Training MADALINE with 3 Inputs, 4 Hidden Neurons, 1 Outputs

Epoch 1/100, Total Errors: 14

Epoch 2/100, Total Errors: 10

Epoch 3/100, Total Errors: 12

Epoch 4/100, Total Errors: 10

Epoch 5/100, Total Errors: 12

Epoch 6/100, Total Errors: 12

Epoch 7/100, Total Errors: 12

Epoch 8/100, Total Errors: 12

Epoch 9/100, Total Errors: 12

Epoch 10/100, Total Errors: 12

Epoch 11/100, Total Errors: 12

Epoch 12/100, Total Errors: 12

Epoch 13/100, Total Errors: 12

Epoch 14/100, Total Errors: 12

Epoch 15/100, Total Errors: 12

Epoch 16/100, Total Errors: 12

Epoch 17/100, Total Errors: 12

Epoch 18/100, Total Errors: 14

Epoch 19/100, Total Errors: 10

Epoch 20/100, Total Errors: 14

Epoch 21/100, Total Errors: 12

Epoch 22/100, Total Errors: 12

Epoch 23/100, Total Errors: 6

Epoch 24/100, Total Errors: 10

Epoch 25/100, Total Errors: 6

Epoch 26/100, Total Errors: 8

Epoch 27/100, Total Errors: 10

Epoch 28/100, Total Errors: 6

Epoch 29/100, Total Errors: 8

Epoch 30/100, Total Errors: 10

Epoch 31/100, Total Errors: 6

Epoch 32/100, Total Errors: 8

Epoch 33/100, Total Errors: 10

Epoch 34/100, Total Errors: 6

Epoch 35/100, Total Errors: 10

Epoch 36/100, Total Errors: 6

Epoch 37/100, Total Errors: 8

Epoch 38/100, Total Errors: 10

Epoch 39/100, Total Errors: 6

Epoch 40/100, Total Errors: 8

Epoch 41/100, Total Errors: 10

Epoch 42/100, Total Errors: 10

Epoch 43/100, Total Errors: 10

Epoch 44/100, Total Errors: 6

Epoch 45/100, Total Errors: 8

Epoch 46/100, Total Errors: 8

Epoch 47/100, Total Errors: 8

Epoch 48/100, Total Errors: 8

Epoch 49/100, Total Errors: 8

Epoch 50/100, Total Errors: 8

Epoch 51/100, Total Errors: 8

Epoch 52/100, Total Errors: 8

Epoch 53/100, Total Errors: 8

Epoch 54/100, Total Errors: 8

Epoch 55/100, Total Errors: 8

Epoch 56/100, Total Errors: 8

Epoch 57/100, Total Errors: 8

Epoch 58/100, Total Errors: 8

Epoch 59/100, Total Errors: 8

Epoch 60/100, Total Errors: 8

Epoch 61/100, Total Errors: 8

Epoch 62/100, Total Errors: 8

Epoch 63/100, Total Errors: 8

Epoch 64/100, Total Errors: 8

Epoch 65/100, Total Errors: 10

Epoch 66/100, Total Errors: 6

Epoch 67/100, Total Errors: 12

Epoch 68/100, Total Errors: 4

Epoch 69/100, Total Errors: 12

Epoch 70/100, Total Errors: 4

Epoch 71/100, Total Errors: 12

Epoch 72/100, Total Errors: 4

Epoch 73/100, Total Errors: 12

Epoch 74/100, Total Errors: 4

Epoch 75/100, Total Errors: 12

Epoch 76/100, Total Errors: 4

Epoch 77/100, Total Errors: 12

Epoch 78/100, Total Errors: 4

Epoch 79/100, Total Errors: 12

Epoch 80/100, Total Errors: 4

Epoch 81/100, Total Errors: 12

Epoch 82/100, Total Errors: 4

Epoch 83/100, Total Errors: 12

Epoch 84/100, Total Errors: 4

Epoch 85/100, Total Errors: 12

Epoch 86/100, Total Errors: 4

Epoch 87/100, Total Errors: 12

Epoch 88/100, Total Errors: 4

Epoch 89/100, Total Errors: 12

Epoch 90/100, Total Errors: 4

Epoch 91/100, Total Errors: 12

Epoch 92/100, Total Errors: 4

Epoch 93/100, Total Errors: 12

Epoch 94/100, Total Errors: 4

Epoch 95/100, Total Errors: 12

Epoch 96/100, Total Errors: 4

Epoch 97/100, Total Errors: 12

Epoch 98/100, Total Errors: 4

Epoch 99/100, Total Errors: 12

Epoch 100/100, Total Errors: 4

Testing MADALINE:

Input: [-1 -1 -1], Predicted Output: [1], Expected Output: [-1]

Input: [-1 -1 1], Predicted Output: [1], Expected Output: [1]

Input: [-1 1 -1], Predicted Output: [1], Expected Output: [1]

Input: [-1 1 1], Predicted Output: [-1], Expected Output: [-1]

Input: [ 1 -1 -1], Predicted Output: [-1], Expected Output: [1]

Input: [ 1 -1 1], Predicted Output: [-1], Expected Output: [-1]

Input: [ 1 1 -1], Predicted Output: [-1], Expected Output: [-1]

Input: [1 1 1], Predicted Output: [-1], Expected Output: [-1]

Unknown Input: [ 1 -1 1], Predicted Output: [-1]