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**#1001387435**

**pca\_power pendigits\_training.txt pendigits\_test.txt 1 10**

Eigenvector 1

1: -0.0266

2: -0.0632

3: 0.1814

4: 0.1231

5: 0.1998

6: 0.3188

7: 0.1460

8: 0.4154

9: 0.2096

10: 0.2304

11: 0.1693

12: -0.1552

13: -0.0434

14: -0.4407

15: -0.2138

16: -0.4693

Test object 0

1: -30.1139

**pca\_power satellite\_training.txt satellite\_test.txt 2 20**

Eigenvector 1

1: 0.1357

2: 0.2670

3: 0.1291

4: 0.0486

5: 0.1381

6: 0.2717

7: 0.1315

8: 0.0498

9: 0.1344

10: 0.2641

11: 0.1268

12: 0.0472

13: 0.1383

14: 0.2738

15: 0.1332

16: 0.0499

17: 0.1418

18: 0.2802

19: 0.1357

20: 0.0508

21: 0.1381

22: 0.2736

23: 0.1313

24: 0.0489

25: 0.1323

26: 0.2645

27: 0.1282

28: 0.0476

29: 0.1360

30: 0.2718

31: 0.1304

32: 0.0479

33: 0.1331

34: 0.2673

35: 0.1261

36: 0.0455

Eigenvector 2

1: -0.0717

2: -0.0942

3: 0.1721

4: 0.2470

5: -0.0715

6: -0.0944

7: 0.1767

8: 0.2529

9: -0.0699

10: -0.0923

11: 0.1755

12: 0.2486

13: -0.0721

14: -0.0973

15: 0.1791

16: 0.2589

17: -0.0733

18: -0.0985

19: 0.1863

20: 0.2664

21: -0.0719

22: -0.0960

23: 0.1828

24: 0.2602

25: -0.0704

26: -0.0932

27: 0.1738

28: 0.2505

29: -0.0712

30: -0.0964

31: 0.1799

32: 0.2583

33: -0.0716

34: -0.0967

35: 0.1767

36: 0.2536

Test object 0

1: 514.0551

2: 230.9335

**pca\_power yeast\_training.txt yeast\_test.txt 3 30**

Eigenvector 1

1: 0.6926

2: 0.5947

3: -0.1223

4: 0.3643

5: 0.0294

6: -0.0089

7: 0.0200

8: -0.1328

Eigenvector 2

1: -0.2877

2: -0.2026

3: 0.1388

4: 0.9219

5: -0.0147

6: -0.0206

7: -0.0780

8: -0.0200

Eigenvector 3

1: 0.0206

2: 0.1058

3: -0.1615

4: 0.0820

5: -0.0030

6: -0.0478

7: 0.0948

8: 0.9717

Test object 0

1: 0.6567

2: -0.0634

3: 0.3106