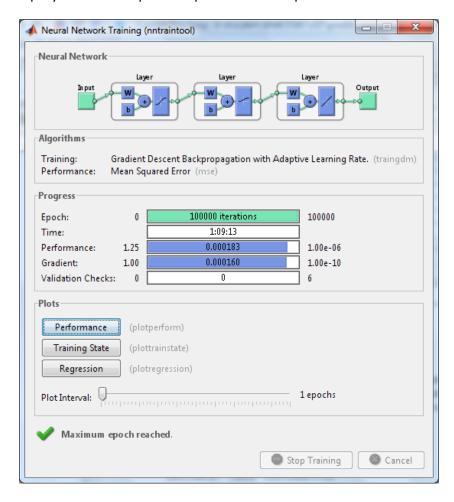
Tugas JST | Peramalan Jumlah Penjualan

Rischan Mafrur / 09650007

Jumlah data	epochs	goal	lr	mc
50	100000	1e-6	0.5	0.8

Training berlangsung selama 1 jam 9 menit 13 detik menggunakan intel Atom N570. Training Selesai sebelum goal tercapai yaitu setelah epochs terpenuhi 100000 epochs.



Testing menggunakan data training => semua data dikenali / 100 % data dikenali

Hasil testing:

Ī	t	16	13	15	28	30	12	13	14	15	13	35	38	11	12
Ī	hasil	16,7	17,3	14,9	29,7	28,3	10,7	12,2	10,9	12,1	4,6	25,6	26,6	11,3	16,9

Hasil testing menggunakan data testing ada 2 data yang dikenali dan 12 data yang tidak dikenali dari 14 data testing, bisa disimpulkan bahwa testing dapat mengenali 14,3 % dari keseluruhan data testing.

Lampiran	-0.6029 -0.4191	-0.2353	-0.4191	-	-0.9706 2.7059 3.	.4412	-0.6029	
[pn,meanp,stdp,tn,meant,stdt]=prestd(p,t)	0.2353 -0.7868				0.1324 -0.6029			
net=newff(minmax(pn),[10 5 1],{'tansig'	-0.8047 -0.8047	-0.2485	-0.0630	-	-0.0630 2.1620 2.	.3474	-0.6193	-
'logsig' 'purelin'},'traingdm');	0.2485 -0.8047				0.4339 -0.4339			
net.IW{1,1}=[
0.4500 0.0894 -0.8542 0.8416	Columns 7 through	n 12			Columns 37 through 4	12		
0.9579 -0.1978 -0.5595 -0.6146	C				E			
-0.6119 -0.9953 0.1435 -0.4015	-0.3377 -0.5461	-0 5461	-0 3377	_	2.1636 2.9974 -0.	3377	0 4961	_
-0.6320 -0.7867 -0.4583 0.5986	0.1292 -0.3377	0.0 101	0.5577		0.1292 -0.9630	.5577	0.1701	
-0.0152 1.1257 0.4672 -0.1576	-0.1950 -0.3941	-0 7921	-0.7921	_	1.9943 3.7855 -0.	5931	0.2030	_
0.4021 -0.7500 -0.3316 -0.8762	0.1950 0.0040	0.7721	0.7721		0.5931 0.0040	.5751	0.2030	
0.5958 0.6346 0.6376 0.6659	-0.2353 -0.0515	-0.7868	-0.6029	_	2.1544 2.3382 -0.	6029	-0.4191	_
-0.3116 0.9297 -0.7423 0.1878	0.2353 -0.0313	-0.7000	-0.0027	_	0.4191 0.5000	.0027	-0.7171	_
-0.0043 0.7410 -0.8049 -0.6237	-0.2485 -0.4339	0.4330	0.0630		2.3474 2.1620 -0.	6103	0.2485	
-0.0043 0.7410 -0.8049 -0.0237 -0.7518 0.4902 0.5800 -0.6967];	0.2485 -0.6193	-0.4339	-0.0030	-	0.0630 -0.2485	.0193	-0.2463	-
	0.2463 -0.0193				0.0030 -0.2463			
$net.b\{1,1\}=[$	Cal	-1- 10			Cal	10		
-2.9086	Columns 13 through	gn 18			Columns 43 through 4	+8		
-1.6140 2.0221	0.1202 0.7546	0.7546	0.0702		0.5461 0.2077 0	F 1 C 1	0.5461	
2.9221	-0.1292 -0.7546	-0./546	0.0792	-	-0.5461 0.2877 -0.	.5461	-0.5461	-
1.9021	0.1292 -0.7546	0.5001	0.2044		0.3377 -0.3377	2011	0.7004	
-0.9166	-0.1950 -0.7921	-0.5931	-0.3941	-	-0.5931 -0.3941 -0	.3941	-0.5931	-
1.5395	0.1950 -0.3941				0.1950 0.0040			
-1.2132	-0.2353 -0.4191	-0.0515	-0.6029	-	-0.6029 -0.2353 -0	0.0515	-0.4191	-
-1.4846	0.7868 -0.6029				0.2353 0.3162			
-1.4403	-0.8047 -0.6193	-0.2485	-0.4339	-	-0.4339 -0.2485 0	.3078	-0.2485	-
-2.2184];	0.2485 -0.6193				0.6193 -0.8047			
$net.LW{2,1}=[$								
1.4500 1.0501 0.9679 -0.0225 0.0705 -1.7650	Columns 19 throug	gh 24			Columns 49 through 5	50		
0.8302 1.1893 1.1413 0.3847								
0.7305 1.4203 -0.3329 0.1057 -0.1429 -	-0.1292 -0.3377	-0.1292	-0.3377		-0.5461 -1.1714			
1.5011 -1.5074 1.0495 -1.1499 -1.0838	0.0792 -0.1292				-0.3941 -0.1950			
1.5362 -1.2236 -0.6011 0.0316 0.8532 0.4183	-0.1950 -0.5931	-0.7921	-0.5931	-	-0.2353 -0.0515			
-1.4828 -0.9369 -0.9060 1.3406	0.1950 -0.1950				-0.4339 -0.2485			
1.4153 -1.2922 -0.1157 -1.2216 1.0480	-0.2353 -0.4191	-0.2353	-0.6029	-				
1.6869 0.0372 0.9609 -0.1592 -0.8628	1.1544 0.3162							
0.9604 1.1946 -1.2088 1.4801 0.3484 -0.2468	0.3078 -0.0630	0.1224	-0.4339	-	meanp =			
1.2570 -0.9697 -1.4478 -0.1297];	0.6193 0.3078				•			
$net.b{2,1}$					12.6200			
$net.LW{3,2}=[$	Columns 25 through	gh 30			12.9800			
0.6595 -0.3997 0.4192 -0.8508 0.5004];	·				13.2800			
net.b{3,1}=[-0.0622];	-0.5461 2.3721	2.7890	-0.5461	_	13.3400			
net.trainParam.epochs=100000;	0.1292 -0.3377							
net.trainParam.goal=1e-6;	-0.3941 1.9943	2.3923	-0.5931					
net.trainParam.lr=0.5;	0.4020 0.0040	_,_,_,	0.070		stdp =			
net.trainParam.show=10000;	-0.0515 1.7868	2.5221	-0.4191		Stup			
net.trainParam.mc=0.8;	0.3162 -0.2353	2.0221	01.171		4.7975			
nettrain dramme=0.0,	-0.2485 2.7183	3 4599	-0.6193		5.0244			
	0.1224 -0.6193	3.4377	0.0173		5.4400			
nn –	0.1224 -0.0173				5.3932			
pn =	Columns 31 throug	oh 36			3.3734			
Columns 1 through 6	Columns 31 unoug	511 50						
Columns 1 unough 0	-0.1292 2.1636	2 5805	-0.5461		tn =			
-0.5461 -0.9630 -0.1292 -0.5461 -	0.4961 0.0792	2.3003	-0.5401		–			
0.1292 -0.7546	0.2030 1.9943	2 7004	-0.3941		Columns 1 through 6			
-0.7921 -0.5931 -0.3941 -0.5931 -	0.4020 -0.1950	4.1904	-0.3741		Columnis 1 unlough 6			
-0.7921 -0.3931 -0.3941 -0.3931 - 0.1950 -0.5931	0.4020 -0.1730							
U.133U -U.3331								

-0.8221 -0.6245 -0.2292 -0.4269 - 0.2292 -0.4269	net =	LW: {3x3 cell} containing 2 layer weight matrices
0.2272 0.1207	Neural Network object:	b: {3x1 cell} containing 3 bias
Columns 7 through 12	J	vectors
•	architecture:	
-0.2292 -0.6245 -0.6245 -0.2292 -		other:
0.2292 -0.4269	numInputs: 1	
	numLayers: 3	name: "
Columns 13 through 18	biasConnect: [1; 1; 1]	userdata: (user information)
	inputConnect: [1; 0; 0]	
-0.2292 -0.6245 -1.2173 -0.0316	layerConnect: [0 0 0; 1 0 0; 0 1 0]	>> net.IW{1,1}=[
0.1660 -0.4269	outputConnect: [0 0 1]	0.4500 0.0894 -0.8542 0.8416
		0.9579 -0.1978 -0.5595 -0.6146
Columns 19 through 24	numOutputs: 1 (read-only)	-0.6119 -0.9953 0.1435 -0.4015
0.0505 0.0000 1.0105 0.5015	numInputDelays: 0 (read-only)	-0.6320 -0.7867 -0.4583 0.5986
0.3636 -0.2292 -1.0197 -0.6245 -	numLayerDelays: 0 (read-only)	-0.0152 1.1257 0.4672 -0.1576
0.0316 0.1660	. Later day of many	0.4021 -0.7500 -0.3316 -0.8762
C.1 25 d 1. 20	subobject structures:	0.5958 0.6346 0.6376 0.6659
Columns 25 through 30	' ((1	-0.3116 0.9297 -0.7423 0.1878
-0.6245 2.3398 2.5374 -0.6245 -	inputs: {1x1 cell} of inputs	-0.0043 0.7410 -0.8049 -0.6237
-0.0245	layers: {3x1 cell} of layers	-0.7518 0.4902 0.5800 -0.6967];
0.4209 -0.4209	outputs: {1x3 cell} containing 1 output biases: {3x1 cell} containing 3 biases	-2.9086
Columns 31 through 36	inputWeights: {3x1 cell} containing 1	-2.9080 -1.6140
Columns 31 unough 30	input weight	2.9221
0.5612 2.5374 2.3398 -0.6245 -	layerWeights: {3x3 cell} containing 2	1.9021
0.2292 -0.0316	layer weights	-0.9166
0.2272 0.0310	layer weights	1.5395
Columns 37 through 42	functions:	-1.2132
Columns 37 through 12	ranetions.	-1.4846
2.5374 2.7350 -0.4269 -0.2292	adaptFcn: 'trains'	-1.4403
0.3636 0.1660	divideFcn: (none)	-2.2184];
	gradientFcn: 'calcgrad'	>> net.LW{2,1}=[
Columns 43 through 48	initFcn: 'initlay'	1.4500 1.0501 0.9679 -0.0225 0.0705 -1.7650
Ç	performFcn: 'mse'	0.8302 1.1893 1.1413 0.3847
-0.2292 -0.6245 -0.8221 -0.4269 -	plotFcns:	0.7305 1.4203 -0.3329 0.1057 -0.1429 -
0.0316 -0.0316	{'plotperform', 'plottrainstate', 'plotregression'}	1.5011 -1.5074 1.0495 -1.1499 -1.0838
	trainFcn: 'traingdm'	1.5362 -1.2236 -0.6011 0.0316 0.8532 0.4183
Columns 49 through 50		-1.4828 -0.9369 -0.9060 1.3406
	parameters:	1.4153 -1.2922 -0.1157 -1.2216 1.0480
-0.4269 -1.0197		1.6869 0.0372 0.9609 -0.1592 -0.8628
	adaptParam: .passes	0.9604 1.1946 -1.2088 1.4801 0.3484 -0.2468
	divideParam: (none)	1.2570 -0.9697 -1.4478 -0.1297];
meant =	gradientParam: (none)	>> net.b{2,1}
12.1600	initParam: (none)	net.LW{3,2}=[
13.1600	performParam: (none)	0.6595 -0.3997 0.4192 -0.8508 0.5004];
	trainParam: .show, .showWindow,	net.b $\{3,1\}$ = $[-0.0622]$;
14	.showCommandLine, .epochs,	
stdt =	.time, .goal, .max_fail, .lr,	ans =
5.0603	.mc, .min_grad	3.2889
5.0005	weight and bias values:	1.6445
	weight and bias values.	0
	IW: {3x1 cell} containing 1 input	1.6445
>> net	weight matrix	-3.2889
		- 00/

>> net.trainParam.epochs=100000; net.trainParam.goal=1e-6; net.trainParam.lr=0.5;	adaptFcn: 'trains' divideFcn: (none)	0.3648 -0.2391 -1.0204 -0.6307 - 0.0350 0.1661
net.trainParam.show=200; net.trainParam.mc=0.8;	gradientFcn: 'calcgrad' initFcn: 'initlay'	Columns 25 through 30
>> net.trainParam.epochs=100000; net.trainParam.goal=1e-6;	performFcn: 'mse' plotFcns:	-0.6492 2.3389 2.5490 -0.6514 - 0.4266 -0.4214
net.trainParam.lr=0.5; net.trainParam.show=10000; net.trainParam.mc=0.8;	{'plotperform','plottrainstate','plotregression'} trainFcn: 'traingdm'	Columns 31 through 36
>> net.trainParam.mc	parameters:	0.5619 2.5371 2.3409 -0.5759 - 0.2290 -0.0269
ans =	adaptParam: .passes divideParam: (none)	Columns 37 through 42
0.8000	gradientParam: (none) initParam: (none)	2.5259 2.7351 -0.4334 -0.2298
>> net.trainParam.show	performParam: (none) trainParam: .show, .showWindow,	0.3637 0.1659
ans =	.showCommandLine, .epochs, .time, .goal, .max_fail, .lr,	Columns 43 through 48
10000	.mc, .min_grad	-0.2290 -0.6244 -0.8224 -0.4117 - 0.0375 -0.0330
>> net=train(net,pn,tn)	weight and bias values:	Columns 49 through 50
>> net	IW: {3x1 cell} containing 1 input weight matrix LW: {3x3 cell} containing 2 layer	-0.4300 -1.0206
net =	weight matrices b: {3x1 cell} containing 3 bias	>> a=poststd(an,meant,stdt)
Neural Network object:	vectors	a =
Neural Network object: architecture:		a = Columns 1 through 5
	vectors	
architecture: numInputs: 1 numLayers: 3 biasConnect: [1; 1; 1] inputConnect: [1; 0; 0]	vectors other: name: "	Columns 1 through 5 9.0646 10.1001 12.0552 10.9972
architecture: numInputs: 1 numLayers: 3 biasConnect: [1; 1; 1] inputConnect: [1; 0; 0] layerConnect: [0 0 0; 1 0 0; 0 1 0] outputConnect: [0 0 1] numOutputs: 1 (read-only)	vectors other: name: " userdata: (user information)	Columns 1 through 5 9.0646 10.1001 12.0552 10.9972 11.9744
architecture: numInputs: 1 numLayers: 3 biasConnect: [1; 1; 1] inputConnect: [1; 0; 0] layerConnect: [0 0 0; 1 0 0; 0 1 0] outputConnect: [0 0 1]	other: name: " userdata: (user information) >> an=sim(net,pn) an = Columns 1 through 6 -0.8093 -0.6047 -0.2183 -0.4274 - 0.2343 -0.4204	Columns 1 through 5 9.0646 10.1001 12.0552 10.9972 11.9744 Columns 6 through 10 11.0325 12.0509 10.1349 10.0223 12.0229
architecture: numInputs: 1 numLayers: 3 biasConnect: [1; 1; 1] inputConnect: [1; 0; 0] layerConnect: [0 0 0; 1 0 0; 0 1 0] outputConnect: [0 0 1] numOutputs: 1 (read-only) numInputDelays: 0 (read-only)	vectors other: name: " userdata: (user information) >> an=sim(net,pn) an = Columns 1 through 6 -0.8093 -0.6047 -0.2183 -0.4274 -	Columns 1 through 5 9.0646 10.1001 12.0552 10.9972 11.9744 Columns 6 through 10 11.0325 12.0509 10.1349 10.0223 12.0229 Columns 11 through 15 11.9744 10.9507 12.0141 9.8774
architecture: numInputs: 1 numLayers: 3 biasConnect: [1; 1; 1] inputConnect: [1; 0; 0] layerConnect: [0 0 0; 1 0 0; 0 1 0] outputConnect: [0 0 1] numOutputs: 1 (read-only) numInputDelays: 0 (read-only) numLayerDelays: 0 (read-only) subobject structures: inputs: {1x1 cell} of inputs layers: {3x1 cell} of layers outputs: {1x3 cell} containing 1 output	other: name: " userdata: (user information) >> an=sim(net,pn) an = Columns 1 through 6 -0.8093 -0.6047 -0.2183 -0.4274 - 0.2343 -0.4204 Columns 7 through 12 -0.2192 -0.5978 -0.6201 -0.2247 - 0.2343 -0.4366	Columns 1 through 5 9.0646 10.1001 12.0552 10.9972 11.9744 Columns 6 through 10 11.0325 12.0509 10.1349 10.0223 12.0229 Columns 11 through 15 11.9744 10.9507 12.0141 9.8774 7.0461
architecture: numInputs: 1 numLayers: 3 biasConnect: [1; 1; 1] inputConnect: [1; 0; 0] layerConnect: [0 0 0; 1 0 0; 0 1 0] outputConnect: [0 0 1] numOutputs: 1 (read-only) numInputDelays: 0 (read-only) numLayerDelays: 0 (read-only) subobject structures: inputs: {1x1 cell} of inputs layers: {3x1 cell} of layers outputs: {1x3 cell} containing 1 output biases: {3x1 cell} containing 1	other: name: " userdata: (user information) >> an=sim(net,pn) an = Columns 1 through 6 -0.8093 -0.6047 -0.2183 -0.4274 - 0.2343 -0.4204 Columns 7 through 12 -0.2192 -0.5978 -0.6201 -0.2247 - 0.2343 -0.4366 Columns 13 through 18	Columns 1 through 5 9.0646 10.1001 12.0552 10.9972 11.9744 Columns 6 through 10 11.0325 12.0509 10.1349 10.0223 12.0229 Columns 11 through 15 11.9744 10.9507 12.0141 9.8774 7.0461 Columns 16 through 20 12.9735 14.0157 10.7616 15.0061
architecture: numInputs: 1 numLayers: 3 biasConnect: [1; 1; 1] inputConnect: [1; 0; 0] layerConnect: [0 0 0; 1 0 0; 0 1 0] outputConnect: [0 0 1] numOutputs: 1 (read-only) numInputDelays: 0 (read-only) numLayerDelays: 0 (read-only) subobject structures: inputs: {1x1 cell} of inputs layers: {3x1 cell} of layers outputs: {1x3 cell} containing 1 output biases: {3x1 cell} containing 3 biases	other: name: " userdata: (user information) >> an=sim(net,pn) an = Columns 1 through 6 -0.8093 -0.6047 -0.2183 -0.4274 - 0.2343 -0.4204 Columns 7 through 12 -0.2192 -0.5978 -0.6201 -0.2247 - 0.2343 -0.4366	Columns 1 through 5 9.0646 10.1001 12.0552 10.9972 11.9744 Columns 6 through 10 11.0325 12.0509 10.1349 10.0223 12.0229 Columns 11 through 15 11.9744 10.9507 12.0141 9.8774 7.0461 Columns 16 through 20 12.9735 14.0157 10.7616 15.0061 11.9503

	>> an=sim(net,pn2)	
24.9958 26.0587 9.8635 11.0011	1 /	2.9974
11.0276	an =	4.7807
Columna 21 through 25	0.9249	2.8897 2.1620
Columns 31 through 35	0.8348	2.1620
16.0036 25.9986 25.0059 10.2455	>> a=poststd(an,meant,stdt)	>> an=sim(net,pn5)
12.0010		an =
	a =	
Columns 36 through 40	17, 20.42	3.0012
13.0240 25.9417 27.0005 10.9670	17.3842	>> a=poststd(an,meant,stdt)
13.0240 23.9417 27.0003 10.9070	>> p3=[12;14;7;12];	a =
11.9975	>> p3=[12,14,7,12], >> pn3=trastd(p3,meanp,stdp)	u –
Columns 41 through 45	pn3 =	28.3471
15.0002 13.9993 12.0014 10.0004	-0.1292	>> p6=[11;12;11;11];
8.9983	0.2030	>> pn6=trastd(p6,meanp,stdp)
Columns 46 through 50	-1.1544 -0.2485	pn6 =
Columns 40 through 50	-0.2463	pho =
11.0766 12.9705 12.9932 10.9839	>> an=sim(net,pn3)	-0.3377
7.9956	an =	-0.1950
		-0.4191
>> p1=[12;12;10;13];	0.3464	-0.4339
>> pn1=trastd(p1,meanp,stdp)	>> a=poststd(an,meant,stdt)	>> an=sim(net,pn6)
pn1 =	>> a-poststu(an,meant,stut)	>> an=sim(net,pho)
P	a =	an =
-0.1292		
-0.1950	14.9130	-0.4719
-0.1950 -0.6029		
-0.1950	>> p4=[26;37;25;24];	-0.4719 >> a=poststd(an,meant,stdt)
-0.1950 -0.6029 -0.0630		>> a=poststd(an,meant,stdt)
-0.1950 -0.6029	>> p4=[26;37;25;24]; >> pn4=trastd(p4,meanp,stdp)	
-0.1950 -0.6029 -0.0630	>> p4=[26;37;25;24];	>> a=poststd(an,meant,stdt)
-0.1950 -0.6029 -0.0630 >> an=sim(net,pn1) an =	>> p4=[26;37;25;24]; >> pn4=trastd(p4,meanp,stdp) pn4 = 2.7890	>> a=poststd(an,meant,stdt) a = 10.7719
-0.1950 -0.6029 -0.0630 >> an=sim(net,pn1)	>> p4=[26;37;25;24]; >> pn4=trastd(p4,meanp,stdp) pn4 = 2.7890 4.7807	>> a=poststd(an,meant,stdt) a = 10.7719 >> p7=[12;13;12;8];
-0.1950 -0.6029 -0.0630 >> an=sim(net,pn1) an = 0.7021	>> p4=[26;37;25;24]; >> pn4=trastd(p4,meanp,stdp) pn4 = 2.7890 4.7807 2.1544	>> a=poststd(an,meant,stdt) a = 10.7719
-0.1950 -0.6029 -0.0630 >> an=sim(net,pn1) an =	>> p4=[26;37;25;24]; >> pn4=trastd(p4,meanp,stdp) pn4 = 2.7890 4.7807 2.1544 1.9766	>> a=poststd(an,meant,stdt) a = 10.7719 >> p7=[12;13;12;8];
-0.1950 -0.6029 -0.0630 >> an=sim(net,pn1) an = 0.7021	>> p4=[26;37;25;24]; >> pn4=trastd(p4,meanp,stdp) pn4 = 2.7890 4.7807 2.1544	>> a=poststd(an,meant,stdt) a = 10.7719 >> p7=[12;13;12;8]; >> pn7=trastd(p7,meanp,stdp)
-0.1950 -0.6029 -0.0630 >> an=sim(net,pn1) an = 0.7021 >> a=poststd(an,meant,stdt)	>> p4=[26;37;25;24]; >> pn4=trastd(p4,meanp,stdp) pn4 = 2.7890 4.7807 2.1544 1.9766	>> a=poststd(an,meant,stdt) a = 10.7719 >> p7=[12;13;12;8];
-0.1950 -0.6029 -0.0630 >> an=sim(net,pn1) an = 0.7021 >> a=poststd(an,meant,stdt)	>> p4=[26;37;25;24]; >> pn4=trastd(p4,meanp,stdp) pn4 = 2.7890 4.7807 2.1544 1.9766 >> an=sim(net,pn4) an =	>> a=poststd(an,meant,stdt) a = 10.7719 >> p7=[12;13;12;8]; >> pn7=trastd(p7,meanp,stdp) pn7 = -0.1292
-0.1950 -0.6029 -0.0630 >> an=sim(net,pn1) an = 0.7021 >> a=poststd(an,meant,stdt) a = 16.7126	>> p4=[26;37;25;24]; >> pn4=trastd(p4,meanp,stdp) pn4 = 2.7890 4.7807 2.1544 1.9766 >> an=sim(net,pn4) an = 3.2794	>> a=poststd(an,meant,stdt) a = 10.7719 >> p7=[12;13;12;8]; >> pn7=trastd(p7,meanp,stdp) pn7 = -0.1292 0.0040
-0.1950 -0.6029 -0.0630 >> an=sim(net,pn1) an = 0.7021 >> a=poststd(an,meant,stdt) a = 16.7126 >> p2=[13;15;9;13];	>> p4=[26;37;25;24]; >> pn4=trastd(p4,meanp,stdp) pn4 = 2.7890 4.7807 2.1544 1.9766 >> an=sim(net,pn4) an =	>> a=poststd(an,meant,stdt) a = 10.7719 >> p7=[12;13;12;8]; >> pn7=trastd(p7,meanp,stdp) pn7 = -0.1292 0.0040 -0.2353
-0.1950 -0.6029 -0.0630 >> an=sim(net,pn1) an = 0.7021 >> a=poststd(an,meant,stdt) a = 16.7126	>> p4=[26;37;25;24]; >> pn4=trastd(p4,meanp,stdp) pn4 = 2.7890 4.7807 2.1544 1.9766 >> an=sim(net,pn4) an = 3.2794 >> a=poststd(an,meant,stdt)	>> a=poststd(an,meant,stdt) a = 10.7719 >> p7=[12;13;12;8]; >> pn7=trastd(p7,meanp,stdp) pn7 = -0.1292 0.0040
-0.1950 -0.6029 -0.0630 >> an=sim(net,pn1) an = 0.7021 >> a=poststd(an,meant,stdt) a = 16.7126 >> p2=[13;15;9;13];	>> p4=[26;37;25;24]; >> pn4=trastd(p4,meanp,stdp) pn4 = 2.7890 4.7807 2.1544 1.9766 >> an=sim(net,pn4) an = 3.2794	>> a=poststd(an,meant,stdt) a = 10.7719 >> p7=[12;13;12;8]; >> pn7=trastd(p7,meanp,stdp) pn7 = -0.1292 0.0040 -0.2353
-0.1950 -0.6029 -0.0630 >> an=sim(net,pn1) an = 0.7021 >> a=poststd(an,meant,stdt) a = 16.7126 >> p2=[13;15;9;13]; >> pn2=trastd(p2,meanp,stdp)	>> p4=[26;37;25;24]; >> pn4=trastd(p4,meanp,stdp) pn4 = 2.7890 4.7807 2.1544 1.9766 >> an=sim(net,pn4) an = 3.2794 >> a=poststd(an,meant,stdt)	>> a=poststd(an,meant,stdt) a = 10.7719 >> p7=[12;13;12;8]; >> pn7=trastd(p7,meanp,stdp) pn7 = -0.1292 0.0040 -0.2353 -0.9901
-0.1950 -0.6029 -0.0630 >> an=sim(net,pn1) an = 0.7021 >> a=poststd(an,meant,stdt) a = 16.7126 >> p2=[13;15;9;13]; >> pn2=trastd(p2,meanp,stdp) pn2 = 0.0792	>> p4=[26;37;25;24]; >> pn4=trastd(p4,meanp,stdp) pn4 = 2.7890 4.7807 2.1544 1.9766 >> an=sim(net,pn4) an = 3.2794 >> a=poststd(an,meant,stdt) a = 29.7547	>> a=poststd(an,meant,stdt) a = 10.7719 >> p7=[12;13;12;8]; >> pn7=trastd(p7,meanp,stdp) pn7 = -0.1292 0.0040 -0.2353 -0.9901 >> an=sim(net,pn7) an =
-0.1950 -0.6029 -0.0630 >> an=sim(net,pn1) an = 0.7021 >> a=poststd(an,meant,stdt) a = 16.7126 >> p2=[13;15;9;13]; >> pn2=trastd(p2,meanp,stdp) pn2 = 0.0792 0.4020	>> p4=[26;37;25;24]; >> pn4=trastd(p4,meanp,stdp) pn4 = 2.7890 4.7807 2.1544 1.9766 >> an=sim(net,pn4) an = 3.2794 >> a=poststd(an,meant,stdt) a = 29.7547 >> p5=[27;37;29;25];	>> a=poststd(an,meant,stdt) a = 10.7719 >> p7=[12;13;12;8]; >> pn7=trastd(p7,meanp,stdp) pn7 = -0.1292 0.0040 -0.2353 -0.9901 >> an=sim(net,pn7)
-0.1950 -0.6029 -0.0630 >> an=sim(net,pn1) an = 0.7021 >> a=poststd(an,meant,stdt) a = 16.7126 >> p2=[13;15;9;13]; >> pn2=trastd(p2,meanp,stdp) pn2 = 0.0792 0.4020 -0.7868	>> p4=[26;37;25;24]; >> pn4=trastd(p4,meanp,stdp) pn4 = 2.7890 4.7807 2.1544 1.9766 >> an=sim(net,pn4) an = 3.2794 >> a=poststd(an,meant,stdt) a = 29.7547	>> a=poststd(an,meant,stdt) a = 10.7719 >> p7=[12;13;12;8]; >> pn7=trastd(p7,meanp,stdp) pn7 = -0.1292 0.0040 -0.2353 -0.9901 >> an=sim(net,pn7) an = -0.1879
-0.1950 -0.6029 -0.0630 >> an=sim(net,pn1) an = 0.7021 >> a=poststd(an,meant,stdt) a = 16.7126 >> p2=[13;15;9;13]; >> pn2=trastd(p2,meanp,stdp) pn2 = 0.0792 0.4020	>> p4=[26;37;25;24]; >> pn4=trastd(p4,meanp,stdp) pn4 = 2.7890 4.7807 2.1544 1.9766 >> an=sim(net,pn4) an = 3.2794 >> a=poststd(an,meant,stdt) a = 29.7547 >> p5=[27;37;29;25];	>> a=poststd(an,meant,stdt) a = 10.7719 >> p7=[12;13;12;8]; >> pn7=trastd(p7,meanp,stdp) pn7 = -0.1292 0.0040 -0.2353 -0.9901 >> an=sim(net,pn7) an =

12.2090	an =	pn13 =
>> p8=[12;10;13;16]; >> pn8=trastd(p8,meanp,stdp)	-1.6920	-0.1292 -0.3941
>> piio=trastu(po,meanp,stup)	>> a=poststd(an,meant,stdt)	-0.4191
pn8 =		-0.2485
-0.1292	a =	>> pn13=trastd(p13,meanp,stdp)
-0.5931	4.5982	>> pii13=trusta(p13,iiicump,stap)
-0.0515		pn13 =
0.4932	>> p11=[37;25;24;28];	r
	>> pn11=trastd(p11,meanp,stdp)	-0.1292
>> an=sim(net,pn8)		-0.3941
		-0.4191
an =	pn11 =	-0.2485
-0.4347	5.0818	>> an=sim(net,pn13)
	2.3923	` '1
>> a=poststd(an,meant,stdt)	1.9706	an =
•	2.7183	
a =		-0.3581
	>> an=sim(net,pn11)	
10.9603		>> a=poststd(an,meant,stdt)
	an =	
>> p9=[15;9;13;13];	2.4502	a =
>> pn9=trastd(p9,meanp,stdp)	2.4503	11 2400
0		11.3480
pn9 =	>> a=poststd(an,meant,stdt)	>> p14_[12.12.9.12].
0.4961	a =	>> p14=[13;12;8;13]; >> pn14=trastd(p14,meanp,stdp)
-0.7921	a –	>> pi114=trastd(p14,meanp,stdp)
-0.0515	25.5590	pn14 =
-0.0630	23.5390	p
	>> p12=[37;29;25;30];	0.0792
>> an=sim(net,pn9)	>> pn12=trastd(p12,meanp,stdp)	-0.1950
· · · · · ·		-0.9706
an =	pn12 =	-0.0630
-0.1938	5.0818	>> an=sim(net,pn14)
	3.1884	
>> a=poststd(an,meant,stdt)	2.1544	an =
	3.0891	0.7422
a =	>> an=sim(net,pn12)	0.7433
12.1792	an =	>> a=poststd(an,meant,stdt)
>> p10=[14;7;12;15];	2.6656	a =
>> pn10=trastd(p10,meanp,stdp)	>> a=poststd(an,meant,stdt)	16.0013
pn10 =	a =	16.9212
0.2877	26.6486	>>
-1.1902	20.0700	
-0.2353	>> p13=[12;11;11;12];	
0.3078	>> p13=[12,11,11,12], >> pn13=trastd(p13,meanp,stdp)	
>> an=sim(net,pn10)	r	
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