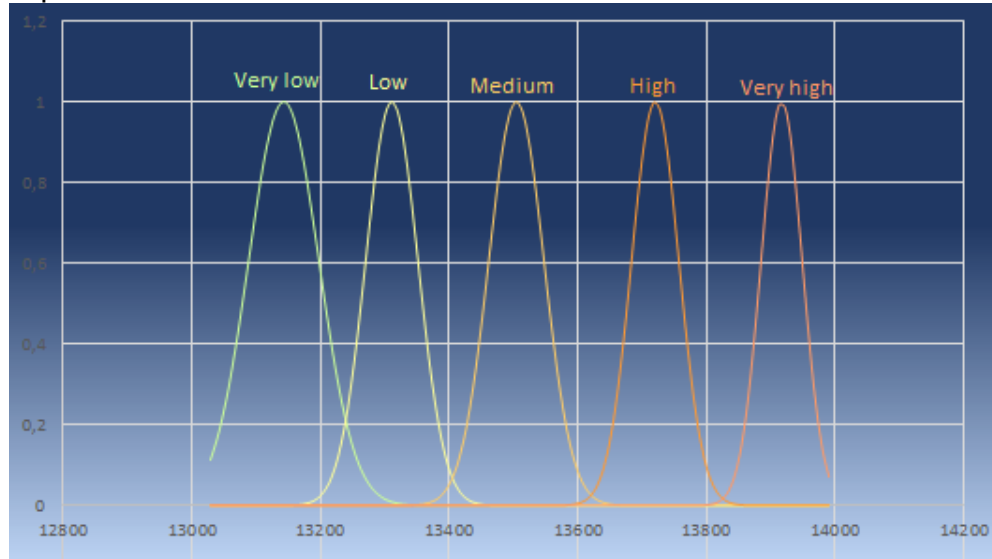


Lab 12 (12.11.2016)

Membership function:



	Very low	Low	Medium	High	Very high
avg	13143,1	13311,07	13504,74	13720,54	13917,1
std	5965,455	3297,19	3678,462	2705,571	2044,87

Rules		
IF x(t-1) IS	AND x(t-2) IS	Then Y
Very low	Very low	5
	Low	1
	Medium	3
	Large	3
	Very large	2
Low	Very low	2
	Low	3
	Medium	1
	Large	3
	Very large	1
Medium	Very low	5
	Low	4
	Medium	3
	Large	3
	Very large	1
Large	Very low	5
	Low	5
	Medium	4
	Large	5
	Very large	4
Very large	Very low	5
	Low	2
	Medium	5
	Large	5
	Very large	5

Create table, fill column y and prediction:

t	x(t)	x(t-1)	how-big	x(t-2)	how-big	y	predicted x(t)
1	13449	---	---	---	---	---	---
2	13352	13449	medium	---	---	---	---
3	13029	13352	low	13449	medium	1	13143,095
4	13227	13029	very low	13352	low	1	13143,095
5	13918	13227	very low	13029	very low	5	13917,095
6	13972	13918	very high	13227	very low	5	13917,095
7	13951	13972	very high	13918	very high	5	13917,095
8	13907	13951	very high	13972	very high	5	13917,095
9	13862	13907	very high	13951	very high	5	13917,095
10	13578	13862	very high	13907	very high	5	13917,095
11	13502	13578	medium	13862	very high	1	13143,095
12	13650	13502	medium	13578	medium	3	13504,73643
13	13650	13650	high	13502	medium	4	13720,541
14	13612	13650	high	13650	high	5	13917,095
15	13566	13612	medium	13650	high	3	13504,73643
16	13577	13566	medium	13612	medium	3	13504,73643
17	13289	13577	medium	13566	medium	3	13504,73643
18	13042	13289	low	13577	medium	1	13143,095
19	13322	13042	very low	13289	low	1	13143,095
20	13379	13322	low	13042	very low	2	13311,07143
21	13236	13379	low	13322	low	3	13504,73643
22	13227	13236	very low	13379	low	1	13143,095
23	13918	13227	very low	13236	very low	5	13917,095
24	13972	13918	very high	13227	very low	5	13917,095
25	13469	13972	very high	13918	very high	5	13917,095
26	13182	13469	medium	13972	very high	1	13143,095
27	13463	13182	very low	13469	medium	3	13504,73643
28	13951	13463	medium	13182	very low	5	13917,095
29	13907	13951	very high	13463	medium	5	13917,095
30	13862	13907	very high	13951	very high	5	13917,095
31	13578	13862	very high	13907	very high	5	13917,095
32	13212	13578	medium	13862	very high	1	13143,095
33	13358	13212	very low	13578	medium	3	13504,73643
34	13739	13358	low	13212	very low	2	13311,07143
35	13403	13739	high	13358	low	5	13917,095
36	13443	13403	low	13739	high	3	13504,73643
37	13425	13443	medium	13403	low	4	13720,541
38	13305	13425	medium	13443	medium	3	13504,73643
39	13271	13305	low	13425	medium	1	13143,095
40	13658	13271	low	13305	low	3	13504,73643
41	13904	13658	high	13271	low	5	13917,095
42	13469	13904	very high	13658	high	5	13917,095
43	13182	13469	medium	13904	very high	1	13143,095
44	13463	13182	very low	13469	medium	3	13504,73643
45	13786	13463	medium	13182	very low	5	13917,095
46	13717	13786	high	13463	medium	4	13720,541
47	13943	13717	high	13786	high	5	13917,095
48	13851	13943	very high	13717	high	5	13917,095
49	13786	13851	very high	13943	very high	5	13917,095
50	13717	13786	high	13851	very high	4	13720,541
51	13943	13717	high	13786	high	5	13917,095
52	13851	13943	very high	13717	high	5	13917,095
53	13362	13851	very high	13943	very high	5	13917,095
54	13212	13362	low	13851	very high	1	13143,095
55	13358	13212	very low	13362	low	1	13143,095
56	13265	13358	low	13212	very low	2	13311,07143
57	13474	13265	low	13358	low	3	13504,73643
58	13786	13474	medium	13265	low	4	13720,541
59	13717	13786	high	13474	medium	4	13720,541
60	13943	13717	high	13786	high	5	13917,095
61	13851	13943	very high	13717	high	5	13917,095
62	14000	13851	very high	13943	very high	5	13917,095
63	---	14000	very high	13851	very high	5	13917,095

Graph:

