------ # 0 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:48:59.841000 with 4 inputs, 2 outputs, [0] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:48:59.878000 with training error 0.125785 and weight change 0.012539

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 2

Starting training at time 21:48:59.892000 with 4 inputs, 2 outputs, [0] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:48:59.931000 with training error 0.125784 and weight change 0.012539

Feed Forward Test correctly classified 0, incorrectly classified 4, test percent error 0.000000

Iteration # 3

Starting training at time 21:48:59.944000 with 4 inputs, 2 outputs, [0] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:48:59.972000 with training error 0.125785 and weight change 0.012539

Feed Forward Test correctly classified 0, incorrectly classified 4, test percent error 0.000000

Iteration # 4

Starting training at time 21:49:01.787000 with 4 inputs, 2 outputs, [0] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:01.820000 with training error 0.125785 and weight change 0.012539

Feed Forward Test correctly classified 0, incorrectly classified 4, test percent error 0.000000

Iteration # 5

Starting training at time 21:49:01.830000 with 4 inputs, 2 outputs, [0] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:01.886000 with training error 0.125785 and weight change 0.012539

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration result:

Accuracy standard deviation: 0.244948974278

Accuracy average: 0.2

Max accuracy: 0.5

------ # 1 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:02.070000 with 4 inputs, 2 outputs, [1] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:02.148000 with training error 0.125903 and weight change 0.004952

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 2

Starting training at time 21:49:02.314000 with 4 inputs, 2 outputs, [1] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:02.411000 with training error 0.125441 and weight change 0.003736

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 3

Starting training at time 21:49:02.569000 with 4 inputs, 2 outputs, [1] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:02.649000 with training error 0.125130 and weight change 0.005100

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 4

Starting training at time 21:49:02.752000 with 4 inputs, 2 outputs, [1] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:02.838000 with training error 0.125428 and weight change 0.004290

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 5

Starting training at time 21:49:02.920000 with 4 inputs, 2 outputs, [1] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:03.011000 with training error 0.125534 and weight change 0.005033

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration result:

Accuracy standard deviation: 0.158113883008

Accuracy average: 0.5

Max accuracy: 0.75

------ # 2 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:03.197000 with 4 inputs, 2 outputs, [2] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:03.313000 with training error 0.126234 and weight change 0.003478

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 2

Starting training at time 21:49:03.439000 with 4 inputs, 2 outputs, [2] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:03.538000 with training error 0.126192 and weight change 0.004088

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 3

Starting training at time 21:49:03.662000 with 4 inputs, 2 outputs, [2] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:03.761000 with training error 0.126487 and weight change 0.003128

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 4

Starting training at time 21:49:03.882000 with 4 inputs, 2 outputs, [2] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:03.982000 with training error 0.126655 and weight change 0.003781

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 5

Starting training at time 21:49:04.126000 with 4 inputs, 2 outputs, [2] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:04.235000 with training error 0.125872 and weight change 0.003877

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration result:

Accuracy standard deviation: 0.122474487139

Accuracy average: 0.35

Max accuracy: 0.5

------ # 3 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:04.471000 with 4 inputs, 2 outputs, [3] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:04.591000 with training error 0.126633 and weight change 0.003538

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 2

Starting training at time 21:49:04.700000 with 4 inputs, 2 outputs, [3] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:04.807000 with training error 0.123764 and weight change 0.003512

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 3

Starting training at time 21:49:04.939000 with 4 inputs, 2 outputs, [3] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:05.069000 with training error 0.126417 and weight change 0.003260

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 4

Starting training at time 21:49:05.188000 with 4 inputs, 2 outputs, [3] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:05.346000 with training error 0.122935 and weight change 0.003606

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 5

Starting training at time 21:49:05.437000 with 4 inputs, 2 outputs, [3] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:05.564000 with training error 0.124259 and weight change 0.004098

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration result:

Accuracy standard deviation: 0.122474487139

Accuracy average: 0.4

Max accuracy: 0.5

------ # 4 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:05.734000 with 4 inputs, 2 outputs, [4] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:05.857000 with training error 0.127044 and weight change 0.003273

Feed Forward Test correctly classified 0, incorrectly classified 4, test percent error 0.000000

Iteration # 2

Starting training at time 21:49:05.953000 with 4 inputs, 2 outputs, [4] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:06.101000 with training error 0.126826 and weight change 0.003172

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 3

Starting training at time 21:49:06.179000 with 4 inputs, 2 outputs, [4] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:06.304000 with training error 0.123464 and weight change 0.003342

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 4

Starting training at time 21:49:06.417000 with 4 inputs, 2 outputs, [4] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:06.585000 with training error 0.126256 and weight change 0.002913

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 5

Starting training at time 21:49:06.673000 with 4 inputs, 2 outputs, [4] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:06.804000 with training error 0.125997 and weight change 0.002943

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration result:

Accuracy standard deviation: 0.187082869339

Accuracy average: 0.3

Max accuracy: 0.5

------ # 5 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:06.989000 with 4 inputs, 2 outputs, [5] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:07.147000 with training error 0.125530 and weight change 0.003364

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 2

Starting training at time 21:49:07.229000 with 4 inputs, 2 outputs, [5] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:07.410000 with training error 0.126906 and weight change 0.002678

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 3

Starting training at time 21:49:07.504000 with 4 inputs, 2 outputs, [5] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:07.659000 with training error 0.126898 and weight change 0.002486

Feed Forward Test correctly classified 0, incorrectly classified 4, test percent error 0.000000

Iteration # 4

Starting training at time 21:49:07.745000 with 4 inputs, 2 outputs, [5] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:07.905000 with training error 0.127566 and weight change 0.003140

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 5

Starting training at time 21:49:07.988000 with 4 inputs, 2 outputs, [5] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:08.131000 with training error 0.125684 and weight change 0.003302

Feed Forward Test correctly classified 0, incorrectly classified 4, test percent error 0.000000

Iteration result:

Accuracy standard deviation: 0.187082869339

Accuracy average: 0.2

Max accuracy: 0.5

------ # 6 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:08.303000 with 4 inputs, 2 outputs, [6] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:08.495000 with training error 0.126420 and weight change 0.003046

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 2

Starting training at time 21:49:08.625000 with 4 inputs, 2 outputs, [6] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:08.817000 with training error 0.126801 and weight change 0.002701

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 3

Starting training at time 21:49:08.963000 with 4 inputs, 2 outputs, [6] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:09.142000 with training error 0.126886 and weight change 0.002900

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 4

Starting training at time 21:49:09.240000 with 4 inputs, 2 outputs, [6] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:09.451000 with training error 0.127266 and weight change 0.003108

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 5

Starting training at time 21:49:09.589000 with 4 inputs, 2 outputs, [6] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:09.760000 with training error 0.127940 and weight change 0.003072

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration result:

Accuracy standard deviation: 0.1

Accuracy average: 0.3

Max accuracy: 0.5

------ # 7 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:09.946000 with 4 inputs, 2 outputs, [7] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:10.165000 with training error 0.125994 and weight change 0.002822

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 2

Starting training at time 21:49:10.259000 with 4 inputs, 2 outputs, [7] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:10.492000 with training error 0.126281 and weight change 0.002404

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 3

Starting training at time 21:49:10.607000 with 4 inputs, 2 outputs, [7] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:10.867000 with training error 0.125435 and weight change 0.002905

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 4

Starting training at time 21:49:10.953000 with 4 inputs, 2 outputs, [7] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:11.169000 with training error 0.124634 and weight change 0.002915

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 5

Starting training at time 21:49:11.296000 with 4 inputs, 2 outputs, [7] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:11.510000 with training error 0.127485 and weight change 0.002777

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration result:

Accuracy standard deviation: 0.122474487139

Accuracy average: 0.35

Max accuracy: 0.5

------ # 8 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:11.785000 with 4 inputs, 2 outputs, [8] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:12.083000 with training error 0.127306 and weight change 0.002704

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 2

Starting training at time 21:49:12.179000 with 4 inputs, 2 outputs, [8] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:12.430000 with training error 0.127104 and weight change 0.002711

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 3

Starting training at time 21:49:12.526000 with 4 inputs, 2 outputs, [8] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:12.748000 with training error 0.126417 and weight change 0.003011

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 4

Starting training at time 21:49:12.894000 with 4 inputs, 2 outputs, [8] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:13.187000 with training error 0.121673 and weight change 0.002837

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 5

Starting training at time 21:49:13.286000 with 4 inputs, 2 outputs, [8] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:13.500000 with training error 0.117217 and weight change 0.003198

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration result:

Accuracy standard deviation: 0.122474487139

Accuracy average: 0.4

Max accuracy: 0.5

------ # 9 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:13.717000 with 4 inputs, 2 outputs, [9] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:13.984000 with training error 0.119901 and weight change 0.003006

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 2

Starting training at time 21:49:14.066000 with 4 inputs, 2 outputs, [9] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:14.289000 with training error 0.124145 and weight change 0.002367

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 3

Starting training at time 21:49:14.417000 with 4 inputs, 2 outputs, [9] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:14.633000 with training error 0.123526 and weight change 0.002789

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 4

Starting training at time 21:49:14.748000 with 4 inputs, 2 outputs, [9] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:15.012000 with training error 0.125552 and weight change 0.002822

Feed Forward Test correctly classified 0, incorrectly classified 4, test percent error 0.000000

Iteration # 5

Starting training at time 21:49:15.097000 with 4 inputs, 2 outputs, [9] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:15.298000 with training error 0.122134 and weight change 0.003044

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration result:

Accuracy standard deviation: 0.158113883008

Accuracy average: 0.25

Max accuracy: 0.5

------ # 10 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:15.526000 with 4 inputs, 2 outputs, [10] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:15.790000 with training error 0.125490 and weight change 0.002550

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 2

Starting training at time 21:49:15.864000 with 4 inputs, 2 outputs, [10] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:16.148000 with training error 0.121251 and weight change 0.002653

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 3

Starting training at time 21:49:16.232000 with 4 inputs, 2 outputs, [10] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:16.483000 with training error 0.123584 and weight change 0.002839

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 4

Starting training at time 21:49:16.580000 with 4 inputs, 2 outputs, [10] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:16.898000 with training error 0.128616 and weight change 0.002733

Feed Forward Test correctly classified 0, incorrectly classified 4, test percent error 0.000000

Iteration # 5

Starting training at time 21:49:17.092000 with 4 inputs, 2 outputs, [10] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:17.370000 with training error 0.119989 and weight change 0.002690

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration result:

Accuracy standard deviation: 0.2

Accuracy average: 0.4

Max accuracy: 0.5

------ # 11 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:17.565000 with 4 inputs, 2 outputs, [11] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:17.883000 with training error 0.121274 and weight change 0.002396

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 2

Starting training at time 21:49:18.033000 with 4 inputs, 2 outputs, [11] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:18.335000 with training error 0.127535 and weight change 0.002871

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 3

Starting training at time 21:49:18.419000 with 4 inputs, 2 outputs, [11] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:18.747000 with training error 0.125893 and weight change 0.002461

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 4

Starting training at time 21:49:18.896000 with 4 inputs, 2 outputs, [11] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:19.213000 with training error 0.126921 and weight change 0.002499

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 5

Starting training at time 21:49:19.355000 with 4 inputs, 2 outputs, [11] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:19.661000 with training error 0.117289 and weight change 0.002627

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration result:

Accuracy standard deviation: 0.1

Accuracy average: 0.45

Max accuracy: 0.5

------ # 12 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:19.850000 with 4 inputs, 2 outputs, [12] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:20.162000 with training error 0.124098 and weight change 0.002934

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 2

Starting training at time 21:49:20.297000 with 4 inputs, 2 outputs, [12] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:20.589000 with training error 0.120672 and weight change 0.002577

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 3

Starting training at time 21:49:20.664000 with 4 inputs, 2 outputs, [12] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:20.959000 with training error 0.121609 and weight change 0.002494

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 4

Starting training at time 21:49:21.046000 with 4 inputs, 2 outputs, [12] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:21.347000 with training error 0.128536 and weight change 0.002915

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 5

Starting training at time 21:49:21.430000 with 4 inputs, 2 outputs, [12] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:21.750000 with training error 0.119814 and weight change 0.002352

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration result:

Accuracy standard deviation: 0.1

Accuracy average: 0.45

Max accuracy: 0.5

------ # 13 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:21.987000 with 4 inputs, 2 outputs, [13] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:22.299000 with training error 0.128253 and weight change 0.002795

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 2

Starting training at time 21:49:22.427000 with 4 inputs, 2 outputs, [13] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:22.799000 with training error 0.121348 and weight change 0.002524

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 3

Starting training at time 21:49:22.883000 with 4 inputs, 2 outputs, [13] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:23.195000 with training error 0.128003 and weight change 0.002453

Feed Forward Test correctly classified 0, incorrectly classified 4, test percent error 0.000000

Iteration # 4

Starting training at time 21:49:23.333000 with 4 inputs, 2 outputs, [13] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:23.712000 with training error 0.124608 and weight change 0.002829

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 5

Starting training at time 21:49:23.854000 with 4 inputs, 2 outputs, [13] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:24.231000 with training error 0.124576 and weight change 0.002786

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration result:

Accuracy standard deviation: 0.2

Accuracy average: 0.35

Max accuracy: 0.5

------ # 14 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:24.459000 with 4 inputs, 2 outputs, [14] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:24.800000 with training error 0.127686 and weight change 0.002776

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 2

Starting training at time 21:49:24.914000 with 4 inputs, 2 outputs, [14] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:25.256000 with training error 0.118608 and weight change 0.002843

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 3

Starting training at time 21:49:25.369000 with 4 inputs, 2 outputs, [14] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:25.699000 with training error 0.119111 and weight change 0.002479

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 4

Starting training at time 21:49:25.831000 with 4 inputs, 2 outputs, [14] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:26.165000 with training error 0.123044 and weight change 0.002167

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 5

Starting training at time 21:49:26.286000 with 4 inputs, 2 outputs, [14] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:26.628000 with training error 0.121307 and weight change 0.002655

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration result:

Accuracy standard deviation: 0.1

Accuracy average: 0.55

Max accuracy: 0.75

------ # 15 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:26.838000 with 4 inputs, 2 outputs, [15] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:27.159000 with training error 0.122467 and weight change 0.002750

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 2

Starting training at time 21:49:27.299000 with 4 inputs, 2 outputs, [15] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:27.667000 with training error 0.118424 and weight change 0.003097

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 3

Starting training at time 21:49:27.755000 with 4 inputs, 2 outputs, [15] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:28.151000 with training error 0.129195 and weight change 0.002514

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 4

Starting training at time 21:49:28.240000 with 4 inputs, 2 outputs, [15] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:28.619000 with training error 0.124487 and weight change 0.002390

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 5

Starting training at time 21:49:28.705000 with 4 inputs, 2 outputs, [15] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:29.104000 with training error 0.125487 and weight change 0.002603

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration result:

Accuracy standard deviation: 0.1

Accuracy average: 0.55

Max accuracy: 0.75

------ # 16 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:29.299000 with 4 inputs, 2 outputs, [16] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:29.705000 with training error 0.116993 and weight change 0.002482

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 2

Starting training at time 21:49:29.793000 with 4 inputs, 2 outputs, [16] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:30.170000 with training error 0.119753 and weight change 0.002768

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 3

Starting training at time 21:49:30.258000 with 4 inputs, 2 outputs, [16] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:30.620000 with training error 0.122517 and weight change 0.002573

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 4

Starting training at time 21:49:30.727000 with 4 inputs, 2 outputs, [16] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:31.095000 with training error 0.128521 and weight change 0.002562

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 5

Starting training at time 21:49:31.183000 with 4 inputs, 2 outputs, [16] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:31.570000 with training error 0.126581 and weight change 0.002845

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration result:

Accuracy standard deviation: 0.1

Accuracy average: 0.45

Max accuracy: 0.5

------ # 17 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:31.764000 with 4 inputs, 2 outputs, [17] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:32.155000 with training error 0.126280 and weight change 0.002563

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 2

Starting training at time 21:49:32.234000 with 4 inputs, 2 outputs, [17] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:32.625000 with training error 0.114377 and weight change 0.002546

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 3

Starting training at time 21:49:32.719000 with 4 inputs, 2 outputs, [17] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:33.147000 with training error 0.121762 and weight change 0.002447

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 4

Starting training at time 21:49:33.280000 with 4 inputs, 2 outputs, [17] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:33.698000 with training error 0.128066 and weight change 0.002823

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 5

Starting training at time 21:49:33.843000 with 4 inputs, 2 outputs, [17] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:34.269000 with training error 0.112910 and weight change 0.002648

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration result:

Accuracy standard deviation: 0.244948974278

Accuracy average: 0.7

Max accuracy: 1.0

------ # 18 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:34.501000 with 4 inputs, 2 outputs, [18] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:34.917000 with training error 0.120035 and weight change 0.002500

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 2

Starting training at time 21:49:35.051000 with 4 inputs, 2 outputs, [18] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:35.469000 with training error 0.117551 and weight change 0.002528

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 3

Starting training at time 21:49:35.624000 with 4 inputs, 2 outputs, [18] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:36.045000 with training error 0.125278 and weight change 0.002739

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 4

Starting training at time 21:49:36.208000 with 4 inputs, 2 outputs, [18] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:36.615000 with training error 0.119990 and weight change 0.002855

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 5

Starting training at time 21:49:36.692000 with 4 inputs, 2 outputs, [18] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:37.139000 with training error 0.124044 and weight change 0.002503

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration result:

Accuracy standard deviation: 0.187082869339

Accuracy average: 0.55

Max accuracy: 0.75

------ # 19 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:37.352000 with 4 inputs, 2 outputs, [19] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:37.844000 with training error 0.120073 and weight change 0.002673

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 2

Starting training at time 21:49:37.926000 with 4 inputs, 2 outputs, [19] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:38.335000 with training error 0.125585 and weight change 0.002702

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 3

Starting training at time 21:49:38.421000 with 4 inputs, 2 outputs, [19] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:38.861000 with training error 0.128062 and weight change 0.002702

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 4

Starting training at time 21:49:38.981000 with 4 inputs, 2 outputs, [19] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:39.427000 with training error 0.125113 and weight change 0.002848

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 5

Starting training at time 21:49:39.551000 with 4 inputs, 2 outputs, [19] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:39.992000 with training error 0.114909 and weight change 0.002535

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration result:

Accuracy standard deviation: 0.122474487139

Accuracy average: 0.6

Max accuracy: 0.75

------ # 20 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:40.225000 with 4 inputs, 2 outputs, [20] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:40.684000 with training error 0.123612 and weight change 0.003012

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 2

Starting training at time 21:49:40.808000 with 4 inputs, 2 outputs, [20] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:41.280000 with training error 0.120230 and weight change 0.002398

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 3

Starting training at time 21:49:41.405000 with 4 inputs, 2 outputs, [20] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:41.893000 with training error 0.126635 and weight change 0.002944

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 4

Starting training at time 21:49:42.016000 with 4 inputs, 2 outputs, [20] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:42.448000 with training error 0.117786 and weight change 0.002521

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 5

Starting training at time 21:49:42.573000 with 4 inputs, 2 outputs, [20] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:43.073000 with training error 0.121434 and weight change 0.002818

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration result:

Accuracy standard deviation: 0.187082869339

Accuracy average: 0.7

Max accuracy: 1.0

------ # 21 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:43.248000 with 4 inputs, 2 outputs, [21] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:43.774000 with training error 0.119198 and weight change 0.002569

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 2

Starting training at time 21:49:43.854000 with 4 inputs, 2 outputs, [21] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:44.355000 with training error 0.121398 and weight change 0.002496

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 3

Starting training at time 21:49:44.441000 with 4 inputs, 2 outputs, [21] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:44.921000 with training error 0.119852 and weight change 0.002539

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 4

Starting training at time 21:49:45.011000 with 4 inputs, 2 outputs, [21] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:45.485000 with training error 0.126426 and weight change 0.002538

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 5

Starting training at time 21:49:45.582000 with 4 inputs, 2 outputs, [21] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:46.039000 with training error 0.121310 and weight change 0.002514

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration result:

Accuracy standard deviation: 0.122474487139

Accuracy average: 0.6

Max accuracy: 0.75

------ # 22 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:46.245000 with 4 inputs, 2 outputs, [22] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:46.767000 with training error 0.120370 and weight change 0.002518

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 2

Starting training at time 21:49:46.853000 with 4 inputs, 2 outputs, [22] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:47.380000 with training error 0.121312 and weight change 0.002805

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 3

Starting training at time 21:49:47.530000 with 4 inputs, 2 outputs, [22] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:48.033000 with training error 0.121790 and weight change 0.002757

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 4

Starting training at time 21:49:48.124000 with 4 inputs, 2 outputs, [22] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:48.633000 with training error 0.127476 and weight change 0.002569

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 5

Starting training at time 21:49:48.733000 with 4 inputs, 2 outputs, [22] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:49.179000 with training error 0.118575 and weight change 0.002434

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration result:

Accuracy standard deviation: 0.187082869339

Accuracy average: 0.55

Max accuracy: 0.75

------ # 23 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:49.398000 with 4 inputs, 2 outputs, [23] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:49.931000 with training error 0.120869 and weight change 0.002810

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 2

Starting training at time 21:49:50.058000 with 4 inputs, 2 outputs, [23] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:50.598000 with training error 0.120302 and weight change 0.002877

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 3

Starting training at time 21:49:50.726000 with 4 inputs, 2 outputs, [23] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:51.246000 with training error 0.121916 and weight change 0.002373

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 4

Starting training at time 21:49:51.346000 with 4 inputs, 2 outputs, [23] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:51.868000 with training error 0.114486 and weight change 0.002371

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 5

Starting training at time 21:49:51.969000 with 4 inputs, 2 outputs, [23] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:52.481000 with training error 0.118138 and weight change 0.002366

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration result:

Accuracy standard deviation: 0.2

Accuracy average: 0.6

Max accuracy: 1.0

------ # 24 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:52.661000 with 4 inputs, 2 outputs, [24] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:53.162000 with training error 0.122244 and weight change 0.002461

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 2

Starting training at time 21:49:53.237000 with 4 inputs, 2 outputs, [24] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:53.743000 with training error 0.121397 and weight change 0.002272

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 3

Starting training at time 21:49:53.829000 with 4 inputs, 2 outputs, [24] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:54.349000 with training error 0.126565 and weight change 0.002389

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 4

Starting training at time 21:49:54.445000 with 4 inputs, 2 outputs, [24] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:55.008000 with training error 0.119281 and weight change 0.002504

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 5

Starting training at time 21:49:55.117000 with 4 inputs, 2 outputs, [24] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:55.651000 with training error 0.103868 and weight change 0.002108

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration result:

Accuracy standard deviation: 0.25495097568

Accuracy average: 0.65

Max accuracy: 1.0

------ # 25 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:55.884000 with 4 inputs, 2 outputs, [25] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:56.463000 with training error 0.111305 and weight change 0.002696

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 2

Starting training at time 21:49:56.549000 with 4 inputs, 2 outputs, [25] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:57.080000 with training error 0.120979 and weight change 0.002584

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 3

Starting training at time 21:49:57.228000 with 4 inputs, 2 outputs, [25] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:57.763000 with training error 0.122650 and weight change 0.002328

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 4

Starting training at time 21:49:57.909000 with 4 inputs, 2 outputs, [25] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:58.480000 with training error 0.119803 and weight change 0.002269

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 5

Starting training at time 21:49:58.571000 with 4 inputs, 2 outputs, [25] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:59.144000 with training error 0.123206 and weight change 0.002319

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration result:

Accuracy standard deviation: 0.2

Accuracy average: 0.85

Max accuracy: 1.0

------ # 26 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:49:59.339000 with 4 inputs, 2 outputs, [26] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:49:59.903000 with training error 0.121686 and weight change 0.002455

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 2

Starting training at time 21:50:00.004000 with 4 inputs, 2 outputs, [26] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:00.561000 with training error 0.117403 and weight change 0.002638

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 3

Starting training at time 21:50:00.683000 with 4 inputs, 2 outputs, [26] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:01.262000 with training error 0.120333 and weight change 0.002369

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 4

Starting training at time 21:50:01.346000 with 4 inputs, 2 outputs, [26] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:01.935000 with training error 0.121418 and weight change 0.002532

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 5

Starting training at time 21:50:02.029000 with 4 inputs, 2 outputs, [26] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:02.613000 with training error 0.132064 and weight change 0.002783

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration result:

Accuracy standard deviation: 0.187082869339

Accuracy average: 0.55

Max accuracy: 0.75

------ # 27 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:50:02.801000 with 4 inputs, 2 outputs, [27] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:03.410000 with training error 0.106046 and weight change 0.002259

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 2

Starting training at time 21:50:03.487000 with 4 inputs, 2 outputs, [27] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:04.062000 with training error 0.127289 and weight change 0.002538

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 3

Starting training at time 21:50:04.168000 with 4 inputs, 2 outputs, [27] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:04.769000 with training error 0.118869 and weight change 0.002625

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 4

Starting training at time 21:50:04.863000 with 4 inputs, 2 outputs, [27] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:05.425000 with training error 0.123430 and weight change 0.002670

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 5

Starting training at time 21:50:05.541000 with 4 inputs, 2 outputs, [27] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:06.133000 with training error 0.110694 and weight change 0.002456

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration result:

Accuracy standard deviation: 0.22360679775

Accuracy average: 0.75

Max accuracy: 1.0

------ # 28 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:50:06.312000 with 4 inputs, 2 outputs, [28] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:06.884000 with training error 0.115985 and weight change 0.002460

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 2

Starting training at time 21:50:06.969000 with 4 inputs, 2 outputs, [28] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:07.640000 with training error 0.121278 and weight change 0.002881

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 3

Starting training at time 21:50:07.759000 with 4 inputs, 2 outputs, [28] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:08.409000 with training error 0.114912 and weight change 0.002436

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 4

Starting training at time 21:50:08.553000 with 4 inputs, 2 outputs, [28] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:09.195000 with training error 0.126835 and weight change 0.002713

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 5

Starting training at time 21:50:09.332000 with 4 inputs, 2 outputs, [28] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:10.018000 with training error 0.126500 and weight change 0.002654

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration result:

Accuracy standard deviation: 0.1

Accuracy average: 0.8

Max accuracy: 1.0

------ # 29 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:50:10.238000 with 4 inputs, 2 outputs, [29] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:10.912000 with training error 0.121002 and weight change 0.002715

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 2

Starting training at time 21:50:11.012000 with 4 inputs, 2 outputs, [29] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:11.655000 with training error 0.123580 and weight change 0.002266

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 3

Starting training at time 21:50:11.791000 with 4 inputs, 2 outputs, [29] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:12.454000 with training error 0.124291 and weight change 0.002657

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 4

Starting training at time 21:50:12.568000 with 4 inputs, 2 outputs, [29] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:13.224000 with training error 0.131368 and weight change 0.002541

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 5

Starting training at time 21:50:13.357000 with 4 inputs, 2 outputs, [29] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:14.012000 with training error 0.111591 and weight change 0.002069

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration result:

Accuracy standard deviation: 0.244948974278

Accuracy average: 0.7

Max accuracy: 1.0

------ # 30 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:50:14.244000 with 4 inputs, 2 outputs, [30] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:14.885000 with training error 0.128468 and weight change 0.002491

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 2

Starting training at time 21:50:15.025000 with 4 inputs, 2 outputs, [30] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:15.666000 with training error 0.124087 and weight change 0.002896

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 3

Starting training at time 21:50:15.807000 with 4 inputs, 2 outputs, [30] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:16.470000 with training error 0.117360 and weight change 0.002527

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 4

Starting training at time 21:50:16.598000 with 4 inputs, 2 outputs, [30] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:17.253000 with training error 0.114246 and weight change 0.002546

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 5

Starting training at time 21:50:17.380000 with 4 inputs, 2 outputs, [30] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:18.004000 with training error 0.117659 and weight change 0.002322

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration result:

Accuracy standard deviation: 0.158113883008

Accuracy average: 0.75

Max accuracy: 1.0

------ # 31 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:50:18.185000 with 4 inputs, 2 outputs, [31] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:18.809000 with training error 0.115496 and weight change 0.002460

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 2

Starting training at time 21:50:18.886000 with 4 inputs, 2 outputs, [31] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:19.591000 with training error 0.123924 and weight change 0.002603

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 3

Starting training at time 21:50:19.673000 with 4 inputs, 2 outputs, [31] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:20.337000 with training error 0.115541 and weight change 0.002456

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 4

Starting training at time 21:50:20.462000 with 4 inputs, 2 outputs, [31] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:21.108000 with training error 0.118832 and weight change 0.002713

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 5

Starting training at time 21:50:21.254000 with 4 inputs, 2 outputs, [31] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:21.933000 with training error 0.112572 and weight change 0.002461

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration result:

Accuracy standard deviation: 0.1

Accuracy average: 0.8

Max accuracy: 1.0

------ # 32 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:50:22.135000 with 4 inputs, 2 outputs, [32] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:22.781000 with training error 0.116647 and weight change 0.002747

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 2

Starting training at time 21:50:22.915000 with 4 inputs, 2 outputs, [32] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:23.581000 with training error 0.124840 and weight change 0.002579

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 3

Starting training at time 21:50:23.690000 with 4 inputs, 2 outputs, [32] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:24.330000 with training error 0.127558 and weight change 0.002308

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 4

Starting training at time 21:50:24.473000 with 4 inputs, 2 outputs, [32] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:25.170000 with training error 0.117587 and weight change 0.002439

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 5

Starting training at time 21:50:25.253000 with 4 inputs, 2 outputs, [32] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:25.946000 with training error 0.117669 and weight change 0.002290

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration result:

Accuracy standard deviation: 0.1

Accuracy average: 0.8

Max accuracy: 1.0

------ # 33 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:50:26.142000 with 4 inputs, 2 outputs, [33] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:26.900000 with training error 0.123169 and weight change 0.002420

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 2

Starting training at time 21:50:27.030000 with 4 inputs, 2 outputs, [33] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:27.761000 with training error 0.127031 and weight change 0.002790

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 3

Starting training at time 21:50:27.845000 with 4 inputs, 2 outputs, [33] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:28.573000 with training error 0.124013 and weight change 0.002542

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 4

Starting training at time 21:50:28.660000 with 4 inputs, 2 outputs, [33] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:29.379000 with training error 0.128532 and weight change 0.002515

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 5

Starting training at time 21:50:29.467000 with 4 inputs, 2 outputs, [33] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:30.209000 with training error 0.125802 and weight change 0.002600

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration result:

Accuracy standard deviation: 0.187082869339

Accuracy average: 0.55

Max accuracy: 0.75

------ # 34 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:50:30.410000 with 4 inputs, 2 outputs, [34] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:31.169000 with training error 0.120305 and weight change 0.002502

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 2

Starting training at time 21:50:31.295000 with 4 inputs, 2 outputs, [34] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:32.024000 with training error 0.119285 and weight change 0.002644

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 3

Starting training at time 21:50:32.116000 with 4 inputs, 2 outputs, [34] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:32.858000 with training error 0.129425 and weight change 0.002762

Feed Forward Test correctly classified 1, incorrectly classified 3, test percent error 0.250000

Iteration # 4

Starting training at time 21:50:32.945000 with 4 inputs, 2 outputs, [34] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:33.698000 with training error 0.119120 and weight change 0.002411

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 5

Starting training at time 21:50:33.838000 with 4 inputs, 2 outputs, [34] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:34.651000 with training error 0.118084 and weight change 0.002300

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration result:

Accuracy standard deviation: 0.187082869339

Accuracy average: 0.55

Max accuracy: 0.75

------ # 35 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:50:34.824000 with 4 inputs, 2 outputs, [35] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:35.551000 with training error 0.122359 and weight change 0.002524

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 2

Starting training at time 21:50:35.627000 with 4 inputs, 2 outputs, [35] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:36.332000 with training error 0.121627 and weight change 0.002485

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 3

Starting training at time 21:50:36.428000 with 4 inputs, 2 outputs, [35] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:37.217000 with training error 0.126627 and weight change 0.002539

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 4

Starting training at time 21:50:37.336000 with 4 inputs, 2 outputs, [35] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:38.088000 with training error 0.107611 and weight change 0.002523

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 5

Starting training at time 21:50:38.239000 with 4 inputs, 2 outputs, [35] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:38.981000 with training error 0.128506 and weight change 0.002527

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration result:

Accuracy standard deviation: 0.187082869339

Accuracy average: 0.7

Max accuracy: 1.0

------ # 36 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:50:39.158000 with 4 inputs, 2 outputs, [36] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:39.962000 with training error 0.107991 and weight change 0.002278

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 2

Starting training at time 21:50:40.054000 with 4 inputs, 2 outputs, [36] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:40.866000 with training error 0.125132 and weight change 0.002568

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 3

Starting training at time 21:50:40.954000 with 4 inputs, 2 outputs, [36] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:41.701000 with training error 0.115362 and weight change 0.002568

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 4

Starting training at time 21:50:41.843000 with 4 inputs, 2 outputs, [36] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:42.618000 with training error 0.123903 and weight change 0.002363

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 5

Starting training at time 21:50:42.745000 with 4 inputs, 2 outputs, [36] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:43.517000 with training error 0.119015 and weight change 0.002567

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration result:

Accuracy standard deviation: 0.187082869339

Accuracy average: 0.8

Max accuracy: 1.0

------ # 37 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:50:43.740000 with 4 inputs, 2 outputs, [37] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:44.532000 with training error 0.126012 and weight change 0.002485

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 2

Starting training at time 21:50:44.612000 with 4 inputs, 2 outputs, [37] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:45.451000 with training error 0.122118 and weight change 0.002789

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 3

Starting training at time 21:50:45.540000 with 4 inputs, 2 outputs, [37] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:46.325000 with training error 0.123123 and weight change 0.002484

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 4

Starting training at time 21:50:46.444000 with 4 inputs, 2 outputs, [37] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:47.298000 with training error 0.118874 and weight change 0.002534

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 5

Starting training at time 21:50:47.396000 with 4 inputs, 2 outputs, [37] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:48.184000 with training error 0.115558 and weight change 0.002577

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration result:

Accuracy standard deviation: 0.22360679775

Accuracy average: 0.75

Max accuracy: 1.0

------ # 38 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:50:48.401000 with 4 inputs, 2 outputs, [38] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:49.211000 with training error 0.115557 and weight change 0.002503

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 2

Starting training at time 21:50:49.299000 with 4 inputs, 2 outputs, [38] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:50.051000 with training error 0.109081 and weight change 0.002426

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 3

Starting training at time 21:50:50.187000 with 4 inputs, 2 outputs, [38] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:50.925000 with training error 0.116343 and weight change 0.002770

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 4

Starting training at time 21:50:51.003000 with 4 inputs, 2 outputs, [38] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:51.781000 with training error 0.118418 and weight change 0.002411

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 5

Starting training at time 21:50:51.883000 with 4 inputs, 2 outputs, [38] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:52.635000 with training error 0.104905 and weight change 0.002356

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration result:

Accuracy standard deviation: 0.122474487139

Accuracy average: 0.9

Max accuracy: 1.0

------ # 39 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:50:52.860000 with 4 inputs, 2 outputs, [39] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:53.733000 with training error 0.110431 and weight change 0.002589

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 2

Starting training at time 21:50:53.854000 with 4 inputs, 2 outputs, [39] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:54.639000 with training error 0.125420 and weight change 0.002752

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 3

Starting training at time 21:50:54.743000 with 4 inputs, 2 outputs, [39] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:55.558000 with training error 0.124695 and weight change 0.002388

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 4

Starting training at time 21:50:55.638000 with 4 inputs, 2 outputs, [39] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:56.506000 with training error 0.125191 and weight change 0.002408

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration # 5

Starting training at time 21:50:56.643000 with 4 inputs, 2 outputs, [39] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:57.460000 with training error 0.123456 and weight change 0.002634

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration result:

Accuracy standard deviation: 0.22360679775

Accuracy average: 0.75

Max accuracy: 1.0

------ # 40 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:50:57.659000 with 4 inputs, 2 outputs, [40] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:58.516000 with training error 0.107096 and weight change 0.002335

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 2

Starting training at time 21:50:58.666000 with 4 inputs, 2 outputs, [40] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:50:59.562000 with training error 0.125488 and weight change 0.002411

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 3

Starting training at time 21:50:59.662000 with 4 inputs, 2 outputs, [40] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:51:00.569000 with training error 0.103468 and weight change 0.002599

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 4

Starting training at time 21:51:00.675000 with 4 inputs, 2 outputs, [40] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:51:01.512000 with training error 0.123658 and weight change 0.002416

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 5

Starting training at time 21:51:01.605000 with 4 inputs, 2 outputs, [40] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:51:02.500000 with training error 0.120169 and weight change 0.002423

Feed Forward Test correctly classified 2, incorrectly classified 2, test percent error 0.500000

Iteration result:

Accuracy standard deviation: 0.187082869339

Accuracy average: 0.8

Max accuracy: 1.0

------ # 41 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:51:02.710000 with 4 inputs, 2 outputs, [41] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:51:03.564000 with training error 0.109037 and weight change 0.002249

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration # 2

Starting training at time 21:51:03.640000 with 4 inputs, 2 outputs, [41] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:51:04.575000 with training error 0.115669 and weight change 0.002573

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 3

Starting training at time 21:51:04.669000 with 4 inputs, 2 outputs, [41] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:51:05.548000 with training error 0.123685 and weight change 0.002512

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 4

Starting training at time 21:51:05.678000 with 4 inputs, 2 outputs, [41] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:51:06.581000 with training error 0.104070 and weight change 0.002518

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 5

Starting training at time 21:51:06.690000 with 4 inputs, 2 outputs, [41] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:51:07.597000 with training error 0.117266 and weight change 0.002486

Feed Forward Test correctly classified 3, incorrectly classified 1, test percent error 0.750000

Iteration result:

Accuracy standard deviation: 0.122474487139

Accuracy average: 0.9

Max accuracy: 1.0

------ # 42 neurons per hidden layer ------

Iteration # 1

Starting training at time 21:51:07.791000 with 4 inputs, 2 outputs, [42] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:51:08.662000 with training error 0.105828 and weight change 0.002199

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 2

Starting training at time 21:51:08.784000 with 4 inputs, 2 outputs, [42] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:51:09.692000 with training error 0.109840 and weight change 0.002683

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 3

Starting training at time 21:51:09.791000 with 4 inputs, 2 outputs, [42] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:51:10.710000 with training error 0.103001 and weight change 0.002243

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 4

Starting training at time 21:51:10.801000 with 4 inputs, 2 outputs, [42] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:51:11.696000 with training error 0.112743 and weight change 0.002244

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration # 5

Starting training at time 21:51:11.797000 with 4 inputs, 2 outputs, [42] hidden layers, size of training set 4, and size of test set 4

Finished after 200 iterations at time 21:51:12.680000 with training error 0.100063 and weight change 0.002282

Feed Forward Test correctly classified 4, incorrectly classified 0, test percent error 1.000000

Iteration result:

Accuracy standard deviation: 0.0

Accuracy average: 1.0

Max accuracy: 1.0