number of cycles run: 3919

the leader1 dead using 4334

Number of cycles run: 4475

the leader1 dead using 762

Number of cycles run: 965

the leader1 dead using 160

the leader1 dead using 160

the leader1 dead using 160

Number of cycles run: 8560

the leader1 dead using 141

the leader1 dead using 141

the leader1 dead using 141

the leader1 dead using 141

Number of cycles run: 1193

the leader1 dead using 376

the leader1 dead using 376

the leader1 dead using 376

the leader1 dead using 376

the leader1 dead using 376

Number of cycles run: 3302

the leader1 dead using 203

the leader1 dead using 203

Number of cycles run: 1569

the leader1 dead using 377

the leader1 dead using 377

Number of cycles run: 874

Number of cycles run: 50000

the leader1 dead using 263

the leader1 dead using 263

the leader1 dead using 263

Number of cycles run: 4498

the leader1 dead using 604

Number of cycles run: 959

the leader1 dead using 172

the leader1 dead using 172

the leader1 dead using 172

the leader1 dead using 172

Number of cycles run: 15136

the leader1 dead using 1379

Number of cycles run: 1816

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: 3927

the leader1 dead using 309

the leader1 dead using 309

the leader1 dead using 309

the leader1 dead using 309

Number of cycles run: 3066

the leader1 dead using 233

Number of cycles run: 50000

Number of cycles run: 2851

the leader1 dead using 659

the leader1 dead using 659

the leader1 dead using 659

the leader1 dead using 659

the leader1 dead using 659

Number of cycles run: 2843

the leader1 dead using 205

the leader1 dead using 205

Number of cycles run: 5826

the leader1 dead using 615

the leader1 dead using 615

the leader1 dead using 615

the leader1 dead using 615

the leader1 dead using 615

Number of cycles run: 1008

the leader1 dead using 1130

the leader1 dead using 1130

Number of cycles run: 2224

the leader1 dead using 455

the leader1 dead using 455

Number of cycles run: 2851

the leader1 dead using 460

Number of cycles run: 3496

the leader1 dead using 532

Number of cycles run: 1158

the leader1 dead using 2195

the leader1 dead using 2195

the leader1 dead using 2195

Number of cycles run: 2500

the leader1 dead using 308

Number of cycles run: 50000

the leader1 dead using 3079

the leader1 dead using 3079

the leader1 dead using 3079

Number of cycles run: 3680

the leader1 dead using 242

the leader1 dead using 242

the leader1 dead using 242

Number of cycles run: 975

the leader1 dead using 225

the leader1 dead using 225

Number of cycles run: 1251

the leader1 dead using 273

the leader1 dead using 273

the leader1 dead using 273

Number of cycles run: 1815

the leader1 dead using 708

the leader1 dead using 708

Number of cycles run: 1347

the leader1 dead using 259

the leader1 dead using 259

Number of cycles run: 1085

the leader1 dead using 2713

the leader1 dead using 2713

the leader1 dead using 2713

the leader1 dead using 2713

Number of cycles run: 3314

the leader1 dead using 16252

the leader1 dead using 16252

Number of cycles run: 50000

the leader1 dead using 188

Number of cycles run: 1858

the leader1 dead using 1160

Number of cycles run: 13500

the leader1 dead using 462

the leader1 dead using 462

Number of cycles run: 1478

the leader1 dead using 531

the leader1 dead using 531

the leader1 dead using 531

Number of cycles run: 2964

the leader1 dead using 3868

the leader1 dead using 3868

Number of cycles run: 4103

the leader1 dead using 165

the leader1 dead using 165

the leader1 dead using 165

Number of cycles run: 772

the leader1 dead using 251

the leader1 dead using 251

the leader1 dead using 251

the leader1 dead using 251

the leader1 dead using 251

Number of cycles run: 5478

the leader1 dead using 3282

Number of cycles run: 4215

the leader1 dead using 505

the leader1 dead using 505

Number of cycles run: 3118

the leader1 dead using 190

the leader1 dead using 190

the leader1 dead using 190

the leader1 dead using 190

the leader1 dead using 190

Number of cycles run: 2014

Av cycles for leadership strength 4.0 is 8139

standard diviation is 14524.453096

Testing average cycles for leadership strength 4.0

Number of cycles run: 50000

the leader1 dead using 1707

the leader1 dead using 1707

Number of cycles run: 2091

the leader1 dead using 246

the leader1 dead using 246

the leader1 dead using 246

the leader1 dead using 246

Number of cycles run: 1341

the leader1 dead using 3098

the leader1 dead using 3098

Number of cycles run: 3261

the leader1 dead using 785

Number of cycles run: 1223

the leader1 dead using 262

the leader1 dead using 262

the leader1 dead using 262

the leader1 dead using 262

Number of cycles run: 3610

the leader1 dead using 310

the leader1 dead using 310

the leader1 dead using 310

Number of cycles run: 30470

the leader1 dead using 2242

the leader1 dead using 2242

Number of cycles run: 2571

the leader1 dead using 1018

the leader1 dead using 1018

the leader1 dead using 1018

the leader1 dead using 1018

Number of cycles run: 1502

the leader1 dead using 136

the leader1 dead using 136

Number of cycles run: 1627

the leader1 dead using 225

the leader1 dead using 225

the leader1 dead using 225

the leader1 dead using 225

the leader1 dead using 225

Number of cycles run: 4575

the leader1 dead using 1915

Number of cycles run: 8236

the leader1 dead using 237

the leader1 dead using 237

Number of cycles run: 1575

the leader1 dead using 438

Number of cycles run: 50000

the leader1 dead using 402

Number of cycles run: 50000

the leader1 dead using 262

the leader1 dead using 262

Number of cycles run: 12674

the leader1 dead using 487

Number of cycles run: 7041

the leader1 dead using 1026

the leader1 dead using 1026

the leader1 dead using 1026

the leader1 dead using 1026

Number of cycles run: 2120

the leader1 dead using 717

the leader1 dead using 717

Number of cycles run: 2292

the leader1 dead using 492

Number of cycles run: 50000

Number of cycles run: 50000

the leader1 dead using 226

the leader1 dead using 226

Number of cycles run: 50000

the leader1 dead using 199

Number of cycles run: 1628

the leader1 dead using 690

Number of cycles run: 1153

the leader1 dead using 35935

the leader1 dead using 35935

Number of cycles run: 36114

the leader1 dead using 2904

the leader1 dead using 2904

the leader1 dead using 2904

the leader1 dead using 2904

Number of cycles run: 3168

the leader1 dead using 387

the leader1 dead using 387

the leader1 dead using 387

Number of cycles run: 1726

the leader1 dead using 1085

the leader1 dead using 1085

Number of cycles run: 2676

the leader1 dead using 282

Number of cycles run: 1596

the leader1 dead using 459

the leader1 dead using 459

the leader1 dead using 459

Number of cycles run: 1091

the leader1 dead using 1176

Number of cycles run: 1561

the leader1 dead using 301

the leader1 dead using 301

Number of cycles run: 3034

the leader1 dead using 291

the leader1 dead using 291

the leader1 dead using 291

Number of cycles run: 837

the leader1 dead using 227

the leader1 dead using 227

the leader1 dead using 227

the leader1 dead using 227

the leader1 dead using 227

Number of cycles run: 1390

the leader1 dead using 436

the leader1 dead using 436

Number of cycles run: 1060

the leader1 dead using 204

the leader1 dead using 204

Number of cycles run: 1091

the leader1 dead using 150

the leader1 dead using 150

the leader1 dead using 150

the leader1 dead using 150

Number of cycles run: 11241

the leader1 dead using 2363

Number of cycles run: 2639

the leader1 dead using 6568

the leader1 dead using 6568

the leader1 dead using 6568

the leader1 dead using 6568

Number of cycles run: 6881

the leader1 dead using 323

the leader1 dead using 323

Number of cycles run: 6745

the leader1 dead using 248

the leader1 dead using 248

Number of cycles run: 889

the leader1 dead using 159

the leader1 dead using 159

Number of cycles run: 800

the leader1 dead using 705

the leader1 dead using 705

the leader1 dead using 705

the leader1 dead using 705

the leader1 dead using 705

Number of cycles run: 1077

Number of cycles run: 49846

the leader1 dead using 251

the leader1 dead using 251

Number of cycles run: 26283

the leader1 dead using 4629

the leader1 dead using 4629

the leader1 dead using 4629

the leader1 dead using 4629

Number of cycles run: 6048

the leader1 dead using 282

Number of cycles run: 50000

Number of cycles run: 4838

the leader1 dead using 1164

the leader1 dead using 1164

Number of cycles run: 1762

the leader1 dead using 200

Number of cycles run: 2083

Av cycles for leadership strength 4.0 is 12309

standard diviation is 18085.2876969

Testing average cycles for leadership strength 4.0

the leader1 dead using 645

Number of cycles run: 2233

Number of cycles run: 8541

Number of cycles run: 10915

the leader1 dead using 757

the leader1 dead using 757

the leader1 dead using 757

the leader1 dead using 757

Number of cycles run: 1248

the leader1 dead using 227

the leader1 dead using 227

the leader1 dead using 227

Number of cycles run: 6247

the leader1 dead using 213

Number of cycles run: 1082

the leader1 dead using 247

Number of cycles run: 3063

the leader1 dead using 210

the leader1 dead using 210

Number of cycles run: 20485

the leader1 dead using 1015

Number of cycles run: 1239

the leader1 dead using 1016

the leader1 dead using 1016

Number of cycles run: 1029

the leader1 dead using 166

Number of cycles run: 50000

the leader1 dead using 850

the leader1 dead using 850

the leader1 dead using 850

Number of cycles run: 2032

the leader1 dead using 156

the leader1 dead using 156

Number of cycles run: 1442

the leader1 dead using 256

the leader1 dead using 256

Number of cycles run: 10324

the leader1 dead using 30274

Number of cycles run: 30446

the leader1 dead using 310

the leader1 dead using 310

Number of cycles run: 1620

the leader1 dead using 3856

the leader1 dead using 3856

the leader1 dead using 3856

the leader1 dead using 3856

Number of cycles run: 6842

the leader1 dead using 4979

the leader1 dead using 4979

the leader1 dead using 4979

Number of cycles run: 5405

the leader1 dead using 3020

the leader1 dead using 3020

Number of cycles run: 3234

the leader1 dead using 221

the leader1 dead using 221

the leader1 dead using 221

the leader1 dead using 221

the leader1 dead using 221

the leader1 dead using 221

the leader1 dead using 221

the leader1 dead using 221

Number of cycles run: 1841

the leader1 dead using 376

Number of cycles run: 869

the leader1 dead using 1080

the leader1 dead using 1080

the leader1 dead using 1080

the leader1 dead using 1080

Number of cycles run: 6546

the leader1 dead using 377

the leader1 dead using 377

Number of cycles run: 815

Number of cycles run: 50000

the leader1 dead using 1584

Number of cycles run: 1788

the leader1 dead using 1077

the leader1 dead using 1077

Number of cycles run: 2170

the leader1 dead using 329

Number of cycles run: 1092

the leader1 dead using 168

the leader1 dead using 168

the leader1 dead using 168

the leader1 dead using 168

the leader1 dead using 168

the leader1 dead using 168

the leader1 dead using 168

Number of cycles run: 1740

the leader1 dead using 2430

the leader1 dead using 2430

the leader1 dead using 2430

the leader1 dead using 2430

Number of cycles run: 3177

the leader1 dead using 424

the leader1 dead using 424

the leader1 dead using 424

Number of cycles run: 1536

the leader1 dead using 1209

the leader1 dead using 1209

the leader1 dead using 1209

the leader1 dead using 1209

the leader1 dead using 1209

Number of cycles run: 3315

the leader1 dead using 520

the leader1 dead using 520

the leader1 dead using 520

the leader1 dead using 520

Number of cycles run: 1068

the leader1 dead using 1189

Number of cycles run: 1376

Number of cycles run: 5975

the leader1 dead using 5276

the leader1 dead using 5276

Number of cycles run: 6423

the leader1 dead using 2143

Number of cycles run: 2300

the leader1 dead using 1724

the leader1 dead using 1724

Number of cycles run: 2423

the leader1 dead using 830

Number of cycles run: 1602

the leader1 dead using 494

the leader1 dead using 494

the leader1 dead using 494

the leader1 dead using 494

Number of cycles run: 1504

the leader1 dead using 1565

Number of cycles run: 2135

the leader1 dead using 220

the leader1 dead using 220

the leader1 dead using 220

the leader1 dead using 220

Number of cycles run: 2223

the leader1 dead using 277

the leader1 dead using 277

the leader1 dead using 277

Number of cycles run: 4517

the leader1 dead using 597

Number of cycles run: 1843

the leader1 dead using 1670

the leader1 dead using 1670

the leader1 dead using 1670

Number of cycles run: 1915

the leader1 dead using 587

the leader1 dead using 587

Number of cycles run: 1437

the leader1 dead using 601

Number of cycles run: 1244

the leader1 dead using 520

the leader1 dead using 520

the leader1 dead using 520

Number of cycles run: 1801

the leader1 dead using 2120

the leader1 dead using 2120

Number of cycles run: 2394

the leader1 dead using 235

Number of cycles run: 6208

the leader1 dead using 6469

the leader1 dead using 6469

the leader1 dead using 6469

the leader1 dead using 6469

Number of cycles run: 6865

Av cycles for leadership strength 4.0 is 5951

standard diviation is 10442.0462943

Testing average cycles for leadership strength 4.0

the leader1 dead using 1431

Number of cycles run: 2475

the leader1 dead using 251

the leader1 dead using 251

the leader1 dead using 251

Number of cycles run: 1722

Number of cycles run: 50000

the leader1 dead using 428

the leader1 dead using 428

Number of cycles run: 1421

Number of cycles run: 8931

the leader1 dead using 232

the leader1 dead using 232

Number of cycles run: 782

the leader1 dead using 213

the leader1 dead using 213

Number of cycles run: 695

the leader1 dead using 381

the leader1 dead using 381

the leader1 dead using 381

the leader1 dead using 381

Number of cycles run: 782

the leader1 dead using 781

Number of cycles run: 2030

the leader1 dead using 4391

Number of cycles run: 10863

the leader1 dead using 485

the leader1 dead using 485

the leader1 dead using 485

the leader1 dead using 485

Number of cycles run: 1216

the leader1 dead using 1412

the leader1 dead using 1412

the leader1 dead using 1412

the leader1 dead using 1412

Number of cycles run: 1767

the leader1 dead using 287

Number of cycles run: 3151

the leader1 dead using 629

the leader1 dead using 629

the leader1 dead using 629

the leader1 dead using 629

the leader1 dead using 629

Number of cycles run: 1672

the leader1 dead using 1091

the leader1 dead using 1091

Number of cycles run: 1840

the leader1 dead using 249

the leader1 dead using 249

the leader1 dead using 249

Number of cycles run: 662

the leader1 dead using 2470

the leader1 dead using 2470

the leader1 dead using 2470

the leader1 dead using 2470

the leader1 dead using 2470

the leader1 dead using 2470

Number of cycles run: 3300

the leader1 dead using 857

the leader1 dead using 857

the leader1 dead using 857

Number of cycles run: 26289

the leader1 dead using 158

the leader1 dead using 158

Number of cycles run: 20156

the leader1 dead using 170

the leader1 dead using 170

Number of cycles run: 14492

the leader1 dead using 3121

Number of cycles run: 5225

the leader1 dead using 9499

the leader1 dead using 9499

Number of cycles run: 9617

the leader1 dead using 295

the leader1 dead using 295

the leader1 dead using 295

the leader1 dead using 295

Number of cycles run: 2488

the leader1 dead using 533

the leader1 dead using 533

the leader1 dead using 533

the leader1 dead using 533

Number of cycles run: 1255

the leader1 dead using 1251

the leader1 dead using 1251

the leader1 dead using 1251

Number of cycles run: 3271

the leader1 dead using 3171

the leader1 dead using 3171

the leader1 dead using 3171

the leader1 dead using 3171

Number of cycles run: 3431

Number of cycles run: 50000

the leader1 dead using 228

the leader1 dead using 228

Number of cycles run: 925

the leader1 dead using 147

the leader1 dead using 147

Number of cycles run: 1859

the leader1 dead using 1148

the leader1 dead using 1148

the leader1 dead using 1148

Number of cycles run: 2136

the leader1 dead using 192

the leader1 dead using 192

the leader1 dead using 192

the leader1 dead using 192

Number of cycles run: 50000

the leader1 dead using 415

the leader1 dead using 415

the leader1 dead using 415

Number of cycles run: 1881

the leader1 dead using 520

the leader1 dead using 520

the leader1 dead using 520

the leader1 dead using 520

the leader1 dead using 520

Number of cycles run: 7378

the leader1 dead using 584

the leader1 dead using 584

the leader1 dead using 584

Number of cycles run: 1999

the leader1 dead using 1036

the leader1 dead using 1036

the leader1 dead using 1036

Number of cycles run: 1646

the leader1 dead using 252

Number of cycles run: 798

the leader1 dead using 158

the leader1 dead using 158

the leader1 dead using 158

Number of cycles run: 13913

the leader1 dead using 1279

Number of cycles run: 1398

the leader1 dead using 2396

Number of cycles run: 2861

the leader1 dead using 345

the leader1 dead using 345

the leader1 dead using 345

Number of cycles run: 1812

the leader1 dead using 249

the leader1 dead using 249

the leader1 dead using 249

the leader1 dead using 249

the leader1 dead using 249

Number of cycles run: 780

the leader1 dead using 426

the leader1 dead using 426

Number of cycles run: 1162

the leader1 dead using 214

Number of cycles run: 1562

the leader1 dead using 230

Number of cycles run: 50000

the leader1 dead using 226

the leader1 dead using 226

the leader1 dead using 226

the leader1 dead using 226

the leader1 dead using 226

the leader1 dead using 226

the leader1 dead using 226

Number of cycles run: 1356

the leader1 dead using 282

the leader1 dead using 282

the leader1 dead using 282

Number of cycles run: 6814

the leader1 dead using 482

the leader1 dead using 482

Number of cycles run: 2839

the leader1 dead using 512

Number of cycles run: 853

the leader1 dead using 23731

Number of cycles run: 23801

the leader1 dead using 292

the leader1 dead using 292

the leader1 dead using 292

Number of cycles run: 994

Av cycles for leadership strength 4.0 is 8166

standard diviation is 13761.8953562

Testing average cycles for leadership strength 4.0

the leader1 dead using 5029

the leader1 dead using 5029

the leader1 dead using 5029

Number of cycles run: 5948

the leader1 dead using 638

the leader1 dead using 638

Number of cycles run: 1072

the leader1 dead using 2956

Number of cycles run: 4410

the leader1 dead using 187

the leader1 dead using 187

the leader1 dead using 187

Number of cycles run: 3157

the leader1 dead using 179

the leader1 dead using 179

the leader1 dead using 179

the leader1 dead using 179

the leader1 dead using 179

Number of cycles run: 1365

the leader1 dead using 510

the leader1 dead using 510

the leader1 dead using 510

Number of cycles run: 50000

the leader1 dead using 191

the leader1 dead using 191

the leader1 dead using 191

Number of cycles run: 1976

the leader1 dead using 203

the leader1 dead using 203

the leader1 dead using 203

Number of cycles run: 1367

the leader1 dead using 244

the leader1 dead using 244

Number of cycles run: 2887

the leader1 dead using 653

the leader1 dead using 653

Number of cycles run: 1283

the leader1 dead using 206

Number of cycles run: 1010

the leader1 dead using 744

the leader1 dead using 744

the leader1 dead using 744

the leader1 dead using 744

Number of cycles run: 6403

the leader1 dead using 267

the leader1 dead using 267

the leader1 dead using 267

Number of cycles run: 820

the leader1 dead using 196

the leader1 dead using 196

Number of cycles run: 50000

the leader1 dead using 1548

the leader1 dead using 1548

the leader1 dead using 1548

the leader1 dead using 1548

Number of cycles run: 1903

the leader1 dead using 167

Number of cycles run: 50000

the leader1 dead using 350

the leader1 dead using 350

the leader1 dead using 350

Number of cycles run: 2932

the leader1 dead using 1900

Number of cycles run: 3282

the leader1 dead using 686

the leader1 dead using 686

Number of cycles run: 1159

the leader1 dead using 1411

the leader1 dead using 1411

the leader1 dead using 1411

Number of cycles run: 2785

the leader1 dead using 481

the leader1 dead using 481

the leader1 dead using 481

Number of cycles run: 3435

the leader1 dead using 355

Number of cycles run: 50000

the leader1 dead using 3024

the leader1 dead using 3024

Number of cycles run: 3430

the leader1 dead using 455

the leader1 dead using 455

Number of cycles run: 800

the leader1 dead using 213

the leader1 dead using 213

the leader1 dead using 213

the leader1 dead using 213

Number of cycles run: 3329

the leader1 dead using 5688

Number of cycles run: 5688

the leader1 dead using 1498

the leader1 dead using 1498

the leader1 dead using 1498

Number of cycles run: 2002

the leader1 dead using 522

the leader1 dead using 522

the leader1 dead using 522

Number of cycles run: 1747

the leader1 dead using 545

the leader1 dead using 545

the leader1 dead using 545

the leader1 dead using 545

the leader1 dead using 545

the leader1 dead using 545

the leader1 dead using 545

Number of cycles run: 3835

the leader1 dead using 813

the leader1 dead using 813

the leader1 dead using 813

Number of cycles run: 2256

the leader1 dead using 377

the leader1 dead using 377

Number of cycles run: 16004

the leader1 dead using 2391

Number of cycles run: 2631

the leader1 dead using 202

the leader1 dead using 202

Number of cycles run: 1160

the leader1 dead using 2632

Number of cycles run: 15364

the leader1 dead using 623

the leader1 dead using 623

the leader1 dead using 623

Number of cycles run: 1816

the leader1 dead using 377

the leader1 dead using 377

the leader1 dead using 377

the leader1 dead using 377

the leader1 dead using 377

Number of cycles run: 3504

the leader1 dead using 241

the leader1 dead using 241

the leader1 dead using 241

Number of cycles run: 1431

the leader1 dead using 587

the leader1 dead using 587

Number of cycles run: 1098

Number of cycles run: 50000

the leader1 dead using 761

Number of cycles run: 2062

the leader1 dead using 5691

the leader1 dead using 5691

Number of cycles run: 5818

the leader1 dead using 2204

the leader1 dead using 2204

Number of cycles run: 3465

the leader1 dead using 999

the leader1 dead using 999

the leader1 dead using 999

Number of cycles run: 1692

the leader1 dead using 1548

the leader1 dead using 1548

Number of cycles run: 2302

the leader1 dead using 13823

Number of cycles run: 15073

the leader1 dead using 849

the leader1 dead using 849

the leader1 dead using 849

the leader1 dead using 849

Number of cycles run: 2050

the leader1 dead using 266

the leader1 dead using 266

Number of cycles run: 1902

the leader1 dead using 286

the leader1 dead using 286

the leader1 dead using 286

the leader1 dead using 286

Number of cycles run: 980

the leader1 dead using 1353

Number of cycles run: 1797

the leader1 dead using 366

the leader1 dead using 366

the leader1 dead using 366

the leader1 dead using 366

Number of cycles run: 1712

Av cycles for leadership strength 4.0 is 8042

standard diviation is 14525.2457457

Testing average cycles for leadership strength 4.0

the leader1 dead using 237

Number of cycles run: 50000

Number of cycles run: 50000

the leader1 dead using 462

the leader1 dead using 462

the leader1 dead using 462

the leader1 dead using 462

Number of cycles run: 2445

the leader1 dead using 1905

Number of cycles run: 2396

the leader1 dead using 216

the leader1 dead using 216

Number of cycles run: 1731

the leader1 dead using 406

Number of cycles run: 50000

the leader1 dead using 208

the leader1 dead using 208

Number of cycles run: 4229

the leader1 dead using 1163

the leader1 dead using 1163

Number of cycles run: 1705

the leader1 dead using 438

the leader1 dead using 438

Number of cycles run: 824

the leader1 dead using 339

the leader1 dead using 339

Number of cycles run: 2324

the leader1 dead using 2672

Number of cycles run: 3363

the leader1 dead using 290

Number of cycles run: 1807

the leader1 dead using 1216

Number of cycles run: 2020

the leader1 dead using 702

the leader1 dead using 702

the leader1 dead using 702

Number of cycles run: 989

the leader1 dead using 254

the leader1 dead using 254

the leader1 dead using 254

the leader1 dead using 254

Number of cycles run: 778

the leader1 dead using 671

the leader1 dead using 671

the leader1 dead using 671

Number of cycles run: 1519

the leader1 dead using 262

Number of cycles run: 50000

the leader1 dead using 573

the leader1 dead using 573

Number of cycles run: 4077

the leader1 dead using 1009

the leader1 dead using 1009

Number of cycles run: 1115

the leader1 dead using 293

the leader1 dead using 293

Number of cycles run: 2013

the leader1 dead using 8521

Number of cycles run: 8521

Number of cycles run: 50000

the leader1 dead using 277

Number of cycles run: 951

the leader1 dead using 691

the leader1 dead using 691

the leader1 dead using 691

Number of cycles run: 3002

the leader1 dead using 421

the leader1 dead using 421

the leader1 dead using 421

Number of cycles run: 3795

the leader1 dead using 2074

Number of cycles run: 2074

the leader1 dead using 283

the leader1 dead using 283

the leader1 dead using 283

Number of cycles run: 1326

Number of cycles run: 42176

the leader1 dead using 1369

the leader1 dead using 1369

the leader1 dead using 1369

Number of cycles run: 2914

the leader1 dead using 1860

the leader1 dead using 1860

the leader1 dead using 1860

the leader1 dead using 1860

the leader1 dead using 1860

Number of cycles run: 2699

the leader1 dead using 1587

the leader1 dead using 1587

the leader1 dead using 1587

Number of cycles run: 2180

the leader1 dead using 394

Number of cycles run: 704

the leader1 dead using 10673

Number of cycles run: 10714

the leader1 dead using 185

the leader1 dead using 185

Number of cycles run: 828

the leader1 dead using 206

the leader1 dead using 206

Number of cycles run: 2301

the leader1 dead using 502

the leader1 dead using 502

the leader1 dead using 502

Number of cycles run: 1276

the leader1 dead using 1383

the leader1 dead using 1383

Number of cycles run: 3356

the leader1 dead using 217

the leader1 dead using 217

the leader1 dead using 217

Number of cycles run: 1146

the leader1 dead using 3286

the leader1 dead using 3286

the leader1 dead using 3286

Number of cycles run: 3717

the leader1 dead using 321

the leader1 dead using 321

Number of cycles run: 1098

the leader1 dead using 768

Number of cycles run: 1418

the leader1 dead using 2598

Number of cycles run: 2851

the leader1 dead using 914

Number of cycles run: 1594

the leader1 dead using 785

Number of cycles run: 8215

the leader1 dead using 3014

Number of cycles run: 3078

the leader1 dead using 935

Number of cycles run: 1795

Number of cycles run: 10327

the leader1 dead using 907

the leader1 dead using 907

the leader1 dead using 907

Number of cycles run: 1649

the leader1 dead using 875

the leader1 dead using 875

Number of cycles run: 2664

the leader1 dead using 832

the leader1 dead using 832

Number of cycles run: 1675

Av cycles for leadership strength 4.0 is 8267

standard diviation is 15275.2684162

Testing average cycles for leadership strength 4.0

the leader1 dead using 200

Number of cycles run: 50000

the leader1 dead using 291

the leader1 dead using 291

Number of cycles run: 5214

the leader1 dead using 223

the leader1 dead using 223

Number of cycles run: 2589

the leader1 dead using 376

the leader1 dead using 376

the leader1 dead using 376

Number of cycles run: 1485

the leader1 dead using 1245

Number of cycles run: 1558

the leader1 dead using 854

the leader1 dead using 854

the leader1 dead using 854

Number of cycles run: 1313

the leader1 dead using 417

the leader1 dead using 417

the leader1 dead using 417

Number of cycles run: 3246

the leader1 dead using 741

the leader1 dead using 741

the leader1 dead using 741

the leader1 dead using 741

Number of cycles run: 1754

the leader1 dead using 648

Number of cycles run: 1081

the leader1 dead using 138

the leader1 dead using 138

Number of cycles run: 1394

the leader1 dead using 532

Number of cycles run: 1459

the leader1 dead using 777

Number of cycles run: 1229

the leader1 dead using 297

the leader1 dead using 297

the leader1 dead using 297

Number of cycles run: 21954

the leader1 dead using 350

the leader1 dead using 350

Number of cycles run: 730

the leader1 dead using 484

Number of cycles run: 4813

the leader1 dead using 819

the leader1 dead using 819

Number of cycles run: 1634

the leader1 dead using 196

the leader1 dead using 196

the leader1 dead using 196

the leader1 dead using 196

the leader1 dead using 196

the leader1 dead using 196

the leader1 dead using 196

the leader1 dead using 196

the leader1 dead using 196

Number of cycles run: 7708

the leader1 dead using 7115

the leader1 dead using 7115

the leader1 dead using 7115

Number of cycles run: 7397

the leader1 dead using 200

the leader1 dead using 200

the leader1 dead using 200

Number of cycles run: 793

the leader1 dead using 3657

Number of cycles run: 3660

the leader1 dead using 2032

the leader1 dead using 2032

Number of cycles run: 2770

the leader1 dead using 523

the leader1 dead using 523

Number of cycles run: 948

the leader1 dead using 164

the leader1 dead using 164

the leader1 dead using 164

the leader1 dead using 164

Number of cycles run: 50000

the leader1 dead using 7400

the leader1 dead using 7400

the leader1 dead using 7400

Number of cycles run: 8762

the leader1 dead using 311

Number of cycles run: 1139

the leader1 dead using 288

Number of cycles run: 50000

the leader1 dead using 280

Number of cycles run: 914

the leader1 dead using 275

Number of cycles run: 1107

the leader1 dead using 476

Number of cycles run: 1884

the leader1 dead using 3846

the leader1 dead using 3846

Number of cycles run: 3880

the leader1 dead using 282

the leader1 dead using 282

the leader1 dead using 282

the leader1 dead using 282

the leader1 dead using 282

the leader1 dead using 282

Number of cycles run: 1475

the leader1 dead using 215

the leader1 dead using 215

the leader1 dead using 215

Number of cycles run: 1044

the leader1 dead using 1382

the leader1 dead using 1382

Number of cycles run: 1711

the leader1 dead using 2409

the leader1 dead using 2409

the leader1 dead using 2409

Number of cycles run: 3173

the leader1 dead using 3083

the leader1 dead using 3083

the leader1 dead using 3083

Number of cycles run: 3103

the leader1 dead using 770

Number of cycles run: 882

the leader1 dead using 263

the leader1 dead using 263

the leader1 dead using 263

Number of cycles run: 837

the leader1 dead using 224

the leader1 dead using 224

the leader1 dead using 224

Number of cycles run: 1051

Number of cycles run: 50000

the leader1 dead using 327

Number of cycles run: 6585

the leader1 dead using 481

Number of cycles run: 1142

the leader1 dead using 155

Number of cycles run: 2720

the leader1 dead using 1431

the leader1 dead using 1431

Number of cycles run: 1596

the leader1 dead using 259

Number of cycles run: 50000

the leader1 dead using 1184

the leader1 dead using 1184

the leader1 dead using 1184

Number of cycles run: 1908

the leader1 dead using 716

Number of cycles run: 3890

the leader1 dead using 208

the leader1 dead using 208

Number of cycles run: 1731

the leader1 dead using 630

the leader1 dead using 630

the leader1 dead using 630

the leader1 dead using 630

the leader1 dead using 630

Number of cycles run: 1090

the leader1 dead using 447

the leader1 dead using 447

the leader1 dead using 447

Number of cycles run: 1350

the leader1 dead using 208

the leader1 dead using 208

the leader1 dead using 208

the leader1 dead using 208

the leader1 dead using 208

the leader1 dead using 208

Number of cycles run: 3839

Av cycles for leadership strength 4.0 is 7630

standard diviation is 14649.3232892

Testing average cycles for leadership strength 4.0

the leader1 dead using 871

the leader1 dead using 871

the leader1 dead using 871

the leader1 dead using 871

Number of cycles run: 1561

the leader1 dead using 367

the leader1 dead using 367

the leader1 dead using 367

Number of cycles run: 25026

the leader1 dead using 483

the leader1 dead using 483

the leader1 dead using 483

the leader1 dead using 483

Number of cycles run: 4845

the leader1 dead using 6752

the leader1 dead using 6752

Number of cycles run: 6883

the leader1 dead using 370

Number of cycles run: 50000

the leader1 dead using 182

the leader1 dead using 182

Number of cycles run: 50000

the leader1 dead using 245

Number of cycles run: 9913

the leader1 dead using 225

the leader1 dead using 225

Number of cycles run: 1416

the leader1 dead using 397

Number of cycles run: 985

the leader1 dead using 1552

the leader1 dead using 1552

the leader1 dead using 1552

the leader1 dead using 1552

the leader1 dead using 1552

the leader1 dead using 1552

Number of cycles run: 2028

the leader1 dead using 1147

Number of cycles run: 1558

the leader1 dead using 1624

the leader1 dead using 1624

the leader1 dead using 1624

Number of cycles run: 2649

the leader1 dead using 8401

the leader1 dead using 8401

the leader1 dead using 8401

the leader1 dead using 8401

the leader1 dead using 8401

Number of cycles run: 9663

the leader1 dead using 152

the leader1 dead using 152

Number of cycles run: 2133

the leader1 dead using 3198

Number of cycles run: 3530

the leader1 dead using 2212

the leader1 dead using 2212

Number of cycles run: 2728

the leader1 dead using 435

the leader1 dead using 435

the leader1 dead using 435

the leader1 dead using 435

the leader1 dead using 435

Number of cycles run: 1742

Number of cycles run: 50000

the leader1 dead using 1255

Number of cycles run: 1526

the leader1 dead using 374

the leader1 dead using 374

the leader1 dead using 374

Number of cycles run: 645

the leader1 dead using 203

the leader1 dead using 203

Number of cycles run: 40949

the leader1 dead using 453

Number of cycles run: 1762

the leader1 dead using 223

Number of cycles run: 1243

the leader1 dead using 766

the leader1 dead using 766

Number of cycles run: 1275

the leader1 dead using 1373

the leader1 dead using 1373

the leader1 dead using 1373

Number of cycles run: 1872

the leader1 dead using 261

Number of cycles run: 891

the leader1 dead using 250

the leader1 dead using 250

Number of cycles run: 1242

the leader1 dead using 544

Number of cycles run: 6660

the leader1 dead using 667

the leader1 dead using 667

the leader1 dead using 667

the leader1 dead using 667

the leader1 dead using 667

Number of cycles run: 1302

the leader1 dead using 773

the leader1 dead using 773

the leader1 dead using 773

Number of cycles run: 1479

the leader1 dead using 688

the leader1 dead using 688

the leader1 dead using 688

the leader1 dead using 688

the leader1 dead using 688

Number of cycles run: 1208

the leader1 dead using 1193

the leader1 dead using 1193

the leader1 dead using 1193

the leader1 dead using 1193

the leader1 dead using 1193

the leader1 dead using 1193

the leader1 dead using 1193

the leader1 dead using 1193

Number of cycles run: 9260

the leader1 dead using 467

the leader1 dead using 467

Number of cycles run: 825

the leader1 dead using 15964

Number of cycles run: 15964

the leader1 dead using 657

the leader1 dead using 657

the leader1 dead using 657

Number of cycles run: 3136

the leader1 dead using 264

the leader1 dead using 264

the leader1 dead using 264

Number of cycles run: 1231

the leader1 dead using 619

the leader1 dead using 619

Number of cycles run: 1277

the leader1 dead using 2355

Number of cycles run: 2384

the leader1 dead using 10625

Number of cycles run: 10625

the leader1 dead using 503

the leader1 dead using 503

the leader1 dead using 503

Number of cycles run: 1155

the leader1 dead using 849

Number of cycles run: 1343

the leader1 dead using 767

Number of cycles run: 1220

Number of cycles run: 15047

the leader1 dead using 215

the leader1 dead using 215

the leader1 dead using 215

Number of cycles run: 45484

the leader1 dead using 527

the leader1 dead using 527

the leader1 dead using 527

the leader1 dead using 527

the leader1 dead using 527

Number of cycles run: 2044

Number of cycles run: 2773

Number of cycles run: 9085

the leader1 dead using 368

the leader1 dead using 368

Number of cycles run: 2447

the leader1 dead using 944

the leader1 dead using 944

the leader1 dead using 944

the leader1 dead using 944

the leader1 dead using 944

Number of cycles run: 2955

the leader1 dead using 355

Number of cycles run: 2493

Av cycles for leadership strength 4.0 is 8389

standard diviation is 13957.4162023

Testing average cycles for leadership strength 4.0

the leader1 dead using 234

the leader1 dead using 234

the leader1 dead using 234

the leader1 dead using 234

Number of cycles run: 1621

the leader1 dead using 233

the leader1 dead using 233

the leader1 dead using 233

Number of cycles run: 7007

the leader1 dead using 221

Number of cycles run: 50000

the leader1 dead using 1618

the leader1 dead using 1618

Number of cycles run: 2808

the leader1 dead using 697

Number of cycles run: 1616

the leader1 dead using 763

the leader1 dead using 763

the leader1 dead using 763

Number of cycles run: 1515

the leader1 dead using 2399

the leader1 dead using 2399

Number of cycles run: 2939

the leader1 dead using 435

Number of cycles run: 1406

the leader1 dead using 199

the leader1 dead using 199

Number of cycles run: 21442

the leader1 dead using 2264

the leader1 dead using 2264

the leader1 dead using 2264

Number of cycles run: 3669

the leader1 dead using 637

Number of cycles run: 1230

the leader1 dead using 588

Number of cycles run: 1914

the leader1 dead using 176

the leader1 dead using 176

Number of cycles run: 50000

the leader1 dead using 209

Number of cycles run: 50000

the leader1 dead using 187

Number of cycles run: 2303

the leader1 dead using 850

the leader1 dead using 850

the leader1 dead using 850

Number of cycles run: 1682

the leader1 dead using 830

the leader1 dead using 830

Number of cycles run: 2317

the leader1 dead using 17426

Number of cycles run: 17464

the leader1 dead using 892

the leader1 dead using 892

the leader1 dead using 892

the leader1 dead using 892

Number of cycles run: 1154

the leader1 dead using 503

Number of cycles run: 951

the leader1 dead using 457

the leader1 dead using 457

the leader1 dead using 457

Number of cycles run: 874

the leader1 dead using 1225

the leader1 dead using 1225

Number of cycles run: 2958

Number of cycles run: 20503

the leader1 dead using 357

the leader1 dead using 357

Number of cycles run: 625

the leader1 dead using 669

the leader1 dead using 669

Number of cycles run: 1090

the leader1 dead using 152

the leader1 dead using 152

the leader1 dead using 152

Number of cycles run: 663

the leader1 dead using 355

Number of cycles run: 1327

the leader1 dead using 919

the leader1 dead using 919

the leader1 dead using 919

Number of cycles run: 1489

the leader1 dead using 310

the leader1 dead using 310

Number of cycles run: 1258

the leader1 dead using 427

the leader1 dead using 427

the leader1 dead using 427

the leader1 dead using 427

Number of cycles run: 1154

the leader1 dead using 215

the leader1 dead using 215

Number of cycles run: 3441

the leader1 dead using 346

the leader1 dead using 346

Number of cycles run: 2107

the leader1 dead using 268

the leader1 dead using 268

the leader1 dead using 268

Number of cycles run: 1842

the leader1 dead using 494

the leader1 dead using 494

the leader1 dead using 494

the leader1 dead using 494

the leader1 dead using 494

the leader1 dead using 494

the leader1 dead using 494

the leader1 dead using 494

Number of cycles run: 875

the leader1 dead using 720

the leader1 dead using 720

the leader1 dead using 720

Number of cycles run: 1247

the leader1 dead using 736

the leader1 dead using 736

Number of cycles run: 25338

the leader1 dead using 211

the leader1 dead using 211

the leader1 dead using 211

Number of cycles run: 827

the leader1 dead using 3085

the leader1 dead using 3085

the leader1 dead using 3085

the leader1 dead using 3085

the leader1 dead using 3085

Number of cycles run: 5724

the leader1 dead using 2485

the leader1 dead using 2485

Number of cycles run: 2712

the leader1 dead using 204

the leader1 dead using 204

the leader1 dead using 204

the leader1 dead using 204

Number of cycles run: 10088

Number of cycles run: 50000

the leader1 dead using 1030

Number of cycles run: 3107

the leader1 dead using 4735

the leader1 dead using 4735

the leader1 dead using 4735

the leader1 dead using 4735

the leader1 dead using 4735

Number of cycles run: 5480

the leader1 dead using 168

the leader1 dead using 168

the leader1 dead using 168

Number of cycles run: 1725

the leader1 dead using 7184

the leader1 dead using 7184

Number of cycles run: 7699

the leader1 dead using 277

the leader1 dead using 277

the leader1 dead using 277

Number of cycles run: 1203

the leader1 dead using 371

the leader1 dead using 371

Number of cycles run: 829

the leader1 dead using 149

Number of cycles run: 50000

the leader1 dead using 1592

the leader1 dead using 1592

the leader1 dead using 1592

Number of cycles run: 2545

the leader1 dead using 27313

the leader1 dead using 27313

Number of cycles run: 27494

Av cycles for leadership strength 4.0 is 9185

standard diviation is 15164.1814673

Testing average cycles for leadership strength 4.0

the leader1 dead using 1958

the leader1 dead using 1958

Number of cycles run: 3657

the leader1 dead using 5276

the leader1 dead using 5276

the leader1 dead using 5276

Number of cycles run: 5276

the leader1 dead using 582

the leader1 dead using 582

the leader1 dead using 582

Number of cycles run: 1215

the leader1 dead using 549

the leader1 dead using 549

the leader1 dead using 549

Number of cycles run: 1393

the leader1 dead using 238

the leader1 dead using 238

the leader1 dead using 238

the leader1 dead using 238

Number of cycles run: 1353

the leader1 dead using 642

Number of cycles run: 1356

Number of cycles run: 50000

the leader1 dead using 343

the leader1 dead using 343

the leader1 dead using 343

Number of cycles run: 894

the leader1 dead using 154

the leader1 dead using 154

Number of cycles run: 10044

the leader1 dead using 143

the leader1 dead using 143

Number of cycles run: 4340

the leader1 dead using 603

the leader1 dead using 603

Number of cycles run: 1023

the leader1 dead using 190

the leader1 dead using 190

the leader1 dead using 190

Number of cycles run: 932

the leader1 dead using 8219

the leader1 dead using 8219

the leader1 dead using 8219

the leader1 dead using 8219

the leader1 dead using 8219

Number of cycles run: 8414

the leader1 dead using 263

Number of cycles run: 2597

Number of cycles run: 50000

the leader1 dead using 175

the leader1 dead using 175

the leader1 dead using 175

Number of cycles run: 1192

the leader1 dead using 3213

the leader1 dead using 3213

Number of cycles run: 3650

the leader1 dead using 167

the leader1 dead using 167

the leader1 dead using 167

the leader1 dead using 167

Number of cycles run: 1036

the leader1 dead using 222

Number of cycles run: 3087

the leader1 dead using 180

the leader1 dead using 180

the leader1 dead using 180

Number of cycles run: 17221

the leader1 dead using 209

Number of cycles run: 5525

the leader1 dead using 253

the leader1 dead using 253

Number of cycles run: 3207

the leader1 dead using 215

the leader1 dead using 215

the leader1 dead using 215

the leader1 dead using 215

the leader1 dead using 215

Number of cycles run: 3545

Number of cycles run: 50000

the leader1 dead using 211

the leader1 dead using 211

Number of cycles run: 596

the leader1 dead using 846

the leader1 dead using 846

Number of cycles run: 2674

the leader1 dead using 228

Number of cycles run: 39523

the leader1 dead using 428

Number of cycles run: 1475

the leader1 dead using 4388

Number of cycles run: 7459

Number of cycles run: 11175

the leader1 dead using 824

Number of cycles run: 2030

the leader1 dead using 429

Number of cycles run: 2314

the leader1 dead using 622

the leader1 dead using 622

the leader1 dead using 622

the leader1 dead using 622

the leader1 dead using 622

Number of cycles run: 1804

the leader1 dead using 165

the leader1 dead using 165

Number of cycles run: 1559

the leader1 dead using 229

the leader1 dead using 229

the leader1 dead using 229

the leader1 dead using 229

Number of cycles run: 2035

the leader1 dead using 222

the leader1 dead using 222

Number of cycles run: 1643

the leader1 dead using 315

the leader1 dead using 315

Number of cycles run: 742

the leader1 dead using 777

the leader1 dead using 777

Number of cycles run: 1129

the leader1 dead using 814

the leader1 dead using 814

Number of cycles run: 1317

the leader1 dead using 736

the leader1 dead using 736

Number of cycles run: 2265

the leader1 dead using 193

the leader1 dead using 193

the leader1 dead using 193

the leader1 dead using 193

Number of cycles run: 20074

the leader1 dead using 267

the leader1 dead using 267

Number of cycles run: 1697

the leader1 dead using 249

the leader1 dead using 249

the leader1 dead using 249

Number of cycles run: 2527

the leader1 dead using 434

the leader1 dead using 434

Number of cycles run: 2634

the leader1 dead using 258

the leader1 dead using 258

Number of cycles run: 32801

the leader1 dead using 1163

the leader1 dead using 1163

Number of cycles run: 3757

the leader1 dead using 151

Number of cycles run: 790

the leader1 dead using 501

Number of cycles run: 3459

the leader1 dead using 381

the leader1 dead using 381

the leader1 dead using 381

the leader1 dead using 381

the leader1 dead using 381

the leader1 dead using 381

Number of cycles run: 919

the leader1 dead using 12464

Number of cycles run: 50000

Av cycles for leadership strength 4.0 is 8587

standard diviation is 14457.6931872

[ml16m6y@comp-pc6067 Downloads]$

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\_4.0.py idle

Testing average cycles for leadership strength 4.0

the leader1 dead using 507

Number of cycles run: 782

the leader1 dead using 1554

the leader1 dead using 1554

the leader1 dead using 1554

Number of cycles run: 3067

the leader1 dead using 1686

the leader1 dead using 1686

Number of cycles run: 2387

the leader1 dead using 1629

the leader1 dead using 1629

Number of cycles run: 2419

the leader1 dead using 320

the leader1 dead using 320

the leader1 dead using 320

the leader1 dead using 320

Number of cycles run: 754

the leader1 dead using 216

Number of cycles run: 4119

the leader1 dead using 416

the leader1 dead using 416

the leader1 dead using 416

Number of cycles run: 4722

the leader1 dead using 479

the leader1 dead using 479

the leader1 dead using 479

Number of cycles run: 1032

the leader1 dead using 2532

Number of cycles run: 2931

the leader1 dead using 2662

Number of cycles run: 2903

the leader1 dead using 648

Number of cycles run: 1342

the leader1 dead using 207

the leader1 dead using 207

the leader1 dead using 207

Number of cycles run: 983

the leader1 dead using 900

the leader1 dead using 900

Number of cycles run: 13087

the leader1 dead using 237

the leader1 dead using 237

the leader1 dead using 237

the leader1 dead using 237

the leader1 dead using 237

Number of cycles run: 2024

the leader1 dead using 152

the leader1 dead using 152

the leader1 dead using 152

the leader1 dead using 152

Number of cycles run: 890

the leader1 dead using 528

Number of cycles run: 884

the leader1 dead using 1631

the leader1 dead using 1631

Number of cycles run: 3419

the leader1 dead using 1259

the leader1 dead using 1259

the leader1 dead using 1259

Number of cycles run: 1469

the leader1 dead using 298

the leader1 dead using 298

Number of cycles run: 3887

the leader1 dead using 322

Number of cycles run: 2886

the leader1 dead using 226

the leader1 dead using 226

the leader1 dead using 226

Number of cycles run: 1941

the leader1 dead using 253

the leader1 dead using 253

Number of cycles run: 12576

the leader1 dead using 2278

Number of cycles run: 2290

the leader1 dead using 277

the leader1 dead using 277

the leader1 dead using 277

the leader1 dead using 277

the leader1 dead using 277

the leader1 dead using 277

the leader1 dead using 277

Number of cycles run: 1185

the leader1 dead using 1543

the leader1 dead using 1543

the leader1 dead using 1543

Number of cycles run: 1805

the leader1 dead using 873

the leader1 dead using 873

Number of cycles run: 2622

the leader1 dead using 397

the leader1 dead using 397

the leader1 dead using 397

Number of cycles run: 20086

the leader1 dead using 297

the leader1 dead using 297

Number of cycles run: 1065

the leader1 dead using 527

the leader1 dead using 527

the leader1 dead using 527

Number of cycles run: 1093

the leader1 dead using 329

the leader1 dead using 329

Number of cycles run: 1001

the leader1 dead using 216

the leader1 dead using 216

Number of cycles run: 1452

the leader1 dead using 182

the leader1 dead using 182

the leader1 dead using 182

Number of cycles run: 5482

the leader1 dead using 1534

the leader1 dead using 1534

Number of cycles run: 4638

the leader1 dead using 264

Number of cycles run: 892

the leader1 dead using 824

the leader1 dead using 824

the leader1 dead using 824

the leader1 dead using 824

Number of cycles run: 1059

the leader1 dead using 347

the leader1 dead using 347

the leader1 dead using 347

Number of cycles run: 29372

the leader1 dead using 988

the leader1 dead using 988

Number of cycles run: 1577

the leader1 dead using 297

the leader1 dead using 297

Number of cycles run: 7180

the leader1 dead using 184

Number of cycles run: 1976

the leader1 dead using 316

the leader1 dead using 316

the leader1 dead using 316

Number of cycles run: 1599

the leader1 dead using 437

Number of cycles run: 975

the leader1 dead using 443

the leader1 dead using 443

the leader1 dead using 443

Number of cycles run: 738

the leader1 dead using 1080

Number of cycles run: 2239

the leader1 dead using 1117

the leader1 dead using 1117

Number of cycles run: 2065

the leader1 dead using 946

the leader1 dead using 946

the leader1 dead using 946

Number of cycles run: 1739

the leader1 dead using 181

the leader1 dead using 181

Number of cycles run: 1290

the leader1 dead using 184

the leader1 dead using 184

Number of cycles run: 1774

the leader1 dead using 3177

the leader1 dead using 3177

Number of cycles run: 3367

the leader1 dead using 489

the leader1 dead using 489

the leader1 dead using 489

Number of cycles run: 2056

the leader1 dead using 815

the leader1 dead using 815

the leader1 dead using 815

Number of cycles run: 1266

Av cycles for leadership strength 4.0 is 3487

standard diviation is 5127.59518289

Testing average cycles for leadership strength 4.0

the leader1 dead using 216

Number of cycles run: 2146

the leader1 dead using 2339

Number of cycles run: 2434

the leader1 dead using 267

the leader1 dead using 267

Number of cycles run: 867

the leader1 dead using 147

the leader1 dead using 147

the leader1 dead using 147

Number of cycles run: 32412

the leader1 dead using 721

the leader1 dead using 721

the leader1 dead using 721

the leader1 dead using 721

Number of cycles run: 1058

Number of cycles run: 50000

the leader1 dead using 966

the leader1 dead using 966

the leader1 dead using 966

the leader1 dead using 966

the leader1 dead using 966

the leader1 dead using 966

Number of cycles run: 1684

the leader1 dead using 378

the leader1 dead using 378

Number of cycles run: 1249

the leader1 dead using 574

Number of cycles run: 1204

the leader1 dead using 202

the leader1 dead using 202

Number of cycles run: 50000

the leader1 dead using 884

the leader1 dead using 884

the leader1 dead using 884

Number of cycles run: 1697

the leader1 dead using 935

the leader1 dead using 935

the leader1 dead using 935

the leader1 dead using 935

the leader1 dead using 935

Number of cycles run: 1951

the leader1 dead using 341

the leader1 dead using 341

Number of cycles run: 2524

the leader1 dead using 222

the leader1 dead using 222

the leader1 dead using 222

Number of cycles run: 15347

the leader1 dead using 1213

Number of cycles run: 1894

the leader1 dead using 3477

the leader1 dead using 3477

the leader1 dead using 3477

Number of cycles run: 4511

the leader1 dead using 650

the leader1 dead using 650

the leader1 dead using 650

the leader1 dead using 650

the leader1 dead using 650

the leader1 dead using 650

Number of cycles run: 985

the leader1 dead using 243

the leader1 dead using 243

the leader1 dead using 243

Number of cycles run: 10093

the leader1 dead using 535

the leader1 dead using 535

Number of cycles run: 1228

the leader1 dead using 751

the leader1 dead using 751

the leader1 dead using 751

the leader1 dead using 751

the leader1 dead using 751

Number of cycles run: 962

the leader1 dead using 1302

Number of cycles run: 1590

the leader1 dead using 734

the leader1 dead using 734

the leader1 dead using 734

the leader1 dead using 734

the leader1 dead using 734

Number of cycles run: 1238

the leader1 dead using 291

the leader1 dead using 291

the leader1 dead using 291

Number of cycles run: 1911

the leader1 dead using 984

the leader1 dead using 984

the leader1 dead using 984

Number of cycles run: 1414

the leader1 dead using 240

Number of cycles run: 50000

the leader1 dead using 209

Number of cycles run: 2029

the leader1 dead using 328

Number of cycles run: 2123

the leader1 dead using 1482

Number of cycles run: 3246

the leader1 dead using 257

the leader1 dead using 257

the leader1 dead using 257

the leader1 dead using 257

the leader1 dead using 257

Number of cycles run: 3054

the leader1 dead using 18675

the leader1 dead using 18675

the leader1 dead using 18675

the leader1 dead using 18675

Number of cycles run: 19456

the leader1 dead using 1276

the leader1 dead using 1276

the leader1 dead using 1276

the leader1 dead using 1276

the leader1 dead using 1276

the leader1 dead using 1276

the leader1 dead using 1276

Number of cycles run: 1824

the leader1 dead using 224

the leader1 dead using 224

the leader1 dead using 224

Number of cycles run: 24162

the leader1 dead using 947

the leader1 dead using 947

the leader1 dead using 947

the leader1 dead using 947

Number of cycles run: 1259

the leader1 dead using 390

the leader1 dead using 390

the leader1 dead using 390

Number of cycles run: 49736

the leader1 dead using 1281

Number of cycles run: 1877

the leader1 dead using 160

the leader1 dead using 160

Number of cycles run: 1736

the leader1 dead using 156

the leader1 dead using 156

Number of cycles run: 50000

the leader1 dead using 1066

the leader1 dead using 1066

the leader1 dead using 1066

Number of cycles run: 1583

the leader1 dead using 307

the leader1 dead using 307

Number of cycles run: 855

the leader1 dead using 968

Number of cycles run: 2750

the leader1 dead using 184

the leader1 dead using 184

the leader1 dead using 184

Number of cycles run: 2191

the leader1 dead using 1035

Number of cycles run: 2184

the leader1 dead using 4215

Number of cycles run: 50000

the leader1 dead using 183

the leader1 dead using 183

the leader1 dead using 183

Number of cycles run: 1077

the leader1 dead using 180

Number of cycles run: 1099

Number of cycles run: 50000

the leader1 dead using 1056

Number of cycles run: 1546

the leader1 dead using 474

the leader1 dead using 474

Number of cycles run: 1193

the leader1 dead using 469

the leader1 dead using 469

Number of cycles run: 2383

the leader1 dead using 2327

the leader1 dead using 2327

Number of cycles run: 2638

Av cycles for leadership strength 4.0 is 10408

standard diviation is 17234.9321331

Testing average cycles for leadership strength 4.0

the leader1 dead using 393

Number of cycles run: 1223

the leader1 dead using 1004

the leader1 dead using 1004

the leader1 dead using 1004

the leader1 dead using 1004

the leader1 dead using 1004

the leader1 dead using 1004

Number of cycles run: 1531

the leader1 dead using 745

Number of cycles run: 1119

the leader1 dead using 15678

the leader1 dead using 15678

the leader1 dead using 15678

Number of cycles run: 15991

the leader1 dead using 629

the leader1 dead using 629

Number of cycles run: 1546

the leader1 dead using 224

the leader1 dead using 224

Number of cycles run: 1088

the leader1 dead using 986

the leader1 dead using 986

the leader1 dead using 986

the leader1 dead using 986

the leader1 dead using 986

the leader1 dead using 986

the leader1 dead using 986

Number of cycles run: 1440

the leader1 dead using 525

the leader1 dead using 525

Number of cycles run: 1089

the leader1 dead using 869

the leader1 dead using 869

Number of cycles run: 50000

the leader1 dead using 269

Number of cycles run: 1129

the leader1 dead using 647

Number of cycles run: 879

the leader1 dead using 770

the leader1 dead using 770

Number of cycles run: 1217

the leader1 dead using 1509

the leader1 dead using 1509

the leader1 dead using 1509

the leader1 dead using 1509

Number of cycles run: 2110

the leader1 dead using 233

the leader1 dead using 233

Number of cycles run: 2399

the leader1 dead using 360

Number of cycles run: 728

the leader1 dead using 831

the leader1 dead using 831

Number of cycles run: 1188

Number of cycles run: 50000

the leader1 dead using 339

Number of cycles run: 1658

the leader1 dead using 220

the leader1 dead using 220

the leader1 dead using 220

Number of cycles run: 1128

the leader1 dead using 749

Number of cycles run: 2593

the leader1 dead using 207

the leader1 dead using 207

the leader1 dead using 207

the leader1 dead using 207

the leader1 dead using 207

the leader1 dead using 207

the leader1 dead using 207

the leader1 dead using 207

Number of cycles run: 2052

the leader1 dead using 4735

the leader1 dead using 4735

Number of cycles run: 6468

the leader1 dead using 1795

the leader1 dead using 1795

Number of cycles run: 2532

the leader1 dead using 377

the leader1 dead using 377

the leader1 dead using 377

Number of cycles run: 5372

the leader1 dead using 188

Number of cycles run: 50000

Number of cycles run: 3606

the leader1 dead using 2214

the leader1 dead using 2214

Number of cycles run: 2682

the leader1 dead using 915

the leader1 dead using 915

the leader1 dead using 915

Number of cycles run: 1706

the leader1 dead using 3107

the leader1 dead using 3107

Number of cycles run: 3332

the leader1 dead using 384

the leader1 dead using 384

Number of cycles run: 6366

the leader1 dead using 1077

the leader1 dead using 1077

Number of cycles run: 1826

the leader1 dead using 1249

the leader1 dead using 1249

Number of cycles run: 2820

the leader1 dead using 385

the leader1 dead using 385

the leader1 dead using 385

Number of cycles run: 5202

the leader1 dead using 222

the leader1 dead using 222

Number of cycles run: 1267

the leader1 dead using 162

the leader1 dead using 162

the leader1 dead using 162

the leader1 dead using 162

the leader1 dead using 162

Number of cycles run: 1220

the leader1 dead using 995

the leader1 dead using 995

the leader1 dead using 995

the leader1 dead using 995

the leader1 dead using 995

Number of cycles run: 2547

the leader1 dead using 257

the leader1 dead using 257

the leader1 dead using 257

Number of cycles run: 1595

the leader1 dead using 1092

Number of cycles run: 1816

the leader1 dead using 337

the leader1 dead using 337

the leader1 dead using 337

Number of cycles run: 1046

the leader1 dead using 398

the leader1 dead using 398

the leader1 dead using 398

the leader1 dead using 398

Number of cycles run: 2019

the leader1 dead using 1615

the leader1 dead using 1615

Number of cycles run: 1921

Number of cycles run: 50000

the leader1 dead using 210

Number of cycles run: 931

the leader1 dead using 217

the leader1 dead using 217

Number of cycles run: 768

the leader1 dead using 217

the leader1 dead using 217

the leader1 dead using 217

the leader1 dead using 217

the leader1 dead using 217

Number of cycles run: 1995

the leader1 dead using 991

Number of cycles run: 1086

the leader1 dead using 8340

Number of cycles run: 8394

the leader1 dead using 212

the leader1 dead using 212

Number of cycles run: 18185

the leader1 dead using 410

the leader1 dead using 410

the leader1 dead using 410

Number of cycles run: 1313

the leader1 dead using 210

the leader1 dead using 210

Number of cycles run: 50000

Av cycles for leadership strength 4.0 is 7602

standard diviation is 14661.0437112

Testing average cycles for leadership strength 4.0

the leader1 dead using 1037

the leader1 dead using 1037

the leader1 dead using 1037

the leader1 dead using 1037

the leader1 dead using 1037

Number of cycles run: 1947

the leader1 dead using 1050

Number of cycles run: 1849

the leader1 dead using 618

the leader1 dead using 618

the leader1 dead using 618

Number of cycles run: 1948

the leader1 dead using 363

Number of cycles run: 1252

the leader1 dead using 203

Number of cycles run: 2106

the leader1 dead using 873

Number of cycles run: 1768

the leader1 dead using 843

Number of cycles run: 2966

the leader1 dead using 187

the leader1 dead using 187

Number of cycles run: 50000

the leader1 dead using 236

Number of cycles run: 1086

the leader1 dead using 251

Number of cycles run: 2117

the leader1 dead using 2363

Number of cycles run: 2556

the leader1 dead using 250

the leader1 dead using 250

the leader1 dead using 250

Number of cycles run: 14482

the leader1 dead using 3679

the leader1 dead using 3679

the leader1 dead using 3679

the leader1 dead using 3679

Number of cycles run: 3898

the leader1 dead using 879

Number of cycles run: 1444

the leader1 dead using 232

Number of cycles run: 729

the leader1 dead using 2155

the leader1 dead using 2155

Number of cycles run: 3046

the leader1 dead using 2768

Number of cycles run: 3386

Number of cycles run: 2583

the leader1 dead using 814

the leader1 dead using 814

Number of cycles run: 1485

the leader1 dead using 5115

the leader1 dead using 5115

Number of cycles run: 5271

the leader1 dead using 715

Number of cycles run: 24315

the leader1 dead using 1407

the leader1 dead using 1407

Number of cycles run: 2316

the leader1 dead using 259

Number of cycles run: 4631

the leader1 dead using 1967

the leader1 dead using 1967

Number of cycles run: 2402

the leader1 dead using 172

Number of cycles run: 11811

the leader1 dead using 272

Number of cycles run: 1391

the leader1 dead using 271

the leader1 dead using 271

Number of cycles run: 1355

the leader1 dead using 4908

the leader1 dead using 4908

Number of cycles run: 5319

the leader1 dead using 220

the leader1 dead using 220

the leader1 dead using 220

Number of cycles run: 1129

the leader1 dead using 810

the leader1 dead using 810

Number of cycles run: 1815

the leader1 dead using 789

the leader1 dead using 789

Number of cycles run: 3131

Number of cycles run: 50000

the leader1 dead using 4804

the leader1 dead using 4804

the leader1 dead using 4804

Number of cycles run: 7345

the leader1 dead using 207

the leader1 dead using 207

the leader1 dead using 207

the leader1 dead using 207

Number of cycles run: 1228

the leader1 dead using 1010

Number of cycles run: 1740

the leader1 dead using 16335

the leader1 dead using 16335

Number of cycles run: 16527

the leader1 dead using 803

Number of cycles run: 1926

the leader1 dead using 254

Number of cycles run: 1205

the leader1 dead using 537

the leader1 dead using 537

Number of cycles run: 1014

the leader1 dead using 575

the leader1 dead using 575

the leader1 dead using 575

the leader1 dead using 575

the leader1 dead using 575

Number of cycles run: 1776

the leader1 dead using 425

Number of cycles run: 32791

the leader1 dead using 674

Number of cycles run: 1613

the leader1 dead using 726

Number of cycles run: 1257

the leader1 dead using 190

the leader1 dead using 190

the leader1 dead using 190

the leader1 dead using 190

the leader1 dead using 190

Number of cycles run: 38612

Number of cycles run: 50000

the leader1 dead using 425

the leader1 dead using 425

the leader1 dead using 425

Number of cycles run: 2759

the leader1 dead using 13028

the leader1 dead using 13028

Number of cycles run: 13740

the leader1 dead using 706

the leader1 dead using 706

the leader1 dead using 706

Number of cycles run: 1795

the leader1 dead using 772

the leader1 dead using 772

Number of cycles run: 1375

the leader1 dead using 349

the leader1 dead using 349

Number of cycles run: 839

Av cycles for leadership strength 4.0 is 7861

standard diviation is 13293.4924685

Testing average cycles for leadership strength 4.0

the leader1 dead using 3348

the leader1 dead using 3348

Number of cycles run: 3477

the leader1 dead using 722

the leader1 dead using 722

the leader1 dead using 722

the leader1 dead using 722

Number of cycles run: 1930

the leader1 dead using 45122

Number of cycles run: 45322

the leader1 dead using 2664

the leader1 dead using 2664

the leader1 dead using 2664

the leader1 dead using 2664

the leader1 dead using 2664

Number of cycles run: 3670

the leader1 dead using 27823

Number of cycles run: 27843

the leader1 dead using 278

the leader1 dead using 278

Number of cycles run: 1035

the leader1 dead using 2449

Number of cycles run: 2600

the leader1 dead using 28171

the leader1 dead using 28171

Number of cycles run: 28401

the leader1 dead using 183

the leader1 dead using 183

the leader1 dead using 183

the leader1 dead using 183

the leader1 dead using 183

the leader1 dead using 183

the leader1 dead using 183

the leader1 dead using 183

the leader1 dead using 183

Number of cycles run: 2506

Number of cycles run: 50000

the leader1 dead using 182

Number of cycles run: 2227

the leader1 dead using 495

the leader1 dead using 495

the leader1 dead using 495

the leader1 dead using 495

Number of cycles run: 1111

the leader1 dead using 19045

Number of cycles run: 19284

the leader1 dead using 335

Number of cycles run: 13281

the leader1 dead using 1174

the leader1 dead using 1174

Number of cycles run: 2074

Number of cycles run: 16698

the leader1 dead using 234

the leader1 dead using 234

the leader1 dead using 234

Number of cycles run: 958

the leader1 dead using 1316

the leader1 dead using 1316

the leader1 dead using 1316

Number of cycles run: 1941

the leader1 dead using 144

the leader1 dead using 144

Number of cycles run: 1091

the leader1 dead using 428

the leader1 dead using 428

the leader1 dead using 428

the leader1 dead using 428

Number of cycles run: 938

the leader1 dead using 179

the leader1 dead using 179

the leader1 dead using 179

Number of cycles run: 1210

the leader1 dead using 898

the leader1 dead using 898

Number of cycles run: 1586

the leader1 dead using 2917

the leader1 dead using 2917

Number of cycles run: 3157

the leader1 dead using 1190

the leader1 dead using 1190

the leader1 dead using 1190

the leader1 dead using 1190

Number of cycles run: 1792

the leader1 dead using 212

the leader1 dead using 212

Number of cycles run: 1597

the leader1 dead using 550

Number of cycles run: 2500

the leader1 dead using 14687

the leader1 dead using 14687

Number of cycles run: 15218

the leader1 dead using 188

the leader1 dead using 188

Number of cycles run: 2420

the leader1 dead using 7020

Number of cycles run: 7160

the leader1 dead using 945

Number of cycles run: 1461

the leader1 dead using 350

the leader1 dead using 350

the leader1 dead using 350

Number of cycles run: 1967

Number of cycles run: 11575

Number of cycles run: 3384

the leader1 dead using 285

Number of cycles run: 2454

the leader1 dead using 168

the leader1 dead using 168

the leader1 dead using 168

Number of cycles run: 2903

Number of cycles run: 6736

the leader1 dead using 200

the leader1 dead using 200

Number of cycles run: 1520

the leader1 dead using 211

the leader1 dead using 211

the leader1 dead using 211

Number of cycles run: 10835

Number of cycles run: 50000

the leader1 dead using 2004

the leader1 dead using 2004

Number of cycles run: 2264

the leader1 dead using 2769

Number of cycles run: 3101

the leader1 dead using 174

the leader1 dead using 174

Number of cycles run: 1592

the leader1 dead using 436

the leader1 dead using 436

the leader1 dead using 436

Number of cycles run: 2055

the leader1 dead using 2066

the leader1 dead using 2066

the leader1 dead using 2066

the leader1 dead using 2066

Number of cycles run: 3670

the leader1 dead using 183

the leader1 dead using 183

Number of cycles run: 768

the leader1 dead using 1327

Number of cycles run: 1830

the leader1 dead using 549

the leader1 dead using 549

the leader1 dead using 549

Number of cycles run: 1347

the leader1 dead using 8313

Number of cycles run: 8434

the leader1 dead using 1273

Number of cycles run: 2502

the leader1 dead using 550

the leader1 dead using 550

Number of cycles run: 8880

Av cycles for leadership strength 4.0 is 7846

standard diviation is 12195.8482719

Testing average cycles for leadership strength 4.0

the leader1 dead using 381

Number of cycles run: 1655

the leader1 dead using 399

Number of cycles run: 19457

the leader1 dead using 1048

the leader1 dead using 1048

the leader1 dead using 1048

Number of cycles run: 1540

the leader1 dead using 531

the leader1 dead using 531

Number of cycles run: 1723

the leader1 dead using 19605

the leader1 dead using 19605

the leader1 dead using 19605

the leader1 dead using 19605

Number of cycles run: 20676

Number of cycles run: 9402

the leader1 dead using 202

the leader1 dead using 202

the leader1 dead using 202

the leader1 dead using 202

the leader1 dead using 202

the leader1 dead using 202

the leader1 dead using 202

Number of cycles run: 28448

the leader1 dead using 426

the leader1 dead using 426

Number of cycles run: 1213

the leader1 dead using 184

the leader1 dead using 184

the leader1 dead using 184

Number of cycles run: 5679

the leader1 dead using 199

the leader1 dead using 199

the leader1 dead using 199

Number of cycles run: 1002

the leader1 dead using 214

the leader1 dead using 214

the leader1 dead using 214

Number of cycles run: 3446

the leader1 dead using 1724

the leader1 dead using 1724

the leader1 dead using 1724

Number of cycles run: 1891

the leader1 dead using 1649

the leader1 dead using 1649

the leader1 dead using 1649

Number of cycles run: 2641

the leader1 dead using 8042

Number of cycles run: 8810

the leader1 dead using 1816

the leader1 dead using 1816

Number of cycles run: 2893

the leader1 dead using 297

the leader1 dead using 297

the leader1 dead using 297

Number of cycles run: 2430

the leader1 dead using 283

the leader1 dead using 283

the leader1 dead using 283

the leader1 dead using 283

Number of cycles run: 29311

the leader1 dead using 380

the leader1 dead using 380

Number of cycles run: 10651

the leader1 dead using 2696

Number of cycles run: 3357

the leader1 dead using 5544

the leader1 dead using 5544

Number of cycles run: 5992

the leader1 dead using 791

the leader1 dead using 791

the leader1 dead using 791

the leader1 dead using 791

Number of cycles run: 2448

the leader1 dead using 216

Number of cycles run: 50000

the leader1 dead using 391

Number of cycles run: 1711

the leader1 dead using 395

Number of cycles run: 1116

the leader1 dead using 318

the leader1 dead using 318

the leader1 dead using 318

Number of cycles run: 3116

the leader1 dead using 324

the leader1 dead using 324

Number of cycles run: 1417

the leader1 dead using 216

the leader1 dead using 216

the leader1 dead using 216

the leader1 dead using 216

the leader1 dead using 216

the leader1 dead using 216

the leader1 dead using 216

Number of cycles run: 1267

the leader1 dead using 417

the leader1 dead using 417

Number of cycles run: 1060

the leader1 dead using 375

the leader1 dead using 375

the leader1 dead using 375

Number of cycles run: 50000

the leader1 dead using 6508

Number of cycles run: 11880

the leader1 dead using 768

Number of cycles run: 1247

the leader1 dead using 2978

the leader1 dead using 2978

the leader1 dead using 2978

Number of cycles run: 3338

the leader1 dead using 190

the leader1 dead using 190

the leader1 dead using 190

the leader1 dead using 190

Number of cycles run: 3749

the leader1 dead using 449

the leader1 dead using 449

the leader1 dead using 449

Number of cycles run: 1641

the leader1 dead using 911

the leader1 dead using 911

the leader1 dead using 911

Number of cycles run: 1775

Number of cycles run: 16054

the leader1 dead using 234

the leader1 dead using 234

the leader1 dead using 234

the leader1 dead using 234

the leader1 dead using 234

Number of cycles run: 962

the leader1 dead using 7369

Number of cycles run: 23810

the leader1 dead using 556

the leader1 dead using 556

Number of cycles run: 982

the leader1 dead using 360

the leader1 dead using 360

Number of cycles run: 7740

the leader1 dead using 815

the leader1 dead using 815

the leader1 dead using 815

the leader1 dead using 815

Number of cycles run: 50000

the leader1 dead using 2864

the leader1 dead using 2864

Number of cycles run: 3136

the leader1 dead using 181

the leader1 dead using 181

the leader1 dead using 181

the leader1 dead using 181

Number of cycles run: 894

the leader1 dead using 479

the leader1 dead using 479

the leader1 dead using 479

Number of cycles run: 2101

the leader1 dead using 288

the leader1 dead using 288

the leader1 dead using 288

Number of cycles run: 5284

the leader1 dead using 165

the leader1 dead using 165

the leader1 dead using 165

Number of cycles run: 1618

the leader1 dead using 210

Number of cycles run: 20602

the leader1 dead using 6735

the leader1 dead using 6735

Number of cycles run: 9025

the leader1 dead using 864

the leader1 dead using 864

Number of cycles run: 1509

the leader1 dead using 495

the leader1 dead using 495

the leader1 dead using 495

Number of cycles run: 41915

Av cycles for leadership strength 4.0 is 9672

standard diviation is 13626.4990563

Testing average cycles for leadership strength 4.0

the leader1 dead using 9699

Number of cycles run: 13000

the leader1 dead using 465

Number of cycles run: 1171

the leader1 dead using 181

the leader1 dead using 181

the leader1 dead using 181

the leader1 dead using 181

the leader1 dead using 181

the leader1 dead using 181

Number of cycles run: 3972

Number of cycles run: 50000

the leader1 dead using 209

the leader1 dead using 209

the leader1 dead using 209

the leader1 dead using 209

Number of cycles run: 2542

the leader1 dead using 480

Number of cycles run: 1572

the leader1 dead using 1222

Number of cycles run: 5978

the leader1 dead using 262

the leader1 dead using 262

the leader1 dead using 262

the leader1 dead using 262

Number of cycles run: 883

the leader1 dead using 2001

the leader1 dead using 2001

the leader1 dead using 2001

the leader1 dead using 2001

Number of cycles run: 3860

the leader1 dead using 836

the leader1 dead using 836

the leader1 dead using 836

Number of cycles run: 1130

the leader1 dead using 247

the leader1 dead using 247

Number of cycles run: 15896

the leader1 dead using 287

the leader1 dead using 287

the leader1 dead using 287

the leader1 dead using 287

Number of cycles run: 2889

the leader1 dead using 220

the leader1 dead using 220

Number of cycles run: 5324

the leader1 dead using 220

the leader1 dead using 220

the leader1 dead using 220

the leader1 dead using 220

Number of cycles run: 705

the leader1 dead using 234

Number of cycles run: 1150

the leader1 dead using 143

the leader1 dead using 143

the leader1 dead using 143

Number of cycles run: 1215

the leader1 dead using 656

the leader1 dead using 656

the leader1 dead using 656

Number of cycles run: 885

Number of cycles run: 50000

the leader1 dead using 742

the leader1 dead using 742

the leader1 dead using 742

Number of cycles run: 1119

the leader1 dead using 662

the leader1 dead using 662

Number of cycles run: 1256

the leader1 dead using 39566

the leader1 dead using 39566

the leader1 dead using 39566

Number of cycles run: 40130

the leader1 dead using 211

the leader1 dead using 211

the leader1 dead using 211

the leader1 dead using 211

the leader1 dead using 211

Number of cycles run: 1933

the leader1 dead using 201