

Topology	ActivationFcn	EndTrainFcn	PerformFcn	TrainFcn	TrainRatio	ValRatio	TestRatio	MeanTestAccuracy	MeanGlobalAccuracy	MeanEpochs	Run
[50 30]	logsig	softmax	mse	trainscg	0.8	0.1	0.1	84.44	97.11	55.67	4
[50 30]	logsig	softmax	crossentropy	trainscg	0.7	0.15	0.15	82.22	93.97	53.70	5
[50 30]	logsig	softmax	mse	trainscg	0.8	0.1	0.1	81.00	92.67	48.50	5
[50 30]	logsig	softmax	crossentropy	trainrnp	0.8	0.1	0.1	79.33	93.33	34.60	5
[40 30]	tansig	purelin	mse	trainscg	0.7	0.15	0.15	79.26	93.56	68.67	2
50	tansig	tansig	mse	trainlm	0.8	0.1	0.1	78.67			1
[50 30]	logsig	softmax	mse	trainscg	0.7	0.15	0.15	77.78	90.22	56.00	4
50	tansig	tansig	mse	trainscg	0.8	0.1	0.1	77.33			1
[50 30]	logsig	softmax	mse	trainrnp	0.7	0.15	0.15	76.30	90.44	36.00	4
[20 10]	tansig	purelin	mse	trainscg	0.7	0.15	0.15	76.30	92.67	64.00	2
50	tansig	tansig	mse	trainlm	0.7	0.15	0.15	76.00			1
[40 20 10]	logsig	softmax	mse	trainscg	0.8	0.1	0.1	75.56	94.67	72.00	4
20	tansig	tansig	mse	trainlm	0.7	0.15	0.15	75.56			1
80	logsig	softmax	mse	trains	0.8	0.1	0.1	75.00	75.53	5000.00	5
[50 30]	logsig	softmax	crossentropy	trainrnp	0.7	0.15	0.15	74.67	90.57	35.60	5
[40 20 10]	logsig	softmax	mse	trainrnp	0.7	0.15	0.15	74.07	87.78	45.00	4
20	tansig	tansig	mse	trainscg	0.7	0.15	0.15	73.33			1
[50 30]	logsig	softmax	mse	trainscg	0.7	0.15	0.15	72.00	87.00	46.00	5
[40 20 10]	logsig	softmax	mse	trainscg	0.7	0.15	0.15	71.85	88.56	58.00	4
[50 30]	logsig	softmax	mse	trainrnp	0.8	0.1	0.1	71.67	83.07	34.20	5
[40 20 10]	logsig	softmax	crossentropy	trainrnp	0.8	0.1	0.1	71.33	87.13	36.00	5
20	tansig	tansig	mse	trainlm	0.8	0.1	0.1	71.33			1
[40 20 10]	logsig	softmax	mse	trainrnp	0.7	0.15	0.15	71.11	86.87	36.00	5
[20 10]	tansig	purelin	mse	trainlm	0.7	0.15	0.15	71.11	92.22	14.33	2
50	tansig	tansig	mse	trainscg	0.7	0.15	0.15	71.11			1
80	logsig	softmax	mse	trains	0.7	0.15	0.15	70.89	69.43	5000.00	5
80	logsig	softmax	mse	trainscg	0.7	0.15	0.15	70.67	84.57	51.00	5
[20 10]	tansig	tansig	mse	trainlm	0.7	0.15	0.15	70.67			1
80	logsig	softmax	mse	trainrnp	0.7	0.15	0.15	70.37	89.44	46.00	4
20	tansig	purelin	mse	trainlm	0.7	0.15	0.15	69.63	90.22	5.67	2
[40 30]	poslin	purelin	mse	trainlm	0.7	0.15	0.15	69.63	89.44	13.33	2
[50 30]	logsig	softmax	mse	trainrnp	0.7	0.15	0.15	69.33	86.63	36.10	5
[40 20 10]	logsig	softmax	mse	trainscg	0.7	0.15	0.15	68.89	80.77	46.50	5
[40 30]	tansig	purelin	mse	trainlm	0.7	0.15	0.15	68.15	90.78	5.33	2
80	logsig	softmax	mse	trainscg	0.7	0.15	0.15	67.41	78.00	39.67	4
[20 10]	poslin	purelin	mse	trainlm	0.7	0.15	0.15	67.41	87.78	13.00	2
[40 20 10]	logsig	softmax	mse	trainrnp	0.8	0.1	0.1	67.33	89.27	41.80	5
[50 30]	logsig	softmax	mse	trains	0.7	0.15	0.15	66.89	69.87	5000.00	5
80	logsig	softmax	crossentropy	trainrnp	0.8	0.1	0.1	66.67	80.63	28.20	5
[40 20 10]	logsig	softmax	crossentropy	trainrnp	0.7	0.15	0.15	66.67	85.23	37.10	5
80	logsig	softmax	crossentropy	trainscg	0.8	0.1	0.1	66.33	80.30	50.70	5
20	tansig	tansig	mse	trainscg	0.8	0.1	0.1	66.00			1
50	tansig	purelin	mse	trainscg	0.7	0.15	0.15	65.93	87.44	39.33	2
80	logsig	softmax	crossentropy	trainscg	0.7	0.15	0.15	65.78	77.30	53.20	5
80	logsig	softmax	mse	trainscg	0.8	0.1	0.1	65.67	73.10	39.40	5
[20 10]	tansig	tansig	mse	trainlm	0.8	0.1	0.1	65.33			1
[50 30]	logsig	softmax	mse	trains	0.8	0.1	0.1	64.67	65.87	5000.00	5
[50 30]	logsig	softmax	crossentropy	trainscg	0.8	0.1	0.1	64.33	78.03	37.20	5
[40 20 10]	logsig	softmax	crossentropy	trainscg	0.7	0.15	0.15	63.78	74.27	46.20	5
50	poslin	purelin	mse	trainlm	0.7	0.15	0.15	63.70	89.33	7.00	2
[40 20 10]	logsig	softmax	mse	trainrnp	0.8	0.1	0.1	63.33	81.00	36.00	4
50	purelin	purelin	mse	trainlm	0.8	0.1	0.1	63.33			1
50	purelin	purelin	mse	trainscg	0.8	0.1	0.1	63.33			1
[20 10]	tansig	tansig	mse	trainscg	0.8	0.1	0.1	63.33			1
[40 20 10]	logsig	softmax	crossentropy	trainscg	0.8	0.1	0.1	63.00	71.93	50.40	5
[40 20 10]	logsig	softmax	mse	trainscg	0.8	0.1	0.1	63.00	74.10	42.30	5
80	logsig	softmax	crossentropy	trains	0.8	0.1	0.1	62.67	63.60	5000.00	5
80	logsig	softmax	mse	trainrnp	0.7	0.15	0.15	62.44	76.63	33.70	5
80	logsig	softmax	crossentropy	trains	0.7	0.15	0.15	62.00	63.53	5000.00	5
[20 10]	purelin	purelin	mse	trainlm	0.8	0.1	0.1	62.00			1
20	purelin	purelin	mse	trainlm	0.7	0.15	0.15	60.89			1
[20 10]	purelin	purelin	mse	trainlm	0.7	0.15	0.15	60.89			1
20	poslin	softmax	mse	trainlm	0.7	0.15	0.15	60.00	70.78	20.67	2
[50 30]	logsig	softmax	crossentropy	trains	0.8	0.1	0.1	59.33	55.20	5000.00	5
80	logsig	softmax	mse	trainscg	0.8	0.1	0.1	58.89	69.44	51.00	4
30	purelin	purelin	mse	trainscg	0.7	0.15	0.15	58.52	67.22	55.33	3
20	poslin	purelin	mse	trainlm	0.7	0.15	0.15	57.78	79.44	10.33	2
50	tansig	purelin	mse	trainlm	0.7	0.15	0.15	57.78	88.11	4.00	2
80	logsig	softmax	crossentropy	trainrnp	0.7	0.15	0.15	56.00	67.50	22.90	5
[50 30]	logsig	softmax	crossentropy	trains	0.7	0.15	0.15	53.78	52.10	5000.00	5
80	logsig	softmax	mse	trainrnp	0.8	0.1	0.1	53.33	66.44	22.00	4
[10 20 10]	purelin	purelin	mse	trainrnp	0.8	0.1	0.1	53.33	67.22	97.67	3
20	purelin	purelin	mse	trainlm	0.8	0.1	0.1	52.00			1
50	purelin	purelin	mse	trainlm	0.7	0.15	0.15	52.00			1
50	purelin	purelin	mse	trainscg	0.7	0.15	0.15	52.00			1
[20 20]	purelin	purelin	mse	trainscg	0.7	0.15	0.15	51.85	49.56	80.67	3
[40 20 10]	logsig	softmax	mse	trains	0.8	0.1	0.1	50.33	49.47	5000.00	5
[20 10]	tansig	tansig	mse	trainscg	0.7	0.15	0.15	49.78			1
20	tansig	purelin	mse	trainscg	0.7	0.15	0.15	48.89	63.33	26.67	2
[20 10]	tansig	softmax	mse	trainlm	0.7	0.15	0.15	48.89	70.67	21.00	2
20	purelin	purelin	mse	trainscg	0.7	0.15	0.15	48.00			1

A)				
NumLayers	NumNeurons	MeanAccuracy	Epochs	Run
1	10	100	8	1
1	20	100	6	1
1	50	100	4	1
2	[10 10]	100	15	1
2	[20 10]	100	12	1
2	[50 20]	100	5	1
1	10	100	9	2
1	20	100	5	2
1	50	100	4	2
2	[10 10]	100	18	2
2	[20 10]	100	11	2
2	[50 20]	100	5	2

Cj)	
NetID	GlobalAccuracy
1	88.33
2	83.33
3	80.00

Cii)							
NetID	GlobalAccuracy	TestAccuracy	StartSetAccuracy	TrainSetAccuracy	TestSetAccuracy	Epochs	Run
1	99.50	97.78	80.00	93.67	98.33	12.30	2
2	96.33	96.67	83.33	92.00	96.67	11.80	4
1	98.00	95.56	90.00	91.67	100.00	11.50	1
2	96.33	95.56	76.67	94.00	96.67	9.90	1
2	95.00	95.56	83.33	94.67	95.00	11.80	2
1	96.50	95.56	93.33	96.67	95.00	8.30	4
1	94.33	95.56	93.33	96.33	88.33	7.10	5
2	96.50	95.56	83.33	94.33	96.67	11.40	5
1	95.83	92.22	93.33	96.67	93.33	10.30	3
3	80.00	86.67	83.33	91.33	80.00	6.00	3
2	91.33	85.56	76.67	92.00	96.67	9.00	3
3	80.00	83.33	83.33	91.33	80.00	6.00	1
3	80.00	78.89	83.33	91.33	80.00	6.00	4
3	80.00	76.67	83.33	91.33	80.00	6.00	2
3	63.67	66.67	83.33	91.33	80.00	8.50	5

Ciii)							
NetID	GlobalAccuracy	TestAccuracy	StartSetAccuracy	TrainSetAccuracy	TestSetAccuracy	Epochs	Run
1	98.67	98.64	100.00	99.00	98.33	10.30	4
1	97.69	97.80	100.00	98.00	95.00	6.60	5
1	98.38	97.63	100.00	98.67	95.00	7.60	1
2	95.64	97.46	83.33	96.67	93.33	9.90	2
1	97.62	96.78	100.00	99.00	95.00	8.50	2
2	96.05	96.44	83.33	98.00	96.67	10.50	1
2	95.92	95.42	83.33	97.33	95.00	8.40	3
2	96.26	95.25	86.67	97.67	96.67	11.10	4
1	96.72	95.08	90.00	98.00	93.33	7.70	3
2	95.82	94.75	83.33	97.00	95.00	9.30	5
3	88.97	91.02	83.33	91.33	80.00	6.00	1
3	88.97	90.34	83.33	91.33	80.00	6.00	3
3	88.97	90.17	83.33	91.33	80.00	6.00	2
3	88.97	89.32	83.33	91.33	80.00	6.00	4
3	88.97	88.14	83.33	91.33	80.00	6.00	5

D)								
NetID	Accuracy	circle	kite	parallelogram	square	trapezoid	triangle	Run
1	66.67	80.00	20.00	60.00	100.00	40.00	100.00	2
2	60.00	80.00	0.00	80.00	100.00	0.00	100.00	2
1	53.33	40.00	0.00	20.00	100.00	80.00	80.00	1
2	50.00	80.00	0.00	20.00	80.00	60.00	60.00	1
3	40.00	20.00	20.00	20.00	40.00	40.00	100.00	1
3	40.00	40.00	20.00	40.00	20.00	40.00	80.00	2
1	33.33	40.00	20.00	20.00	40.00	20.00	60.00	3
2	20.00	40.00	20.00	20.00	0.00	0.00	40.00	3
3	16.67	40.00	20.00	20.00	0.00	0.00	20.00	3

20	tansig	softmax	mse	trainlm	0.7	0.15	0.15	47.41	58.67	22.67	2
30	purelin	purelin	mse	trainscg	0.8	0.1	0.1	45.56	62.44	48.00	3
80	logsig	softmax	mse	trainrp	0.8	0.1	0.1	45.33	56.20	20.70	5
50	poslin	softmax	mse	trainlm	0.7	0.15	0.15	42.96	43.22	15.67	2
20	purelin	purelin	mse	trainscg	0.8	0.1	0.1	40.67			1
[40 20 10]	logsig	softmax	mse	trains	0.7	0.15	0.15	40.00	44.70	5000.00	5
[20 20]	purelin	purelin	mse	trainscg	0.8	0.1	0.1	40.00	49.11	91.00	3
50	tansig	softmax	mse	trainlm	0.7	0.15	0.15	39.26	49.78	24.00	2
[40 20 10]	logsig	softmax	crossentropy	trains	0.7	0.15	0.15	38.67	38.03	5000.00	5
[50 30]	logsig	softmax	mse	trainrp	0.8	0.1	0.1	35.56	43.56	14.67	4
[40 20 10]	logsig	softmax	crossentropy	trains	0.8	0.1	0.1	35.33	34.80	5000.00	5
[40 30]	poslin	softmax	mse	trainlm	0.7	0.15	0.15	34.81	41.11	23.67	2
[40 30]	tansig	softmax	mse	trainlm	0.7	0.15	0.15	32.59	33.67	13.67	2
[20 10]	purelin	purelin	mse	trainscg	0.7	0.15	0.15	32.00			1
20	poslin	softmax	mse	trainscg	0.7	0.15	0.15	31.11	26.44	25.67	2
[20 10]	tansig	softmax	mse	trainscg	0.7	0.15	0.15	30.37	26.56	16.00	2
[40 30]	poslin	purelin	mse	trainscg	0.7	0.15	0.15	30.37	47.00	161.00	2
[10 20 10]	purelin	purelin	mse	trainscg	0.7	0.15	0.15	28.89	35.89	81.33	3
20	purelin	purelin	mse	trainscg	0.7	0.15	0.15	28.15	29.33	32.33	2
[20 10]	purelin	purelin	mse	trainscg	0.8	0.1	0.1	28.00			1
[10 20 10]	purelin	purelin	mse	trainscg	0.8	0.1	0.1	27.78	42.78	92.00	3
[20 10]	poslin	softmax	mse	trainlm	0.7	0.15	0.15	25.93	40.78	15.33	2
80	poslin	softmax	crossentropy	trains	0.7	0.15	0.15	25.78	24.93	5000.00	5
[50 30]	poslin	softmax	crossentropy	trains	0.8	0.1	0.1	25.33	21.73	5000.00	5
[40 20 10]	poslin	softmax	mse	trains	0.8	0.1	0.1	25.00	21.43	5000.00	5
[20 20]	poslin	poslin	mse	traingd	0.8	0.1	0.1	24.44	16.89	310.33	3
[10 20 10]	poslin	poslin	mse	trainrp	0.7	0.15	0.15	24.44	16.67	3.33	3
[20 10]	poslin	softmax	mse	trainscg	0.7	0.15	0.15	24.44	25.89	13.67	2
80	poslin	softmax	mse	trains	0.8	0.1	0.1	24.33	23.30	5000.00	5
[40 20 10]	poslin	softmax	crossentropy	trains	0.8	0.1	0.1	24.33	22.17	5000.00	5
[40 20 10]	poslin	softmax	mse	trainrp	0.8	0.1	0.1	23.33	19.56	1.33	4
80	poslin	softmax	crossentropy	trainrp	0.7	0.15	0.15	22.67	18.37	1.60	5
[40 20 10]	poslin	softmax	mse	trainscg	0.8	0.1	0.1	22.22	21.44	15.67	4
[10 20 10]	purelin	purelin	mse	trainrp	0.7	0.15	0.15	22.22	37.33	116.33	3
[10 20 10]	poslin	poslin	mse	traingd	0.8	0.1	0.1	22.22	18.33	509.33	3
20	tansig	softmax	mse	trainscg	0.7	0.15	0.15	22.22	26.00	17.33	2
50	poslin	purelin	mse	trainscg	0.7	0.15	0.15	22.22	43.00	69.00	2
[50 30]	poslin	softmax	mse	trains	0.7	0.15	0.15	22.00	19.93	5000.00	5
[40 20 10]	poslin	softmax	crossentropy	trainscg	0.8	0.1	0.1	22.00	18.53	13.40	5
[50 30]	poslin	softmax	crossentropy	trainrp	0.7	0.15	0.15	21.78	19.77	1.60	5
80	poslin	softmax	mse	trains	0.7	0.15	0.15	21.56	21.13	5000.00	5
[40 30]	tansig	softmax	mse	trainscg	0.7	0.15	0.15	21.48	20.11	11.33	2
[50 30]	poslin	softmax	crossentropy	trains	0.7	0.15	0.15	21.33	21.17	5000.00	5
[50 30]	poslin	softmax	mse	trainrp	0.8	0.1	0.1	21.11	18.00	1.33	4
30	hardlim	hardlim	mse	trainrp	0.8	0.1	0.1	21.11	18.22	0.00	3
[10 20 10]	poslin	poslin	mse	trainscg	0.8	0.1	0.1	21.11	16.89	18.33	3
[40 20 10]	poslin	softmax	crossentropy	trains	0.7	0.15	0.15	20.89	20.67	5000.00	5
80	poslin	softmax	mse	trainrp	0.7	0.15	0.15	20.74	17.00	1.00	4
30	hardlim	hardlim	mse	trainscg	0.7	0.15	0.15	20.74	16.89	0.00	3
[10 20 10]	poslin	poslin	mse	trainscg	0.7	0.15	0.15	20.74	17.00	22.33	3
[40 20 10]	poslin	softmax	mse	trains	0.7	0.15	0.15	20.67	20.57	5000.00	5
80	poslin	softmax	crossentropy	trains	0.8	0.1	0.1	20.33	21.50	5000.00	5
[50 30]	poslin	softmax	crossentropy	trainscg	0.8	0.1	0.1	20.00	16.33	6.60	5
[50 30]	poslin	softmax	mse	trainrp	0.7	0.15	0.15	20.00	17.33	1.67	4
30	purelin	purelin	mse	trainrp	0.8	0.1	0.1	20.00	27.56	133.67	3
30	hardlim	hardlim	mse	trainscg	0.8	0.1	0.1	20.00	20.56	0.00	3
[20 20]	hardlim	hardlim	mse	trainrp	0.8	0.1	0.1	20.00	17.22	0.00	3
[10 20 10]	hardlim	hardlim	mse	trainscg	0.7	0.15	0.15	20.00	19.78	0.00	3
[10 20 10]	hardlim	hardlim	mse	trainrp	0.7	0.15	0.15	20.00	18.44	0.00	3
[10 20 10]	poslin	poslin	mse	trainrp	0.8	0.1	0.1	20.00	16.78	4.33	3
[50 30]	poslin	softmax	mse	trainscg	0.7	0.15	0.15	19.26	15.44	7.67	4
30	hardlim	hardlim	mse	trainrp	0.7	0.15	0.15	19.26	16.78	0.00	3
50	tansig	softmax	mse	trainscg	0.7	0.15	0.15	19.26	25.11	24.67	2
80	poslin	softmax	crossentropy	trainscg	0.7	0.15	0.15	18.67	19.17	7.90	5
[20 20]	poslin	poslin	mse	trainscg	0.7	0.15	0.15	18.52	17.11	345.00	3
[20 20]	poslin	poslin	mse	trainrp	0.7	0.15	0.15	18.52	16.67	3.33	3
80	poslin	softmax	crossentropy	trainscg	0.8	0.1	0.1	18.33	18.43	13.00	5
80	poslin	softmax	crossentropy	trainrp	0.8	0.1	0.1	18.33	17.70	1.40	5
[50 30]	poslin	softmax	crossentropy	trainscg	0.7	0.15	0.15	18.22	18.07	12.30	5
[50 30]	poslin	softmax	mse	trainrp	0.7	0.15	0.15	18.22	17.87	12.30	5
[50 30]	poslin	softmax	mse	trains	0.8	0.1	0.1	18.00	20.80	5000.00	5
80	poslin	softmax	mse	trainscg	0.8	0.1	0.1	17.78	20.44	7.00	4
[20 20]	purelin	purelin	mse	trainrp	0.8	0.1	0.1	17.78	25.89	117.33	3
[10 20 10]	hardlim	hardlim	mse	traingd	0.7	0.15	0.15	17.78	16.44	0.00	3
[10 20 10]	poslin	poslin	mse	traingd	0.7	0.15	0.15	17.78	17.78	553.67	3
80	poslin	softmax	mse	trainscg	0.7	0.15	0.15	17.11	18.63	10.40	5
30	purelin	purelin	mse	trainrp	0.7	0.15	0.15	17.04	21.89	100.67	3
30	poslin	poslin	mse	trainscg	0.7	0.15	0.15	17.04	16.89	10.33	3
[20 20]	purelin	purelin	mse	trainrp	0.7	0.15	0.15	17.04	24.44	116.00	3
[20 20]	poslin	poslin	mse	traingd	0.7	0.15	0.15	17.04	17.33	172.67	3
[40 30]	poslin	softmax	mse	trainscg	0.7	0.15	0.15	17.04	18.00	7.33	2
[50 30]	poslin	softmax	mse	trainscg	0.8	0.1	0.1	17.00	18.87	10.90	5
[50 30]	poslin	softmax	mse	trainrp	0.8	0.1	0.1	16.67	17.03	1.70	5

triangle	0	1	2	0	1	46
BR3	circle	kite	parallelogram	square	trapezoid	triangle
circle	37	0	2	5	5	1
kite	0	43	3	1	1	2
parallelogram	0	2	31	11	1	5
square	0	8	3	37	2	0
trapezoid	3	3	5	5	34	0
triangle	3	7	9	1	1	29

BR4	circle	kite	parallelogram	square	trapezoid	triangle
circle	50	0	0	0	0	0
kite	0	49	0	0	0	0
parallelogram	0	1	47	1	0	1
square	0	0	0	50	0	0
trapezoid	0	0	2	0	48	0
triangle	0	0	1	1	0	48

BR5	circle	kite	parallelogram	square	trapezoid	triangle
circle	49	0	0	1	0	0
kite	0	49	1	0	0	0
parallelogram	0	0	46	3	1	0
square	0	0	0	50	0	0
trapezoid	1	0	2	1	46	0
triangle	0	2	0	0	0	48

1-CiR4	circle	kite	parallelogram	square	trapezoid	triangle
circle	65	0	0	0	0	0
kite	0	65	0	0	0	0
parallelogram	0	1	61	1	1	1
square	0	0	0	65	0	0
trapezoid	1	0	4	0	59	1
triangle	0	2	2	0	1	60

1-CiR4	circle	kite	parallelogram	square	trapezoid	triangle
circle	65	0	0	0	0	0
kite	0	65	0	0	0	0
parallelogram	0	0	63	1	0	1
square	0	0	0	65	0	0
trapezoid	0	0	2	0	63	0
triangle	0	0	0	0	0	65

2-CiR5	circle	kite	parallelogram	square	trapezoid	triangle
circle	65	0	0	0	0	0
kite	0	64	0	0	0	1
parallelogram	0	1	60	2	1	1
square	0	0	0	65	0	0
trapezoid	3	0	4	0	58	0
triangle	1	2	3	0	1	58

2-CiR5	circle	kite	parallelogram	square	trapezoid	triangle
circle	65	0	0	0	0	0
kite	0	65	0	0	0	0
parallelogram	0	1	61	1	1	1
square	0	0	0	65	0	0
trapezoid	1	0	3	0	61	0
triangle	0	0	1	0	0	64

3-CiR1	circle	kite	parallelogram	square	trapezoid	triangle
circle	61	0	0	1	3	0
kite	0	63	0	0	0	2
parallelogram	0	0	52	5	7	1
square	1	0	0	62	2	0
trapezoid	0	0	2	0	63	0
triangle	1	0	1	1	1	61

3-CiR1	circle	kite	parallelogram	square	trapezoid	triangle
circle	65	0	0	0	0	0
kite	0	65	0	0	0	0
parallelogram	0	0	62	1	1	1
square	0	0	0	65	0	0
trapezoid	1	0	3	0	61	0
triangle	0	0	0	0	0	65

[40 20 10]	poslin	softmax	mse	trainscg	0.7	0.15	0.15	16.67	19.30	9.90	5
[10 20 10]	hardlim	hardlim	mse	trainscg	0.8	0.1	0.1	16.67	17.78	0.00	3
[50 30]	poslin	softmax	crossentropy	trainrp	0.8	0.1	0.1	16.33	18.27	1.70	5
[40 20 10]	poslin	softmax	crossentropy	trainrp	0.8	0.1	0.1	16.33	17.37	1.70	5
[40 20 10]	poslin	softmax	mse	trainscg	0.7	0.15	0.15	16.30	19.00	19.67	4
30	purelin	purelin	mse	traingd	0.7	0.15	0.15	16.30	16.89	6.00	3
[20 20]	hardlim	hardlim	mse	trainrp	0.7	0.15	0.15	16.30	16.67	0.00	3
[20 10]	poslin	purelin	mse	trainscg	0.7	0.15	0.15	16.30	17.67	23.33	2
80	poslin	softmax	mse	trainrp	0.7	0.15	0.15	16.22	19.20	2.50	5
[50 30]	poslin	softmax	mse	trainrp	0.7	0.15	0.15	16.00	18.97	1.40	5
[40 20 10]	poslin	softmax	crossentropy	trainscg	0.7	0.15	0.15	16.00	19.83	12.70	5
[40 20 10]	poslin	softmax	mse	trainrp	0.8	0.1	0.1	16.00	17.63	1.60	5
80	poslin	softmax	mse	trainscg	0.8	0.1	0.1	15.67	19.53	13.00	5
[50 30]	poslin	softmax	mse	trainscg	0.8	0.1	0.1	15.56	18.22	7.00	4
30	poslin	poslin	mse	traingd	0.7	0.15	0.15	15.56	16.78	135.67	3
30	poslin	poslin	mse	traingd	0.8	0.1	0.1	15.56	16.89	301.67	3
30	poslin	poslin	mse	trainrp	0.7	0.15	0.15	15.56	16.67	3.00	3
[10 20 10]	hardlim	hardlim	mse	trainrp	0.8	0.1	0.1	15.56	15.33	0.00	3
[40 20 10]	poslin	softmax	mse	trainrp	0.7	0.15	0.15	15.33	17.60	1.80	5
[20 20]	purelin	purelin	mse	traingd	0.7	0.15	0.15	14.81	15.78	5.00	3
50	poslin	softmax	mse	trainscg	0.7	0.15	0.15	14.81	14.33	7.33	2
[40 20 10]	poslin	softmax	crossentropy	trainrp	0.7	0.15	0.15	14.67	17.77	1.30	5
30	hardlim	hardlim	mse	traingd	0.8	0.1	0.1	14.44	17.89	0.00	3
[20 20]	hardlim	hardlim	mse	trainscg	0.8	0.1	0.1	14.44	14.89	0.00	3
[20 20]	poslin	poslin	mse	trainscg	0.8	0.1	0.1	14.44	17.00	12.67	3
30	hardlim	hardlim	mse	traingd	0.7	0.15	0.15	14.07	15.56	0.00	3
80	poslin	softmax	mse	trainrp	0.8	0.1	0.1	13.33	15.47	1.60	5
80	poslin	softmax	mse	trainrp	0.8	0.1	0.1	13.33	18.22	1.00	4
30	purelin	purelin	mse	traingd	0.8	0.1	0.1	13.33	17.67	6.00	3
30	poslin	poslin	mse	trainscg	0.8	0.1	0.1	13.33	16.11	12.67	3
[20 20]	hardlim	hardlim	mse	traingd	0.7	0.15	0.15	13.33	14.33	0.00	3
[20 20]	hardlim	hardlim	mse	traingd	0.8	0.1	0.1	13.33	17.78	0.00	3
[20 20]	poslin	poslin	mse	trainrp	0.8	0.1	0.1	13.33	16.56	3.00	3
[10 20 10]	hardlim	hardlim	mse	traingd	0.8	0.1	0.1	13.33	14.33	0.00	3
[40 20 10]	poslin	softmax	mse	trainscg	0.8	0.1	0.1	12.67	16.97	9.30	5
30	poslin	poslin	mse	trainrp	0.8	0.1	0.1	12.22	16.67	2.00	3
[20 20]	purelin	purelin	mse	traingd	0.8	0.1	0.1	12.22	15.89	5.00	3
80	poslin	softmax	mse	trainscg	0.7	0.15	0.15	11.85	14.78	11.00	4
[20 20]	hardlim	hardlim	mse	trainscg	0.7	0.15	0.15	11.85	16.89	0.00	3
[10 20 10]	purelin	purelin	mse	traingd	0.8	0.1	0.1	11.11	16.89	4.00	3
[40 20 10]	poslin	softmax	mse	trainrp	0.7	0.15	0.15	10.37	16.67	1.33	4
[10 20 10]	purelin	purelin	mse	traingd	0.7	0.15	0.15	8.89	16.78	4.00	3