instance nr.

	Seppal len	Seppal wid	Petal len	Petal wid	Class
1	5.1	3.5	1.4	0.2	Iris-setosa
2	4.9	3	1.4	0.2	Iris-setosa
3	4.7	3.2	1.3	0.2	Iris-setosa
4	4.6	3.1	1.5	0.2	Iris-setosa
5	5	3.6	1.4	0.2	Iris-setosa
6	5.4	3.9	1.7	0.4	Iris-setosa
7	4.6	3.4	1.4	0.3	Iris-setosa
8	5	3.4	1.5	0.2	Iris-setosa
9	4.4	2.9	1.4	0.2	Iris-setosa
10	4.9	3.1	1.5	0.1	Iris-setosa
11	7	3.2	4.7	1.4	Iris-versicolor
12	6.4	3.2	4.5	1.5	Iris-versicolor
13	6.9	3.1	4.9	1.5	Iris-versicolor
14	5.5	2.3	4	1.3	Iris-versicolor
15	6.5	2.8	4.6	1.5	Iris-versicolor
16	5.7	2.8	4.5	1.3	Iris-versicolor
17	6.3	3.3	4.7	1.6	Iris-versicolor
18	4.9	2.4	3.3	1	Iris-versicolor
19	6.6	2.9	4.6	1.3	Iris-versicolor
20	5.2	2.7	3.9	1.4	Iris-versicolor
21	6.3	3.3	6	2.5	Iris-virginica
22	5.8	2.7	5.1	1.9	Iris-virginica
23	7.1	3	5.9	2.1	Iris-virginica
24	6.3	2.9	5.6	1.8	Iris-virginica
25	6.5	3	5.8	2.2	Iris-virginica
26	7.6	3	6.6	2.1	Iris-virginica
27	4.9	2.5	4.5	1.7	Iris-virginica
28	7.3	2.9	6.3	1.8	Iris-virginica
29	6.7	2.5	5.8	1.8	Iris-virginica
30	7.2	3.6	6.1	2.5	Iris-virginica
min	4.4	2.3	1.3	0.1	
max	7.6	3.9	6.6	2.5	

Node 0

Inputs	Weights		
Threshold	-1.50722152		
3	-4.186751117	0.855154554	0.917895472055321
4	1.0701203652	0.05437736	0.009069068260214
5	-1.239410735	0.502921544	0.294075932012528
6	-2.959811121	0.586223678	0.926011612775654
7	4.7851268406	0.963057704	0.001944397828013

Node 1

Inputs	Weights		
Threshold	-2.198990152		
3	-1.463837993	0.855154554	0.917895472055321
4	7.5241126612	0.05437736	0.009069068260214
5	-1.427869696	0.502921544	0.294075932012528
6	-0.200920526	0.586223678	0.926011612775654
7	-8.816580865	0.963057704	0.001944397828013

Node 2

Inputs	Weights		
Threshold	-0.766944951		
3	4.2118305725	0.855154554	0.917895472055321
4	-7.334370938	0.05437736	0.009069068260214
5	0.8220957538	0.502921544	0.294075932012528
6	2.0180948415	0.586223678	0.926011612775654
7	-3.075363357	0.963057704	0.001944397828013

		Weighted Sum	Sum with Bias
Node 3			
Inputs	Weights		
Threshold	-1.3652829		
sepallength	-0.604464657	1.775614931	0.410332030880518
sepalwidth	-1.072929046	2.414090353	1.04880745261114
petallength	2.6018260908	-2.55273503	-3.91801793266353

petalwidth	2.2869590221	-4.95507788	-6.32036078126738

Node 4

Inputs	Weights		
Threshold	4.8757271727		
sepallength	0.9722198098	-2.85589569	2.01983148136946
sepalwidth	2.0861223579	-4.69377531	0.181951867470063
petallength	-7.015639929	6.883269364	11.7589965366082
petalwidth	-5.867964709	12.71392354	17.5896507080222

Node 5

Inputs	Weights		
Threshold	-0.228344924		
sepallength	-0.003978318	0.011686309	-0.216658615304885
sepalwidth	0.3891865214	-0.87566967	-1.10401459716131
petallength	0.8452324652	-0.82928468	-1.05762960688246
petalwidth	1.1161346662	-2.41829178	-2.64663670078776

Node 6

Inputs	Weights		
Threshold	0.1383706578		
sepallength	-0.118596044	0.348375878	0.486746536297876
sepalwidth	-1.123101611	2.526978624	2.6653492816969
petallength	1.5583066671	-1.52890465	-1.3905339967167
petalwidth	1.4652017357	-3.17460376	-3.03623310294651

Node 7

Inputs	Weights		
Threshold	-2.935007087		
sepallength	-1.110044665	3.260756204	0.325749117011535
sepalwidth	2.7737140708	-6.24085666	-9.17586374627109
petallength	-3.722024386	3.651797511	0.71679042363904
petalwidth	-3.512802419	7.611071907	4.67606481993768

instance nr.	Normalized			
	Seppal len	Seppal wid	Petal len	Petal wid
1	-0.5625	0.5	-0.9622641509	-0.91666666667
2	-0.6875	-0.125	-0.9622641509	-0.91666666667
3	-0.8125	0.125	-1	-0.91666666667
4	-0.875	0	-0.9245283019	-0.91666666667
5	-0.625	0.625	-0.9622641509	-0.91666666667
6	-0.375	1	-0.8490566038	-0.75
7	-0.875	0.375	-0.9622641509	-0.83333333333
8	-0.625	0.375	-0.9245283019	-0.91666666667
9	-1	-0.25	-0.9622641509	-0.91666666667
10	-0.6875	0	-0.9245283019	-1
11	0.625	0.125	0.28301886792	0.083333333333
12	0.25	0.125	0.20754716981	0.166666666667
13	0.5625	0	0.35849056604	0.166666666667
14	-0.3125	-1	0.01886792453	0
15	0.3125	-0.375	0.24528301887	0.166666666667
16	-0.1875	-0.375	0.20754716981	0
17	0.1875	0.25	0.28301886792	0.25
18	-0.6875	-0.875	-0.2452830189	-0.25
19	0.375	-0.25	0.24528301887	0
20	-0.5	-0.5	-0.0188679245	0.083333333333
21	0.1875	0.25	0.77358490566	1
22	-0.125	-0.5	0.43396226415	0.5
23	0.6875	-0.125	0.7358490566	0.666666666667
24	0.1875	-0.25	0.62264150943	0.416666666667
25	0.3125	-0.125	0.69811320755	0.75
26	1	-0.125	1	0.666666666667
27	-0.6875	-0.75	0.20754716981	0.333333333333
28	0.8125	-0.25	0.88679245283	0.416666666667
29	0.4375	-0.75	0.69811320755	0.416666666667
30	0.75	0.625	0.81132075472	1

		Weighted Sum	Sum with Bias	Sigmoid
0.0722429581801	0.006998211	-7.7550822301	-9.2623037501	9.49273513E-05
0.9989762609588	0.999996991	2.20703730176	0.69981578178	0.668146927352
0.3037963414643	0.08178845	-1.4657051569	-2.9729266769	0.048664050859
0.1781540044281	0.040132693	-5.1220182274	-6.6292397473	0.001319423946
0.9747116411856	0.999505304	14.0645359514	12.5573144314	0.999996480945

0.0722429581801	0.006998211	-2.7114542254	-4.9104443773	0.007315304854
0.9989762609588	0.999996991	15.5178780317	13.3188878798	0.99999835684
0.3037963414643	0.08178845	-1.6885733825	-3.8875635344	0.020083603265
0.1781540044281	0.040132693	-0.3476973878	-2.5466875397	0.072649334812
0.9747116411856	0.999505304	-25.913862405	-28.112852557	6.17651163E-13

0.0722429581801	0.006998211	7.80153668537	7.03459173429	0.999119897539
0.9989762609588	0.999996991	-15.126550967	-15.893495918	1.2518214E-07
0.3037963414643	0.08178845	0.97219586046	0.20525090938	0.551133341415
0.1781540044281	0.040132693	3.49235749843	2.72541254735	0.938509630433
0.9747116411856	0.999505304	-9.0391665547	-9.8061115057	5.51107028E-05

Sigmoid

0.8551545537293
0.9178954720553
0.0722429581801

0.006998211275

0.054377360349
0.0090690682602
0.9989762609588
0.9999969910716

0.5029215439297
0.2940759320125
0.3037963414643
0.0817884498748

0.5862236783518
0.9260116127757
0.1781540044281
0.0401326931284

0.9630577040238	0.85515455373	0.05437736035	0.50292154393
0.001944397828	0.91789547206	0.00906906826	0.294075932013
0.9747116411856	0.07224295818	0.99897626096	0.303796341464
0.9995053038022	0.00699821127	0.99999699107	0.081788449875

before

Class	instance nr.	Seppal len	Seppal wid	Petal len	Petal wid
Iris-setosa	1	-0.5625	0.5	-0.96226415	-0.91666667
Iris-setosa	2	-0.6875	-0.125	-0.96226415	-0.91666667
Iris-setosa	3	-0.8125	0.125	-1	-0.91666667
Iris-setosa	4	-0.875	0	-0.9245283	-0.91666667
Iris-setosa	5	-0.625	0.625	-0.96226415	-0.91666667
Iris-setosa	6	-0.375	1	-0.8490566	-0.75
Iris-setosa	7	-0.875	0.375	-0.96226415	-0.83333333
Iris-setosa	8	-0.625	0.375	-0.9245283	-0.91666667
Iris-setosa	9	-1	-0.25	-0.96226415	-0.91666667
Iris-setosa	10	-0.6875	0	-0.9245283	-1
Iris-versicolor	11	0.625	0.125	0.283018868	0.083333333
Iris-versicolor	12	0.25	0.125	0.20754717	0.166666667
Iris-versicolor	13	0.5625	0	0.358490566	0.166666667
Iris-versicolor	14	-0.3125	-1	0.018867925	0
Iris-versicolor	15	0.3125	-0.375	0.245283019	0.166666667
Iris-versicolor	16	-0.1875	-0.375	0.20754717	0
Iris-versicolor	17	0.1875	0.25	0.283018868	0.25
Iris-versicolor	18	-0.6875	-0.875	-0.24528302	-0.25
Iris-versicolor	19	0.375	-0.25	0.245283019	0
Iris-versicolor	20	-0.5	-0.5	-0.01886792	0.083333333
Iris-virginica	21	0.1875	0.25	0.773584906	1
Iris-virginica	22	-0.125	-0.5	0.433962264	0.5
Iris-virginica	23	0.6875	-0.125	0.735849057	0.666666667
Iris-virginica	24	0.1875	-0.25	0.622641509	0.416666667
Iris-virginica	25	0.3125	-0.125	0.698113208	0.75
Iris-virginica	26	1	-0.125	1	0.666666667
Iris-virginica	27	-0.6875	-0.75	0.20754717	0.333333333
Iris-virginica	28	0.8125	-0.25	0.886792453	0.416666667
Iris-virginica	29	0.4375	-0.75	0.698113208	0.416666667
Iris-virginica	30	0.75	0.625	0.811320755	1

0.586223678 0.963057704
0.926011613 0.001944398
0.178154004 0.974711641
0.040132693 0.999505304

		node	3	4	5	6
Class		bias	-1.3652829	4.875727173	-0.22834492	0.138370658
	1	w1	-0.60446466	0.97221981	-0.00397832	-0.11859604
	1	w2	-1.07292905	2.086122358	0.389186521	-1.12310161
	1	w3	2.601826091	-7.01563993	0.845232465	1.558306667
	1	w4	2.286959022	-5.86796471	1.116134666	1.465201736
	1					
	1					
	1					
	1					
	1					
	1					
	0.5					
	0.5					
	0.5					
	0.5					
	0.5					
	0.5					
	0.5					
	0.5					
	0.5					
	0.5					
	0					
	0					
	0					
	0					
	0					
	0					
	0					
	0					
	0					
	0					

Node 3

7	instance nr.			
-2.93500709		weighted sum	with bias	sigmoid
-1.11004467	1	-4.79647623081559	-6.16175913	0.002104104
2.773714071	2	-4.05033749510071	-5.4156204	0.004426894
-3.72202439	3	-4.34119379098211	-5.70647669	0.00331335
-3.51280242	4	-3.97293438591713	-5.33821729	0.004781456
	5	-4.89281332043864	-6.25809622	0.001911228
	6	-4.77057168999215	-6.13585459	0.002159203
	7	-4.28288497617388	-5.64816788	0.003511592
	8	-4.52639894238591	-5.89168184	0.002754718
	9	-3.72732615896368	-5.09260906	0.006104481
	10	-4.2768514276788	-5.64213433	0.003532769
	11	0.41503925170411	-0.95024365	0.278835825
	12	0.63592918345216	-0.72935372	0.325336566
	13	0.97387857527377	-0.39140432	0.403379284
	14	1.31091530941566	-0.05436759	0.486411449
	15	1.23279678183665	-0.13248612	0.466926833
	16	1.05568715687729	-0.30959574	0.423213416
	17	0.9265362456044	-0.43874665	0.392039657
	18	0.14445885325976	-1.22082405	0.227791466
	19	0.67974177303291	-0.68554113	0.335025705
	20	0.98018571170718	-0.38509719	0.404898108
	21	3.91812302840547	2.552840128	0.927764085
	22	2.88459645734024	1.519313557	0.820437376
	23	3.15773730119227	1.792454401	0.85722793
	24	2.72779965516633	1.362516755	0.796168432
	25	3.47680934957563	2.111526449	0.892018451
	26	3.65611691221107	2.290834012	0.908115065
	27	2.52258755170746	1.157304652	0.760842611
	28	3.03728406075682	1.672001161	0.841842445
	29	3.30951224692913	1.944229347	0.874816046
	30	3.27394538314367	1.908662483	0.87086881

Node 4

instance nr.

	weighted sum	with bias	sigmoid
1	12.626053984763	17.50178116	0.999999975
2	11.200700034877	16.07642721	0.999999896
3	11.8654442775	16.74117145	0.999999946
4	11.014432985889	15.89016016	0.999999874
5	12.826055541383	17.70178271	0.999999979
6	12.079188871775	16.95491604	0.999999957
7	11.572472940417	16.44820011	0.999999928
8	12.039783822536	16.915511	0.999999955
9	10.636116049583	15.51184322	0.999999817
10	11.685721259279	16.56144843	0.999999936
11	-1.606152853569	3.269574319	0.963370153
12	-1.93025008253	2.94547709	0.950049287
13	-2.946161204232	1.929565968	0.873201371
14	-2.522311613112	2.35341556	0.913205332
15	-3.17728865273	1.69843852	0.845330687
16	-2.42066331014	2.455063863	0.920930974
17	-2.748727843729	2.126999329	0.893499808
18	0.6940503357853	5.569777508	0.996203143
19	-1.87776550178	2.997961671	0.952481957
20	-1.885797578189	2.989929594	0.9521171
21	-10.59133605718	-5.71560888	0.003283328
22	-7.143093997374	-2.26736682	0.093861929
23	-8.666792670886	-3.7910655	0.022073311
24	-7.15245330521	-2.27672613	0.093068923
25	-9.25563102923	-4.37990386	0.012371589
26	-10.216161886	-5.34043471	0.004770916
27	-5.645057335447	-0.76933016	0.316624023
28	-8.398003829767	-3.52227666	0.028684995
29	-8.481941790456	-3.60621462	0.026436572
30	-9.526907659357	-4.65118049	0.009459975

Node 5

instance nr.

	weighted sum
1	-1.63962928
2	-1.88237357
3	-1.81647521
4	-1.80108375
5	-1.59073232
6	-1.16407282
7	-1.59402315
8	-1.65613339
9	-1.92977866
10	-1.89484091
11	0.378389824
12	0.409101786
13	0.486792505
14	-0.37199551
15	0.246155445
16	0.030226595
17	0.614801098
18	-0.82415795
19	0.108532671
20	-0.11554066
21	1.866544439
22	0.730770356
23	1.314669881
24	0.893290364
25	1.377277408
26	1.53669561
27	0.258315697
28	1.114072868
29	0.761493653
30	2.042147145

Node 6

instance nr.

with bias	sigmoid			weighted sum	with bias	sigmoid
-1.8679742	0.133776298		1	-3.33744476	-3.19907411	0.039200581
-2.11071849	0.108059397		2	-2.62068175	-2.48231109	0.077107579
-2.04482013	0.114576825		3	-2.94543667	-2.80706602	0.056943534
-2.02942868	0.11614756		4	-2.68002867	-2.54165801	0.07298891
-1.81907724	0.139544633		5	-3.47042021	-3.33204955	0.034487918
-1.39241774	0.199022059		6	-3.50061996	-3.3622493	0.033496327
-1.82236807	0.139149966		7	-3.03789565	-2.899525	0.052177049
-1.88447831	0.131875332		8	-3.13084078	-2.99247013	0.047767209
-2.15812358	0.103574542		9	-2.44323279	-2.30486213	0.090721081
-2.12318583	0.106863622		10	-2.82436557	-2.68599491	0.06380484
0.1500449	0.537441007		11	0.348620105	0.486990763	0.619397277
0.180756862	0.545066577		12	0.397585715	0.535956373	0.630871267
0.258447581	0.564254635		13	0.736128254	0.874498912	0.705680965
-0.60034044	0.354265811		14	1.189564887	1.327935545	0.790498945
0.017810521	0.504452513		15	1.010528293	1.148898951	0.759309748
-0.19811833	0.450631791		16	0.766822001	0.905192658	0.712015426
0.386456174	0.595429305		17	0.504318462	0.64268912	0.655361087
-1.05250287	0.25874477		18	0.315722092	0.45409275	0.61161188
-0.11981225	0.470082717		19	0.61852805	0.756898708	0.680680031
-0.34388559	0.414865932		20	0.713546959	0.851917617	0.700969252
1.638199515	0.837289796		21	2.367672091	2.506042749	0.924564355
0.502425432	0.623029147		22	1.985222468	2.123593126	0.893175246
1.086324957	0.747689056		23	2.182332569	2.320703227	0.910577218
0.66494544	0.660370436		24	1.839305783	1.977676441	0.878433251
1.148932484	0.759315877		25	2.290102205	2.428472863	0.918972892
1.308350686	0.787237035		26	2.556899482	2.69527014	0.936746968
0.029970773	0.507492132		27	1.735683705	1.874054363	0.866926704
0.885727944	0.708007784		28	2.176811432	2.31518209	0.910126632
0.533148729	0.630217203		29	2.488815628	2.627186286	0.93259088
1.813802221	0.85982078		30	1.938602738	2.076973395	0.888644887

Node 7

instance nr.

	weighted sum	with bias	sigmoid
1	8.812896678779	5.877889592	0.997207132
2	7.218080967703	4.283073881	0.986387676
3	8.190718818957	5.255711732	0.994809451
4	7.632474850865	4.697467764	0.990964055
5	9.2289887292	6.293981642	0.998156017
6	8.98479201843	6.049784931	0.99764718
7	8.520337842928	5.585330756	0.99626152
8	8.395106461098	5.460099374	0.995764879
9	7.218255666737	4.28324858	0.986390021
10	7.717075011022	4.782067924	0.991690964
11	-1.69320031988	-4.62820741	0.009677688
12	-1.28875960449	-4.22376669	0.014432049
13	-2.54417782286	-5.47918491	0.00415539
14	-2.49705198809	-5.43205908	0.004355031
15	-2.88544818186	-5.82045527	0.002957482
16	-1.60450502907	-4.53951212	0.010565787
17	-1.44630858977	-4.38131568	0.012354351
18	0.127305877743	-2.80770121	0.056909433
19	-2.02264464482	-4.95765173	0.006980348
20	-1.05434136245	-3.98934845	0.018175314
21	-5.90680915908	-8.84181625	0.000144539
22	-4.61972079127	-7.55472788	0.000523355
23	-6.19058637827	-9.12559347	0.000108832
24	-4.68271644863	-7.61772354	0.000491418
25	-5.92659941329	-8.8616065	0.000141707
26	-7.52065158903	-10.4556587	2.87841E-05
27	-3.26055961254	-6.1955667	0.002034301
28	-6.35967061726	-9.2946777	9.19037E-05
29	-6.62799215113	-9.56299924	7.02768E-05
30	-5.63152025714	-8.56652734	0.000190336

Inputs

node	0	1	2	Node 0
bias	-1.50722152	-2.19899015	-0.76694495	instance nr.
w1	-4.18675112	-1.46383799	4.211830573	
w2	1.070120365	7.524112661	-7.33437094	1
w3	-1.23941073	-1.4278697	0.822095754	2
w4	-2.95981112	-0.20092053	2.018094841	3
w5	4.785126841	-8.81658086	-3.07536336	4
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Node 1
instance nr.

weighted sum with bias		sigmoid
5.551243498	4.044021978	0.982775061
5.409422246	3.902200726	0.980202446
5.505987689	3.998766169	0.981991984
5.432002242	3.924780722	0.980635906
5.563390815	4.056169295	0.982979492
5.489135692	3.981914172	0.981691545
5.495757694	3.988536174	0.981810185
5.518618632	4.011397112	0.982213992
5.36767493	3.86045341	0.979375863
5.479398328	3.972176808	0.981515709
-2.58959432	-4.09681584	0.016353642
-2.81919811	-4.32641963	0.013042424
-3.52255965	-5.02978117	0.006497745
-3.8172131	-5.32443462	0.004847492
-3.90878623	-5.41600775	0.004425187
-3.40177268	-4.9089942	0.007325843
-3.3038295	-4.81105102	0.008073587
-1.74627674	-3.25349826	0.037201386
-2.94730695	-4.45452847	0.011492195
-3.1782824	-4.68550392	0.009143704
-7.65439395	-9.16161547	0.000104982
-6.74783826	-8.25505978	0.000259872
-7.18668854	-8.69391006	0.000167575
-6.64987934	-8.15710086	0.00028661
-7.38183251	-8.88905403	0.000137871
-7.5451127	-9.05233422	0.000117104
-6.03182895	-7.53905047	0.00053162
-7.06476401	-8.57198553	0.000189301
-7.17540129	-8.68262281	0.000169477
-7.33096899	-8.83819051	0.000145064

instance nr.	weighted sum with bias	
1	-1.46981624	-3.66880639
2	-1.34872232	-3.54771247
3	-1.42659782	-3.62558797
4	-1.40031084	-3.59930099
5	-1.48518934	-3.6841795
6	-1.56579309	-3.76478324
7	-1.47382	-3.67281015
8	-1.45705992	-3.65605007
9	-1.34753075	-3.5465209
10	-1.38978983	-3.58877998
11	5.863165618	3.664175466
12	5.639757481	3.440767329
13	4.995479355	2.796489203
14	5.45596288	3.256972728
15	4.777929837	2.578939685
16	5.43001641	3.231026259
17	5.058116583	2.859126431
18	6.168009062	3.96901891
19	5.806635941	3.60764579
20	5.677673367	3.478683215
21	-2.71597121	-4.91496136
22	-1.56843555	-3.7674257
23	-2.34027646	-4.53926662
24	-1.58895137	-3.78794152
25	-2.48277929	-4.68176944
26	-2.6059738	-4.80496396
27	0.351812918	-1.84717723
28	-2.21110808	-4.41009823
29	-2.16954152	-4.36853167
30	-2.61157008	-4.81056023

Node 2
instance nr.

sigmoid		weighted sum	with bias	sigmoid
0.024872477	1	-10.2031955	-10.9701404	1.72076E-05
0.027984731	2	-10.1047798	-10.8717247	1.89872E-05
0.025942495	3	-10.1707052	-10.9376502	1.77759E-05
0.026615097	4	-10.1190229	-10.8859679	1.87187E-05
0.024502331	5	-10.2116945	-10.9786395	1.7062E-05
0.022647825	6	-10.16219	-10.929135	1.79279E-05
0.024775555	7	-10.1637535	-10.9306985	1.78999E-05
0.025183749	8	-10.1802941	-10.9472391	1.76062E-05
0.028017162	9	-10.0739343	-10.8408793	1.9582E-05
0.026889023	10	-10.1526847	-10.9196297	1.80991E-05
0.975014957	11	-4.22923679	-4.99618174	0.006718283
0.968954607	12	-3.92088022	-4.68782517	0.009122698
0.942485812	13	-2.83019444	-3.59713939	0.026671154
0.962922861	14	-2.77595507	-3.54290002	0.028115935
0.929493813	15	-2.29538009	-3.06232504	0.044688339
0.961985301	16	-3.19706266	-3.96400761	0.018633086
0.945788527	17	-3.1279678	-3.89491275	0.019939478
0.98145833	18	-5.07511775	-5.8420627	0.002894447
0.973600238	19	-3.83612172	-4.60306667	0.009921632
0.970075118	20	-3.57803151	-4.34497646	0.0128057
0.007282576	21	6.437250422	5.670305471	0.996565027
0.022589408	22	5.080217484	4.313272533	0.986787254
0.010568354	23	5.900573441	5.13362849	0.994139418
0.022140846	24	4.984862595	4.217917643	0.985484518
0.009177601	25	6.144661769	5.377716818	0.995402877
0.008122481	26	6.327375058	5.560430107	0.996167622
0.136204663	27	3.042793358	2.275848407	0.906856964
0.012008039	28	5.753800771	4.98685582	0.993219197
0.012511314	29	5.890620947	5.123675996	0.994081146
0.008077519	30	6.098208232	5.331263281	0.995185339

klasės		1	0.01	1E-05

instance nr.

	Seppal len	Seppal wid	Petal len	Petal wid	Class
1	5.1	3.5	1.4	0.2	Iris-setosa
2	4.9	3	1.4	0.2	Iris-setosa
3	4.7	3.2	1.3	0.2	Iris-setosa
4	4.6	3.1	1.5	0.2	Iris-setosa
5	5	3.6	1.4	0.2	Iris-setosa
6	5.4	3.9	1.7	0.4	Iris-setosa
7	4.6	3.4	1.4	0.3	Iris-setosa
8	5	3.4	1.5	0.2	Iris-setosa
9	4.4	2.9	1.4	0.2	Iris-setosa
10	4.9	3.1	1.5	0.1	Iris-setosa
11	7	3.2	4.7	1.4	Iris-versicolor
12	6.4	3.2	4.5	1.5	Iris-versicolor
13	6.9	3.1	4.9	1.5	Iris-versicolor
14	5.5	2.3	4	1.3	Iris-versicolor
15	6.5	2.8	4.6	1.5	Iris-versicolor
16	5.7	2.8	4.5	1.3	Iris-versicolor
17	6.3	3.3	4.7	1.6	Iris-versicolor
18	4.9	2.4	3.3	1	Iris-versicolor
19	6.6	2.9	4.6	1.3	Iris-versicolor
20	5.2	2.7	3.9	1.4	Iris-versicolor
21	6.3	3.3	6	2.5	Iris-virginica
22	5.8	2.7	5.1	1.9	Iris-virginica
23	7.1	3	5.9	2.1	Iris-virginica
24	6.3	2.9	5.6	1.8	Iris-virginica
25	6.5	3	5.8	2.2	Iris-virginica
26	7.6	3	6.6	2.1	Iris-virginica
27	4.9	2.5	4.5	1.7	Iris-virginica
28	7.3	2.9	6.3	1.8	Iris-virginica
29	6.7	2.5	5.8	1.8	Iris-virginica
30	7.2	3.6	6.1	2.5	Iris-virginica
min	4.4	2.3	1.3	0.1	
max	7.6	3.9	6.6	2.5	

instance nr.	Normalized				
	Seppal len	Seppal wid	Petal len	Petal wid	Class
1	-0.5625	0.5	-0.96226415	-0.91666667	Iris-setosa
2	-0.6875	-0.125	-0.96226415	-0.91666667	Iris-setosa
3	-0.8125	0.125	-1	-0.91666667	Iris-setosa
4	-0.875	0	-0.9245283	-0.91666667	Iris-setosa
5	-0.625	0.625	-0.96226415	-0.91666667	Iris-setosa
6	-0.375	1	-0.8490566	-0.75	Iris-setosa
7	-0.875	0.375	-0.96226415	-0.83333333	Iris-setosa
8	-0.625	0.375	-0.9245283	-0.91666667	Iris-setosa
9	-1	-0.25	-0.96226415	-0.91666667	Iris-setosa
10	-0.6875	0	-0.9245283	-1	Iris-setosa
11	0.625	0.125	0.283018868	0.083333333	Iris-versicolor
12	0.25	0.125	0.20754717	0.166666667	Iris-versicolor
13	0.5625	0	0.358490566	0.166666667	Iris-versicolor
14	-0.3125	-1	0.018867925	0	Iris-versicolor
15	0.3125	-0.375	0.245283019	0.166666667	Iris-versicolor
16	-0.1875	-0.375	0.20754717	0	Iris-versicolor
17	0.1875	0.25	0.283018868	0.25	Iris-versicolor
18	-0.6875	-0.875	-0.24528302	-0.25	Iris-versicolor
19	0.375	-0.25	0.245283019	0	Iris-versicolor
20	-0.5	-0.5	-0.01886792	0.083333333	Iris-versicolor
21	0.1875	0.25	0.773584906	1	Iris-virginica
22	-0.125	-0.5	0.433962264	0.5	Iris-virginica
23	0.6875	-0.125	0.735849057	0.666666667	Iris-virginica
24	0.1875	-0.25	0.622641509	0.416666667	Iris-virginica
25	0.3125	-0.125	0.698113208	0.75	Iris-virginica
26	1	-0.125	1	0.666666667	Iris-virginica
27	-0.6875	-0.75	0.20754717	0.333333333	Iris-virginica
28	0.8125	-0.25	0.886792453	0.416666667	Iris-virginica
29	0.4375	-0.75	0.698113208	0.416666667	Iris-virginica
30	0.75	0.625	0.811320755	1	Iris-virginica

before

instance nr.

	Seppal len	Seppal wid	Petal len	Petal wid	Class
1	-0.5625	0.5	-0.96226415	-0.91666667	1
2	-0.6875	-0.125	-0.96226415	-0.91666667	1
3	-0.8125	0.125	-1	-0.91666667	1
4	-0.875	0	-0.9245283	-0.91666667	1
5	-0.625	0.625	-0.96226415	-0.91666667	1
6	-0.375	1	-0.8490566	-0.75	1
7	-0.875	0.375	-0.96226415	-0.83333333	1
8	-0.625	0.375	-0.9245283	-0.91666667	1
9	-1	-0.25	-0.96226415	-0.91666667	1
10	-0.6875	0	-0.9245283	-1	1
11	0.625	0.125	0.283018868	0.083333333	0.5
12	0.25	0.125	0.20754717	0.166666667	0.5
13	0.5625	0	0.358490566	0.166666667	0.5
14	-0.3125	-1	0.018867925	0	0.5
15	0.3125	-0.375	0.245283019	0.166666667	0.5
16	-0.1875	-0.375	0.20754717	0	0.5
17	0.1875	0.25	0.283018868	0.25	0.5
18	-0.6875	-0.875	-0.24528302	-0.25	0.5
19	0.375	-0.25	0.245283019	0	0.5
20	-0.5	-0.5	-0.01886792	0.083333333	0.5
21	0.1875	0.25	0.773584906	1	0
22	-0.125	-0.5	0.433962264	0.5	0
23	0.6875	-0.125	0.735849057	0.666666667	0
24	0.1875	-0.25	0.622641509	0.416666667	0
25	0.3125	-0.125	0.698113208	0.75	0
26	1	-0.125	1	0.666666667	0
27	-0.6875	-0.75	0.20754717	0.333333333	0
28	0.8125	-0.25	0.886792453	0.416666667	0
29	0.4375	-0.75	0.698113208	0.416666667	0
30	0.75	0.625	0.811320755	1	0

node	3	4	5	6	7
bias	-1.3652829	4.875727173	-0.22834492	0.138370658	-2.93500709
w1	-0.60446466	0.97221981	-0.00397832	-0.11859604	-1.11004467
w2	-1.07292905	2.086122358	0.389186521	-1.12310161	2.773714071
w3	2.601826091	-7.01563993	0.845232465	1.558306667	-3.72202439
w4	2.286959022	-5.86796471	1.116134666	1.465201736	-3.51280242

Node 3				Node 4
instance nr.				instance nr.
	weighted sum	with bias	sigmoid	
1	-4.79647623	-6.16175913	0.002104104	1
2	-4.0503375	-5.4156204	0.004426894	2
3	-4.34119379	-5.70647669	0.00331335	3
4	-3.97293439	-5.33821729	0.004781456	4
5	-4.89281332	-6.25809622	0.001911228	5
6	-4.77057169	-6.13585459	0.002159203	6
7	-4.28288498	-5.64816788	0.003511592	7
8	-4.52639894	-5.89168184	0.002754718	8
9	-3.72732616	-5.09260906	0.006104481	9
10	-4.27685143	-5.64213433	0.003532769	10
11	0.415039252	-0.95024365	0.278835825	11
12	0.635929183	-0.72935372	0.325336566	12
13	0.973878575	-0.39140432	0.403379284	13
14	1.310915309	-0.05436759	0.486411449	14
15	1.232796782	-0.13248612	0.466926833	15
16	1.055687157	-0.30959574	0.423213416	16
17	0.926536246	-0.43874665	0.392039657	17
18	0.144458853	-1.22082405	0.227791466	18
19	0.679741773	-0.68554113	0.335025705	19
20	0.980185712	-0.38509719	0.404898108	20
21	3.918123028	2.552840128	0.927764085	21
22	2.884596457	1.519313557	0.820437376	22
23	3.157737301	1.792454401	0.85722793	23
24	2.727799655	1.362516755	0.796168432	24
25	3.47680935	2.111526449	0.892018451	25
26	3.656116912	2.290834012	0.908115065	26
27	2.522587552	1.157304652	0.760842611	27
28	3.037284061	1.672001161	0.841842445	28
29	3.309512247	1.944229347	0.874816046	29
30	3.273945383	1.908662483	0.87086881	30

Node 5
instance nr.

weighted sum with bias		sigmoid
12.62605398	17.50178116	0.999999975
11.20070003	16.07642721	0.999999896
11.86544428	16.74117145	0.999999946
11.01443299	15.89016016	0.999999874
12.82605554	17.70178271	0.999999979
12.07918887	16.95491604	0.999999957
11.57247294	16.44820011	0.999999928
12.03978382	16.915511	0.999999955
10.63611605	15.51184322	0.999999817
11.68572126	16.56144843	0.999999936
-1.60615285	3.269574319	0.963370153
-1.93025008	2.94547709	0.950049287
-2.9461612	1.929565968	0.873201371
-2.52231161	2.35341556	0.913205332
-3.17728865	1.69843852	0.845330687
-2.42066331	2.455063863	0.920930974
-2.74872784	2.126999329	0.893499808
0.694050336	5.569777508	0.996203143
-1.8777655	2.997961671	0.952481957
-1.88579758	2.989929594	0.9521171
-10.5913361	-5.71560888	0.003283328
-7.143094	-2.26736682	0.093861929
-8.66679267	-3.7910655	0.022073311
-7.15245331	-2.27672613	0.093068923
-9.25563103	-4.37990386	0.012371589
-10.2161619	-5.34043471	0.004770916
-5.64505734	-0.76933016	0.316624023
-8.39800383	-3.52227666	0.028684995
-8.48194179	-3.60621462	0.026436572
-9.52690766	-4.65118049	0.009459975

	weighted sum with bias	
1	-1.63962928	-1.8679742
2	-1.88237357	-2.11071849
3	-1.81647521	-2.04482013
4	-1.80108375	-2.02942868
5	-1.59073232	-1.81907724
6	-1.16407282	-1.39241774
7	-1.59402315	-1.82236807
8	-1.65613339	-1.88447831
9	-1.92977866	-2.15812358
10	-1.89484091	-2.12318583
11	0.378389824	0.1500449
12	0.409101786	0.180756862
13	0.486792505	0.258447581
14	-0.37199551	-0.60034044
15	0.246155445	0.017810521
16	0.030226595	-0.19811833
17	0.614801098	0.386456174
18	-0.82415795	-1.05250287
19	0.108532671	-0.11981225
20	-0.11554066	-0.34388559
21	1.866544439	1.638199515
22	0.730770356	0.502425432
23	1.314669881	1.086324957
24	0.893290364	0.66494544
25	1.377277408	1.148932484
26	1.53669561	1.308350686
27	0.258315697	0.029970773
28	1.114072868	0.885727944
29	0.761493653	0.533148729
30	2.042147145	1.813802221

Node 6
instance nr.

sigmoid		weighted sum	with bias	sigmoid
0.133776298	1	-3.33744476	-3.19907411	0.039200581
0.108059397	2	-2.62068175	-2.48231109	0.077107579
0.114576825	3	-2.94543667	-2.80706602	0.056943534
0.11614756	4	-2.68002867	-2.54165801	0.07298891
0.139544633	5	-3.47042021	-3.33204955	0.034487918
0.199022059	6	-3.50061996	-3.3622493	0.033496327
0.139149966	7	-3.03789565	-2.899525	0.052177049
0.131875332	8	-3.13084078	-2.99247013	0.047767209
0.103574542	9	-2.44323279	-2.30486213	0.090721081
0.106863622	10	-2.82436557	-2.68599491	0.06380484
0.537441007	11	0.348620105	0.486990763	0.619397277
0.545066577	12	0.397585715	0.535956373	0.630871267
0.564254635	13	0.736128254	0.874498912	0.705680965
0.354265811	14	1.189564887	1.327935545	0.790498945
0.504452513	15	1.010528293	1.148898951	0.759309748
0.450631791	16	0.766822001	0.905192658	0.712015426
0.595429305	17	0.504318462	0.64268912	0.655361087
0.25874477	18	0.315722092	0.45409275	0.61161188
0.470082717	19	0.61852805	0.756898708	0.680680031
0.414865932	20	0.713546959	0.851917617	0.700969252
0.837289796	21	2.367672091	2.506042749	0.924564355
0.623029147	22	1.985222468	2.123593126	0.893175246
0.747689056	23	2.182332569	2.320703227	0.910577218
0.660370436	24	1.839305783	1.977676441	0.878433251
0.759315877	25	2.290102205	2.428472863	0.918972892
0.787237035	26	2.556899482	2.69527014	0.936746968
0.507492132	27	1.735683705	1.874054363	0.866926704
0.708007784	28	2.176811432	2.31518209	0.910126632
0.630217203	29	2.488815628	2.627186286	0.93259088
0.85982078	30	1.938602738	2.076973395	0.888644887

Node 7   Inputs
instance nr.   node
      weighted sum with bias   sigmoid   bias

instance nr.	weighted sum	with bias	sigmoid	
1	8.812896679	5.877889592	0.997207132	w1
2	7.218080968	4.283073881	0.986387676	w2
3	8.190718819	5.255711732	0.994809451	w3
4	7.632474851	4.697467764	0.990964055	w4
5	9.228988729	6.293981642	0.998156017	w5
6	8.984792018	6.049784931	0.99764718	
7	8.520337843	5.585330756	0.99626152	
8	8.395106461	5.460099374	0.995764879	
9	7.218255667	4.28324858	0.986390021	
10	7.717075011	4.782067924	0.991690964	
11	-1.69320032	-4.62820741	0.009677688	
12	-1.2887596	-4.22376669	0.014432049	
13	-2.54417782	-5.47918491	0.00415539	
14	-2.49705199	-5.43205908	0.004355031	
15	-2.88544818	-5.82045527	0.002957482	
16	-1.60450503	-4.53951212	0.010565787	
17	-1.44630859	-4.38131568	0.012354351	
18	0.127305878	-2.80770121	0.056909433	
19	-2.02264464	-4.95765173	0.006980348	
20	-1.05434136	-3.98934845	0.018175314	
21	-5.90680916	-8.84181625	0.000144539	
22	-4.61972079	-7.55472788	0.000523355	
23	-6.19058638	-9.12559347	0.000108832	
24	-4.68271645	-7.61772354	0.000491418	
25	-5.92659941	-8.8616065	0.000141707	
26	-7.52065159	-10.4556587	2.87841E-05	
27	-3.26055961	-6.1955667	0.002034301	
28	-6.35967062	-9.2946777	9.19037E-05	
29	-6.62799215	-9.56299924	7.02768E-05	
30	-5.63152026	-8.56652734	0.000190336	

0	1	2
-1.50722152	-2.19899015	-0.76694495
-4.18675112	-1.46383799	4.211830573
1.070120365	7.524112661	-7.33437094
-1.23941073	-1.4278697	0.822095754
-2.95981112	-0.20092053	2.018094841
4.785126841	-8.81658086	-3.07536336

Node 0
instance nr.

	weighted sum
1	5.551243498
2	5.409422246
3	5.505987689
4	5.432002242
5	5.563390815
6	5.489135692
7	5.495757694
8	5.518618632
9	5.36767493
10	5.479398328
11	-2.58959432
12	-2.81919811
13	-3.52255965
14	-3.8172131
15	-3.90878623
16	-3.40177268
17	-3.3038295
18	-1.74627674
19	-2.94730695
20	-3.1782824
21	-7.65439395
22	-6.74783826
23	-7.18668854
24	-6.64987934
25	-7.38183251
26	-7.5451127
27	-6.03182895
28	-7.06476401
29	-7.17540129
30	-7.33096899

Node 1
instance nr.

with bias	sigmoid			weighted sum	with bias	sigmoid
4.044021978	0.982775061		1	-1.46981624	-3.66880639	0.024872477
3.902200726	0.980202446		2	-1.34872232	-3.54771247	0.027984731
3.998766169	0.981991984		3	-1.42659782	-3.62558797	0.025942495
3.924780722	0.980635906		4	-1.40031084	-3.59930099	0.026615097
4.056169295	0.982979492		5	-1.48518934	-3.6841795	0.024502331
3.981914172	0.981691545		6	-1.56579309	-3.76478324	0.022647825
3.988536174	0.981810185		7	-1.47382	-3.67281015	0.024775555
4.011397112	0.982213992		8	-1.45705992	-3.65605007	0.025183749
3.86045341	0.979375863		9	-1.34753075	-3.5465209	0.028017162
3.972176808	0.981515709		10	-1.38978983	-3.58877998	0.026889023
-4.09681584	0.016353642		11	5.863165618	3.664175466	0.975014957
-4.32641963	0.013042424		12	5.639757481	3.440767329	0.968954607
-5.02978117	0.006497745		13	4.995479355	2.796489203	0.942485812
-5.32443462	0.004847492		14	5.45596288	3.256972728	0.962922861
-5.41600775	0.004425187		15	4.777929837	2.578939685	0.929493813
-4.9089942	0.007325843		16	5.43001641	3.231026259	0.961985301
-4.81105102	0.008073587		17	5.058116583	2.859126431	0.945788527
-3.25349826	0.037201386		18	6.168009062	3.96901891	0.98145833
-4.45452847	0.011492195		19	5.806635941	3.60764579	0.973600238
-4.68550392	0.009143704		20	5.677673367	3.478683215	0.970075118
-9.16161547	0.000104982		21	-2.71597121	-4.91496136	0.007282576
-8.25505978	0.000259872		22	-1.56843555	-3.7674257	0.022589408
-8.69391006	0.000167575		23	-2.34027646	-4.53926662	0.010568354
-8.15710086	0.00028661		24	-1.58895137	-3.78794152	0.022140846
-8.88905403	0.000137871		25	-2.48277929	-4.68176944	0.009177601
-9.05233422	0.000117104		26	-2.6059738	-4.80496396	0.008122481
-7.53905047	0.00053162		27	0.351812918	-1.84717723	0.136204663
-8.57198553	0.000189301		28	-2.21110808	-4.41009823	0.012008039
-8.68262281	0.000169477		29	-2.16954152	-4.36853167	0.012511314
-8.83819051	0.000145064		30	-2.61157008	-4.81056023	0.008077519

Node 2
instance nr.

	weighted sum with bias		sigmoid
1	-10.2031955	-10.9701404	1.72076E-05
2	-10.1047798	-10.8717247	1.89872E-05
3	-10.1707052	-10.9376502	1.77759E-05
4	-10.1190229	-10.8859679	1.87187E-05
5	-10.2116945	-10.9786395	1.7062E-05
6	-10.16219	-10.929135	1.79279E-05
7	-10.1637535	-10.9306985	1.78999E-05
8	-10.1802941	-10.9472391	1.76062E-05
9	-10.0739343	-10.8408793	1.9582E-05
10	-10.1526847	-10.9196297	1.80991E-05
11	-4.22923679	-4.99618174	0.006718283
12	-3.92088022	-4.68782517	0.009122698
13	-2.83019444	-3.59713939	0.026671154
14	-2.77595507	-3.54290002	0.028115935
15	-2.29538009	-3.06232504	0.044688339
16	-3.19706266	-3.96400761	0.018633086
17	-3.1279678	-3.89491275	0.019939478
18	-5.07511775	-5.8420627	0.002894447
19	-3.83612172	-4.60306667	0.009921632
20	-3.57803151	-4.34497646	0.0128057
21	6.437250422	5.670305471	0.996565027
22	5.080217484	4.313272533	0.986787254
23	5.900573441	5.13362849	0.994139418
24	4.984862595	4.217917643	0.985484518
25	6.144661769	5.377716818	0.995402877
26	6.327375058	5.560430107	0.996167622
27	3.042793358	2.275848407	0.906856964
28	5.753800771	4.98685582	0.993219197
29	5.890620947	5.123675996	0.994081146
30	6.098208232	5.331263281	0.995185339

klasės   1   0.01   1E-05