

>> %M为标准化后随机变量，E0为均值，D0为方差

M=(P-3)/2

E0=mean(mean(M))

D0=var(M,1)

M =

0.5377

1.8339

-2.2588

0.8622

0.3188

-1.3077

-0.4336

0.3426

3.5784

2.7694

-1.3499

3.0349

0.7254

-0.0631

0.7147

-0.2050

-0.1241

1.4897

1.4090

1.4172

0.6715

-1.2075

0.7172

1.6302

0.4889

1.0347

0.7269

-0.3034

0.2939

-0.7873

0.8884

-1.1471

-1.0689

-0.8095

-2.9443

1.4384

0.3252

-0.7549

1.3703

-1.7115

-0.1022

-0.2414

0.3192

0.3129

-0.8649

-0.0301

-0.1649

0.6277

1.0933

1.1093

-0.8637

0.0774

-1.2141

-1.1135

-0.0068

1.5326

-0.7697

0.3714

-0.2256

1.1174

-1.0891

0.0326

0.5525

1.1006

1.5442

0.0859

-1.4916

-0.7423

-1.0616

2.3505

-0.6156

0.7481

-0.1924

0.8886

-0.7648

-1.4023

-1.4224

0.4882

-0.1774

-0.1961

1.4193

0.2916

0.1978

1.5877

-0.8045

0.6966

0.8351

-0.2437

0.2157

-1.1658

-1.1480

0.1049

0.7223

2.5855

-0.6669

0.1873

-0.0825

-1.9330

-0.4390

-1.7947

0.8404

-0.8880

0.1001

-0.5445

0.3035

-0.6003

0.4900

0.7394

1.7119

-0.1941

-2.1384

-0.8396

1.3546

-1.0722

0.9610

0.1240

1.4367

-1.9609

-0.1977

-1.2078

2.9080

0.8252

1.3790

-1.0582

-0.4686

-0.2725

1.0984

-0.2779

0.7015

-2.0518

-0.3538

-0.8236

-1.5771

0.5080

0.2820

0.0335

-1.3337

1.1275

0.3502

-0.2991

0.0229

-0.2620

-1.7502

-0.2857

-0.8314

-0.9792

-1.1564

-0.5336

-2.0026

0.9642

0.5201

-0.0200

-0.0348

-0.7982

1.0187

-0.1332

-0.7145

1.3514

-0.2248

-0.5890

-0.2938

-0.8479

-1.1201

2.5260

1.6555

0.3075

-1.2571

-0.8655

-0.1765

0.7914

-1.3320

-2.3299

-1.4491

0.3335

0.3914

0.4517

-0.1303

0.1837

-0.4762

0.8620

-1.3617

0.4550

-0.8487

-0.3349

0.5528

1.0391

-1.1176

1.2607

0.6601

-0.0679

-0.1952

-0.2176

-0.3031

0.0230

0.0513

0.8261

1.5270

0.4669

-0.2097

0.6252

0.1832

-1.0298

0.9492

0.3071

0.1352

0.5152

0.2614

-0.9415

-0.1623

-0.1461

-0.5320

1.6821

-0.8757

-0.4838

-0.7120

-1.1742

-0.1922

-0.2741

1.5301

-0.2490

-1.0642

1.6035

1.2347

-0.2296

-1.5062

-0.4446

-0.1559

0.2761

-0.2612

0.4434

0.3919

-1.2507

-0.9480

-0.7411

-0.5078

-0.3206

0.0125

-3.0292

-0.4570

1.2424

-1.0667

0.9337

0.3503

-0.0290

0.1825

-1.5651

-0.0845

1.6039

0.0983

0.0414

-0.7342

-0.0308

0.2323

0.4264

-0.3728

-0.2365

2.0237

-2.2584

2.2294

0.3376

1.0001

-1.6642

-0.5900

-0.2781

0.4227

-1.6702

0.4716

-1.2128

0.0662

0.6524

0.3271

1.0826

1.0061

-0.6509

0.2571

-0.9444

-1.3218

0.9248

0.0000

-0.0549

0.9111

0.5946

0.3502

1.2503

0.9298

0.2398

-0.6904

-0.6516

1.1921

-1.6118

-0.0245

-1.9488

1.0205

0.8617

0.0012

-0.0708

-2.4863

0.5812

-2.1924

-2.3193

0.0799

-0.9485

0.4115

0.6770

0.8577

-0.6912

0.4494

0.1006

0.8261

0.5362

0.8979

-0.1319

-0.1472

1.0078

-2.1237

-0.5046

-1.2706

-0.3826

0.6487

0.8257

-1.0149

-0.4711

0.1370

-0.2919

0.3018

0.3999

-0.9300

-0.1768

-2.1321

1.1454

-0.6291

-1.2038

-0.2539

-1.4286

-0.0209

-0.5607

2.1778

1.1385

-2.4969

0.4413

-1.3981

-0.2551

0.1644

0.7477

-0.2730

1.5763

-0.4809

0.3275

0.6647

0.0852

0.8810

0.3232

-0.7841

-1.8054

1.8586

-0.6045

0.1034

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-0.9047

-0.4677

-0.1249

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-0.8608

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-0.2841

-0.0867

-1.4694

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-0.8223

-0.0942

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-1.8359

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0.9594

-0.3158

0.4286

-1.0360

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-0.8759

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-0.5583

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-0.1178

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-0.5408

-0.3086

-1.0966

-0.4930

-0.1807

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-0.0638

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-0.7519

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-0.0326

1.6360

-0.4251

0.5894

-0.0628

-2.0220

-0.9821

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-0.0549

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-0.9930

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-0.6407

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-1.0799

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-1.5210

-0.7236

-0.5933

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-0.3731

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0.4128

-0.9870

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-0.6572

-0.6039

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0.2458

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-1.6387

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-0.8188

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-0.0142

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-0.0095

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-1.5409

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-1.8530

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-0.6528

0.4772

-0.0713

-0.9383

0.1614

-0.2682

-0.4099

-0.7113

0.0614

-1.8461

-0.3983

-0.5435

-0.9119

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-0.1569

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-0.0810

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-0.9896

-1.8288

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-1.0206

-3.0730

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-0.1973

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-1.4193

-0.7294

1.1473

0.5979

-1.2813

-2.2033

-0.5712

0.2140

0.9424

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-1.1223

0.3062

-1.1723

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-0.2710

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-0.3862

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-0.0915

-0.7603

-0.6936

1.2815

-0.8097

-1.2368

0.2147

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-1.1560

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3.5267

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1.9151

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-1.0531

0.6478

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1.7690

1.5106

0.1640

-0.2828

1.1522

-1.1465

E0 =

-0.0326

D0 =

0.9969

【结论】期望为-0.0326，方差为0.9969，符合预期