Mihalevich Evgeniy AS-32

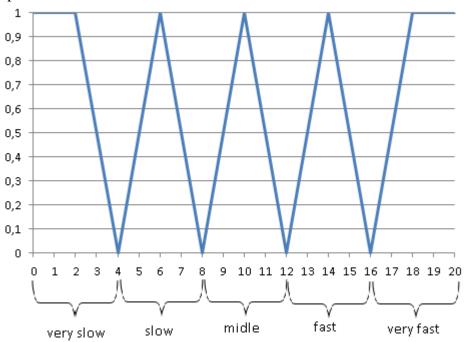
Table of search:

Speed	Distance	Brake			
0	0	0	12	500	6
0	0	1	12	500	7
0	0	2	12	500	8
0	0	3	12	500	9
0	0	4	12	500	10
0	0	5	12	550	C
0	0	6	12	550	1
0	0	7	12	550	2
0	0	8	12	550	3
0	0	9	12	550	4
0	0	10	12	550	5
0	50	0	12	550	6
0	50	1	12	550	7
0	50	2	12	550	8
0	50	3	12	550	9
0	50	4	12	550	10
0	50	5	12	600	C
0	50	6	12	600	1
0	50	7	12	600	2
0	50	8	12	600	3
0	50	9	12	600	4
0	50	10	12	600	5
0	100	0	12	600	6

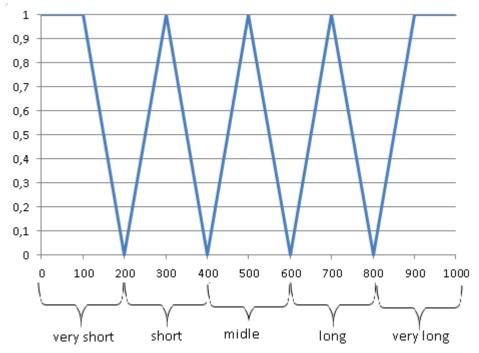
20	900	9
20	900	10
20	950	0
20	950	1
20	950	2
20	950	3
20	950	4
20	950	5
20	950	6
20	950	7
20	950	8
20	950	9
20	950	10
20	1000	0
20	1000	1
20	1000	2
20	1000	3
20	1000	4
20	1000	5
20	1000	6
20	1000	7
20	1000	8
20	1000	9
20	1000	10

1. Task 1

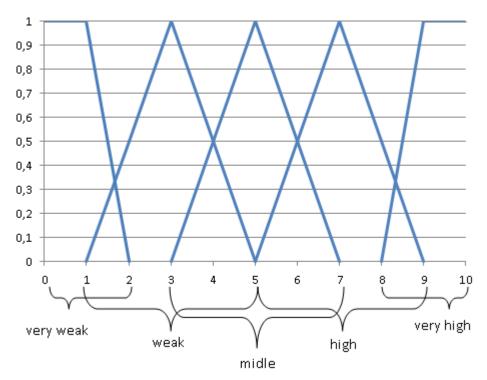




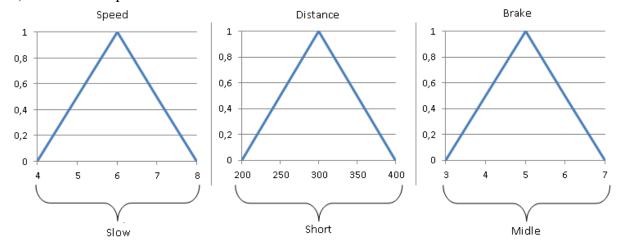
Distance:



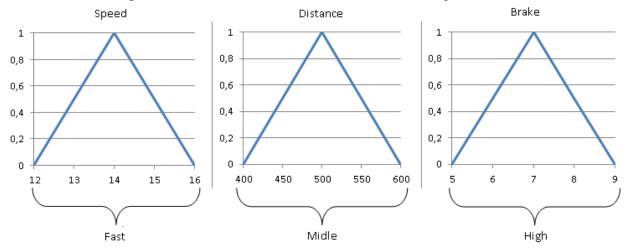
Brake:



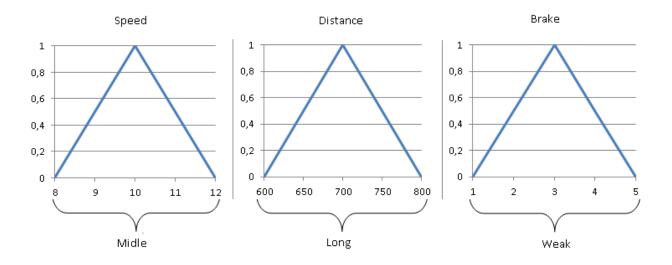
- 2. Task 2
- 1) First rule if speed is slow and distance is short then brake is middle.



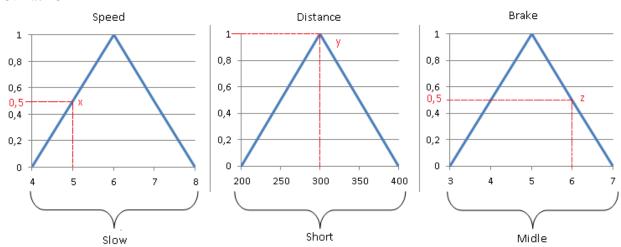
2) Second rule if speed is fast and distance is midle then brake is high.



3) Third rule if speed is midle and distance is long then brake is weak.



3. Task 3



X = 0,5

Y = 1

Z = 0.5

If x < y then u = x * z else u = y * z

In this case x < y (0,5 < 1) then u = x * z = 0.5 * 0.5 = 0.25

- 1	in this case	. , , (0,5	\ 1) the		2 0,0	_
	5	300	3			0
	5	300	4		0.25	
	5	300	5		0.5	
	5	300	6	_ (0.25	
	5	300	7			0

This is big table for first rule:

Speed	Disance	Brake	u	Speed	Disance	Brake	u
4	200	3	0	4	400	7	0
4	200	4	0	5	200	3	0
4	200	5	0	5	200	4	0
4	200	6	0	5	200	5	0
4	200	7	0	5	200	6	0
4	250	3	0	5	200	7	0
4	250	4	0	5	250	3	0
4	250	5	0	5	250	4	0.25
4	250	6	0	5	250	5	0.5
4	250	7	0	5	250		0.25
4	300	3	0	5	250	7	0
4	300	4	0	5	300	3	0
4	300	5	0	5	300	4	0.25
4	300	6	0	5	300	5	0.5
4	300	7	0	5	300		0.25
4	350	3	0	5	300	7	0
4	350	4	0	5	350	3	0
4	350	5	0	5	350		0.25
4	350	6	0	5	350		0.5
4	350	7	0	5	350	6	0.25
4	400	3	0	5	350	7	0
4	400	4	0	5	400	3	0
4	400	5	0	5	400	4	0
4	400	6	0	5	400	5	0
Speed	Disance	Brake	u	Speed	Disance	Brake	u
5	400	6	0	. 6	400	5	0
5	400	7	0	6	400	6	0
5 6	400 200	7	0	6	400 400	6 7	0
6	200	3	0	6	400	7	0
6 6	200 200	3 4	0	6 7	400 200	7	0
6 6 6	200 200 200	3 4 5	0	6 7 7	400 200 200	7 3 4	0 0 0
6 6 6	200 200 200 200	3 4 5 6	0 0 0	6 7 7 7	400 200 200 200	7 3 4 5	0 0 0
6 6 6 6	200 200 200 200 200	3 4 5 6 7	0 0 0 0	6 7 7 7	400 200 200 200 200	7 3 4 5 6	0 0 0 0
6 6 6 6 6	200 200 200 200 200 200 250	3 4 5 6 7 3	0 0 0 0 0	6 7 7 7 7	400 200 200 200 200 200 200	7 3 4 5 6 7	0 0 0 0 0
6 6 6 6 6	200 200 200 200 200 250 250	3 4 5 6 7 3	0 0 0 0 0 0 0	6 7 7 7 7 7	400 200 200 200 200 200 200 250	7 3 4 5 6 7	0 0 0 0 0
6 6 6 6 6	200 200 200 200 200 200 250	3 4 5 6 7 3	0 0 0 0 0	6 7 7 7 7 7 7	400 200 200 200 200 200 250 250	7 3 4 5 6 7 3	0 0 0 0 0 0 0
6 6 6 6 6	200 200 200 200 200 250 250	3 4 5 6 7 3 4	0 0 0 0 0 0 0	6 7 7 7 7 7	400 200 200 200 200 200 250 250	7 3 4 5 6 7 3	0 0 0 0 0
6 6 6 6 6 6	200 200 200 200 200 250 250 250	3 4 5 6 7 3 4 5	0 0 0 0 0 0 0 0.25 0.5	6 7 7 7 7 7 7	400 200 200 200 200 200 250 250	7 3 4 5 6 7 3 4	0 0 0 0 0 0 0
6 6 6 6 6 6 6	200 200 200 200 200 250 250 250	3 4 5 6 7 3 4 5 6	0 0 0 0 0 0 0.25 0.5	6 7 7 7 7 7 7 7	400 200 200 200 200 200 250 250 250	7 3 4 5 6 7 3 4	0 0 0 0 0 0 0 0 0.25 0.5
6 6 6 6 6 6 6	200 200 200 200 200 250 250 250 250	3 4 5 6 7 3 4 5 6 7	0 0 0 0 0 0 0.25 0.5	6 7 7 7 7 7 7 7	400 200 200 200 200 200 250 250 250 250	7 3 4 5 6 7 3 4 5	0 0 0 0 0 0 0 0.25 0.5
6 6 6 6 6 6 6 6	200 200 200 200 250 250 250 250 250 300	3 4 5 6 7 3 4 5 6 7 3	0 0 0 0 0 0 0.25 0.5 0.25	6 7 7 7 7 7 7 7 7	400 200 200 200 200 250 250 250 250 250 300	7 3 4 5 6 7 3 4 5 6 7	0 0 0 0 0 0 0 0.25 0.5 0.25
6 6 6 6 6 6 6 6	200 200 200 200 250 250 250 250 300 300	3 4 5 6 7 3 4 5 6 7 3 4	0 0 0 0 0 0 0.25 0.5 0.25 0 0	6 7 7 7 7 7 7 7 7 7	400 200 200 200 200 250 250 250 250 250 300	7 3 4 5 6 7 3 4 5 6 7	0 0 0 0 0 0 0 0.25 0.5 0.25
6 6 6 6 6 6 6 6 6	200 200 200 200 250 250 250 250 300 300 300	3 4 5 6 7 3 4 5 6 7 3 4 5	0 0 0 0 0 0 0.25 0.5 0.25 0.5 0.5	6 7 7 7 7 7 7 7 7 7 7	400 200 200 200 200 250 250 250 250 300 300	7 3 4 5 6 7 3 4 5 6 7 3 4 5	0 0 0 0 0 0 0 0.25 0.5 0.25 0 0
6 6 6 6 6 6 6 6 6 6	200 200 200 200 250 250 250 250 300 300 300 300	3 4 5 6 7 3 4 5 6 7 3 4 5 6	0 0 0 0 0 0 0.25 0.5 0.25 0 0 0.5 1	6 7 7 7 7 7 7 7 7 7 7	400 200 200 200 200 250 250 250 250 300 300 300	7 3 4 5 6 7 3 4 5 6 7 3 4 5	0 0 0 0 0 0 0 0.25 0.5 0.25 0 0.25
6 6 6 6 6 6 6 6 6 6	200 200 200 200 250 250 250 250 300 300 300 300 350	3 4 5 6 7 3 4 5 6 7 3 4 5 6	0 0 0 0 0 0 0.25 0.5 0.25 0 0 0.5 0 0.5	6 7 7 7 7 7 7 7 7 7 7 7	400 200 200 200 200 250 250 250 250 300 300 300 300	7 3 4 5 6 7 3 4 5 6 7 3 4 5	0 0 0 0 0 0 0 0.25 0.5 0.25 0.25 0.5 0.25
6 6 6 6 6 6 6 6 6 6 6	200 200 200 200 250 250 250 250 300 300 300 300 350	3 4 5 6 7 3 4 5 6 7 3 4 5 6 7 3	0 0 0 0 0 0 0.25 0.5 0.25 0 0.5 0 0.5	6 7 7 7 7 7 7 7 7 7 7 7 7	400 200 200 200 200 250 250 250 250 300 300 300 300 350	7 3 4 5 6 7 3 4 5 6 7 3 4 5 6 7 3 4 5 6 7 3 4 5 6 7	0 0 0 0 0 0 0 0.25 0.5 0.25 0.25 0.5 0.25
6 6 6 6 6 6 6 6 6 6 6 6	200 200 200 200 250 250 250 250 300 300 300 300 350 350	3 4 5 6 7 3 4 5 6 7 3 4 5 6 7 3 4 5	0 0 0 0 0 0 0.25 0.5 0.25 0 0.5 0 0.5 0 0.5	6 7 7 7 7 7 7 7 7 7 7 7 7	400 200 200 200 200 250 250 250 250 300 300 300 300 350	7 3 4 5 6 7 3 4 5 6 7 3 4 5 6 7 3 4 5 6 7 3 4 5 6 7 3 4 5 6 7 3 4 5 6 7 3 4 5 6 7 3 4 7 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	0 0 0 0 0 0 0 0.25 0.5 0.25 0.5 0.25 0.5 0.25
6 6 6 6 6 6 6 6 6 6 6 6	200 200 200 200 250 250 250 250 300 300 300 300 350 350	3 4 5 6 7 3 4 5 6 7 3 4 5 6 7 3 4 5 6	0 0 0 0 0 0 0.25 0.5 0.25 0 0 0.5 0 0 0.5 0	6 7 7 7 7 7 7 7 7 7 7 7 7 7	400 200 200 200 200 250 250 250 250 300 300 300 300 350 350	7 3 4 5 6 7 3 4 5 6 7 3 4 5 6 7 3 4 5 6 7 3 4 5 6 7 3 5	0 0 0 0 0 0 0 0.25 0.5 0.25 0.5 0.25 0.2
6 6 6 6 6 6 6 6 6 6 6 6	200 200 200 200 250 250 250 250 300 300 300 300 350 350	3 4 5 6 7 3 4 5 6 7 3 4 5 6 7 3 4 5 6	0 0 0 0 0 0 0.25 0.5 0.25 0 0.5 0 0.5 0 0.5	6 7 7 7 7 7 7 7 7 7 7 7 7 7 7	400 200 200 200 200 250 250 250 250 300 300 300 350 350	7 3 4 5 6 7 3 4 5 6 7 3 4 5 6 7 3 4 5 6 7 3 4 5 6 7 3 5	0 0 0 0 0 0 0 0.25 0.5 0.25 0.5 0.25 0.5 0.25
6 6 6 6 6 6 6 6 6 6 6 6 6	200 200 200 200 250 250 250 250 300 300 300 300 350 350	3 4 5 6 7 3 4 5 6 7 3 4 5 6 7 3 4 5 6	0 0 0 0 0 0 0.25 0.5 0.25 0 0 0.5 0 0 0.5 0	6 7 7 7 7 7 7 7 7 7 7 7 7 7	400 200 200 200 200 250 250 250 250 300 300 300 350 350	7 3 4 5 6 7 3 4 5 6 7 3 4 5 6 7 3 4 5 6 7 3 4 5 6 7 3 5	0 0 0 0 0 0 0 0.25 0.5 0.25 0.5 0.25 0.2

Speed	Disance	Brake	u	Speed	Disance	Brake	u
7	400	4	0	8	300	4	0
7	400	5	0	8	300	5	0
7	400	6	0	8	300	6	0
7	400	7	0	8	300	7	0
8	200	3	0	8	350	3	0
8	200	4	0	8	350	4	0
8	200	5	0	8	350	5	0
8	200	6	0	8	350	6	0
8	200	7	0	8	350	7	0
8	250	3	0	8	400	3	0
8	250	4	0	8	400	4	0
8	250	5	0	8	400	5	0
8	250	6	0	8	400	6	0
8	250	7	0	8	400	7	0
8	300	3	0				

Now is big table for second rule:

Speed	Disance	Brake	u	Speed	Disance	Brake	u
12	400	5	0	12	600	9	0
12	400	6	0	13	400	5	0
12	400	7	0	13	400	6	0
12	400	8	0	13	400	7	0
12	400	9	0	13	400	8	0
12	450	5	0	13	400	9	0
12	450	6	0	13	450	5	0
12	450	7	0	13	450	6	0.25
12	450	8	0	13	450	7	0.5
12	450	9	0	13	450	8	0.25
12	500	5	0	13	450	9	0
12	500	6	0	13	500	5	0
12	500	7	0	13	500	6	0.25
12	500	8	0	13	500	7	0.5
12	500	9	0	13	500	8	0.25
12	550	5	0	13	500	9	0
12	550	6	0	13	550	5	0
12	550	7	0	13	550	6	0.25
12	550	8	0	13	550	7	0.5
12	550	9	0	13	550	8	0.25
12	600	5	0	13	550	9	0
12	600	6	0	13	600	5	0
12	600	7	0	13	600	6	0
12	600	8	0	13	600	7	0

Speed	Disance	Brake	u	Speed	Disance	Brake	u
13	600	8	0	14	600	7	0
13	600	9	0	14	600	8	0
14	400	5	0	14	600	9	0
14	400	6	0	15	400	5	0
14	400	7	0	15	400	6	0
14	400	8	0	15	400	7	0
14	400	9	0	15	400	8	0
14	450	5	0	15	400	9	0
14	450	6	0.25	15	450	5	0
14	450	7	0.5	15	450	6	0.25
14	450	8	0.25	15	450	7	0.5
14	450	9	0	15	450	8	0.25
14	500	5	0	15	450	9	0
14	500	6	0.5	15	500	5	0
14	500	7	1	15	500	6	0.25
14	500	8	0.5	15	500	7	0.5
14	500	9	0	15	500	8	0.25
14	550	5	0	15	500	9	0
14	550	6	0.25	15	550	5	0
14	550	7	0.5	15	550	6	0.25
14	550	8	0.25	15	550	7	0.5
14	550	9	0	15	550	8	0.25
14	600	5	0	15	550	9	0
14	600	6	0	15	600	5	0
Speed	Disance	Brake	u	Speed	Disance	Brake	u
15	600	6	0	16	500	5	0
15	600	7	0	16	500	6	0
15	600	8	0	16	500	7	0
15	600	9	0	16	500	8	0
16	400	5	0	16	500	9	0
16	400	6	0	16	550	5	0
16	400	7	0	16	550	6	0
16	400	8	0	16	550	7	0
16	400	9	0	16	550	8	0
16	450	5	0	16	550	9	0
16	450	6	0	16	600	5	0
16	450	7	0	16	600	6	0
16	450	8	0	16	600	7	0
16	450	9	0	16	600	8	0
				16	600	9	0

Now is big table for third rule:

Speed	Disance	Brake	u	Speed	Disance	Brake	u
8	600	1	0	8	800	5	0
8	600	2	0	9	600	1	0
8	600	3	0	9	600	2	0
8	600	4	0	9	600	3	0
8	600	5	0	9	600	4	0
8	650	1	0	9	600	5	0
8	650	2	0	9	650	1	0
8	650	3	0	9	650	2	0.25
8	650	4	0	9	650	3	0.5
8	650	5	0	9	650	4	0.25
8	700	1	0	9	650	5	0
8	700	2	0	9	700	1	0
8	700	3	0	9	700	2	0.25
8	700	4	0	9	700	3	0.5
8	700	5	0	9	700	4	0.25
8	750	1	0	9	700	5	0
8	750	2	0	9	750	1	0
8	750	3	0	9	750	2	0.25
8	750	4	0	9	750	3	0.5
8	750	5	0	9	750	4	0.25
8	800	1	0	9	750	5	0
8	800	2	0	9	800	1	0
8	800	3	0	9	800	2	0
8	800	4	0	9	800	3	0
peed	Disance	Brake	u	Speed	Disance	Brake	u
9	800	4	0	10	800	3	0
9	800	5	0	10	800	4	0
9 10	800 600	5 1	0	10 10	800 800	4 5	0
9 10 10	800 600 600	5 1 2	0 0 0	10 10 11	800 800 600	4 5 1	0 0 0
9 10 10 10	800 600 600	5 1 2 3	0 0 0	10 10 11 11	800 800 600 600	4 5 1 2	0 0 0
9 10 10 10	600 600 600	5 1 2 3 4	0 0 0 0	10 10 11 11	800 800 600 600	4 5 1 2 3	0 0 0 0
9 10 10 10	800 600 600	5 1 2 3	0 0 0	10 10 11 11	800 800 600 600	4 5 1 2 3 4	0 0 0
9 10 10 10	600 600 600	5 1 2 3 4	0 0 0 0	10 10 11 11	800 800 600 600	4 5 1 2 3	0 0 0 0
9 10 10 10 10	800 600 600 600 600 650	5 1 2 3 4 5	0 0 0 0 0	10 10 11 11 11 11	800 800 600 600 600	4 5 1 2 3 4	0 0 0 0 0 0
9 10 10 10 10 10	800 600 600 600 600 650	5 1 2 3 4 5 1	0 0 0 0 0	10 10 11 11 11 11	800 800 600 600 600	4 5 1 2 3 4 5	0 0 0 0 0 0
9 10 10 10 10 10 10	800 600 600 600 600 650	5 1 2 3 4 5 1 2	0 0 0 0 0 0 0	10 10 11 11 11 11 11	800 800 600 600 600 600 650	4 5 1 2 3 4 5 1	0 0 0 0 0 0
9 10 10 10 10 10 10 10 10	800 600 600 600 600 650 650 650	5 1 2 3 4 5 1 2 3	0 0 0 0 0 0 0 0.25	10 10 11 11 11 11 11 11 11	800 800 600 600 600 600 650 650	4 5 1 2 3 4 5 1 2	0 0 0 0 0 0 0 0 0 0.25
9 10 10 10 10 10 10 10 10	800 600 600 600 600 650 650 650	5 1 2 3 4 5 1 2 3 4 5	0 0 0 0 0 0 0 0.25 0.5	10 10 11 11 11 11 11 11 11 11	800 800 600 600 600 650 650 650	4 5 1 2 3 4 5 1 2 3	0 0 0 0 0 0 0 0 0.25
9 10 10 10 10 10 10 10 10 10	800 600 600 600 600 650 650 650 650	5 1 2 3 4 5 1 2 3 4 5	0 0 0 0 0 0 0 0.25 0.5 0.25	10 10 11 11 11 11 11 11 11 11	800 800 600 600 600 650 650 650	4 5 1 2 3 4 5 1 2 3 4 5	0 0 0 0 0 0 0 0.25 0.5
9 10 10 10 10 10 10 10 10 10 10	800 600 600 600 600 650 650 650 700	5 1 2 3 4 5 1 2 3 4 5 1	0 0 0 0 0 0 0.25 0.5 0.25	10 10 11 11 11 11 11 11 11 11 11	800 800 600 600 600 650 650 650 650 700	4 5 1 2 3 4 5 1 2 3 4 5	0 0 0 0 0 0 0 0 0.25 0.5 0.25
9 10 10 10 10 10 10 10 10 10 10	800 600 600 600 600 650 650 650 700 700	5 1 2 3 4 5 1 2 3 4 5 1 2	0 0 0 0 0 0 0 0.25 0.5 0.25 0 0	10 10 11 11 11 11 11 11 11 11 11 11	800 800 600 600 600 650 650 650 650 700	4 5 1 2 3 4 5 1 2 3 4 5 1	0 0 0 0 0 0 0 0.25 0.5 0.25
9 10 10 10 10 10 10 10 10 10 10	800 600 600 600 600 650 650 650 700 700	5 1 2 3 4 5 1 2 3 4 5 1 2	0 0 0 0 0 0 0.25 0.5 0.25	10 10 11 11 11 11 11 11 11 11 11	800 800 600 600 600 650 650 650 650	4 5 1 2 3 4 5 1 2 3 4 5 1	0 0 0 0 0 0 0 0 0.25 0.5 0.25
9 10 10 10 10 10 10 10 10 10 10	800 600 600 600 600 650 650 650 700 700 700	5 1 2 3 4 5 1 2 3 4 5 1 2	0 0 0 0 0 0 0 0.25 0.5 0.25 0 0	10 10 11 11 11 11 11 11 11 11 11 11	800 800 600 600 600 650 650 650 650 700	4 5 1 2 3 4 5 1 2 3 4 5 1 2 3	0 0 0 0 0 0 0 0.25 0.5 0.25
9 10 10 10 10 10 10 10 10 10 10 10	800 600 600 600 600 650 650 650 700 700 700 700	5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5	0 0 0 0 0 0 0 0.25 0.5 0.25 0.5 0	10 10 11 11 11 11 11 11 11 11 11 11	800 800 600 600 600 650 650 650 700 700	4 5 1 2 3 4 5 1 2 3 4 5 1 2 3	0 0 0 0 0 0 0 0 0.25 0.5 0.25
9 10 10 10 10 10 10 10 10 10 10 10	800 600 600 600 600 650 650 650 700 700 700	5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1	0 0 0 0 0 0 0 0.25 0.5 0.25 0 0 0.5 0	10 10 11 11 11 11 11 11 11 11 11 11 11	800 800 600 600 600 650 650 650 700 700 700	4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4	0 0 0 0 0 0 0 0 0.25 0.5 0.25
9 10 10 10 10 10 10 10 10 10 10 10 10 10	800 600 600 600 600 650 650 650 700 700 700 700 750	5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3	0 0 0 0 0 0 0 0.25 0.5 0.25 0 0.5 0 0.5 0	10 10 11 11 11 11 11 11 11 11 11 11 11 1	800 800 600 600 600 650 650 650 700 700 700 700 750	4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5	0 0 0 0 0 0 0 0 0.25 0.5 0.25 0.5 0.25
9 10 10 10 10 10 10 10 10 10 10 10 10 10	800 600 600 600 600 650 650 650 700 700 700 700 750 750	5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3	0 0 0 0 0 0 0 0.25 0.5 0.25 0 0 0.5 0 0 0.5	10 10 11 11 11 11 11 11 11 11 11 11 11 1	800 800 600 600 600 650 650 650 700 700 700 700 750	4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2	0 0 0 0 0 0 0 0.25 0.5 0.25 0.5 0.25 0.5 0.25
9 10 10 10 10 10 10 10 10 10 10 10 10 10	800 600 600 600 600 650 650 650 700 700 700 700 750 750	5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5	0 0 0 0 0 0 0 0.25 0.5 0.25 0 0.5 0 0.5 0 0.5	10 10 11 11 11 11 11 11 11 11 11 11 11 1	800 800 600 600 600 650 650 650 700 700 700 700 750 750	4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 3 4 5 1 3 3 4 5 1 3 3 4 5 1 3 3 4 5 3 3 3 4 3 3 3 4 3 3 3 3 4 3 3 3 3	0 0 0 0 0 0 0 0 0.25 0.5 0.25 0.5 0.25 0.2
9 10 10 10 10 10 10 10 10 10 10 10 10 10	800 600 600 600 600 650 650 650 700 700 700 700 750 750 750	5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	10 10 11 11 11 11 11 11 11 11 11 11 11 1	800 800 600 600 600 650 650 650 700 700 700 700 750 750	4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 4 5 1 2 3 4 4 5 1 2 3 4 4 5 1 2 3 4 4 5 1 2 3 4 4 5 1 3 4 4 5 1 3 4 4 5 1 3 4 4 5 1 3 4 4 5 1 3 4 4 5 1 3 4 4 5 1 3 4 4 5 1 3 4 4 5 1 3 4 4 5 1 3 4 4 5 1 5 1 2 3 4 4 4 5 1 5 1 2 4 4 4 5 1 5 1 2 4 4 5 1 5 1 2 4 4 5 1 5 1 2 4 4 5 1 5 1 2 3 4 4 5 1 5 1 2 4 4 5 1 5 1 2 3 4 4 5 1 5 1 2 3 4 4 5 1 5 1 2 3 4 4 5 1 5 1 2 3 4 4 5 1 5 1 5 1 2 3 3 4 3 4 4 5 1 3 3 4 5 1 2 3 3 3 4 3 3 3 3 3 4 3 3 3 3 4 3 3 3 4 3 3 3 3 4 3 3 3 3 4 3	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
9 10 10 10 10 10 10 10 10 10 10 10 10 10	800 600 600 600 600 650 650 650 700 700 700 700 750 750 750	5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1	0 0 0 0 0 0 0 0.25 0.5 0.25 0 0.5 0 0.5 0 0.5	10 10 11 11 11 11 11 11 11 11 11 11 11 1	800 800 600 600 600 650 650 650 700 700 700 700 750 750	4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 4 5 1 2 3 3 4 5 1 3 3 4 5 1 3 3 4 5 1 3 3 4 5 3 3 3 4 3 3 3 4 3 3 3 3 4 3 3 3 3	0 0 0 0 0 0 0 0 0.25 0.5 0.25 0.5 0.25 0.2

Speed	Disance	Brake	u	Speed	Disance	Brake	u
11	800	2	0	12	700	1	0
11	800	3	0	12	700	2	0
11	800	4	0	12	700	3	0
11	800	5	0	12	700	4	0
12	600	1	0	12	700	5	0
12	600	2	0	12	750	1	0
12	600	3	0	12	750	2	0
12	600	4	0	12	750	3	0
12	600	5	0	12	750	4	0
12	650	1	0	12	750	5	0
12	650	2	0	12	800	1	0
12	650	3	0	12	800	2	0
12	650	4	0	12	800	3	0
12	650	5	0	12	800	4	0
				12	800	5	0

4. Task 4

This is small table for first rule: Favorite speed (7) and distance (300)

Speed	Disance	Brake	u
7	300	0	0
7	300	1	0
7	300	2	0
7	300	3	0
7	300	4	0.25
7	300	5	0.5
7	300	6	0.25
7	300	7	0
7	300	8	0
7	300	9	0
7	300	10	0

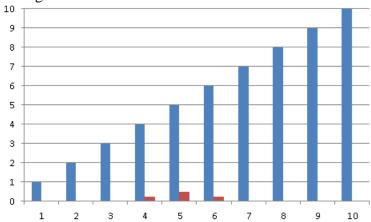
Now is small table for third rule: Favorite speed (9) and distance (700)

Speed	Disance	Brake	u
9	700	0	0
9	700	1	0
9	700	2	0.25
9	700	3	0.5
9	700	4	0.25
9	700	5	0
9	700	6	0
9	700	7	0
9	700	8	0
9	700	9	0
9	700	10	0

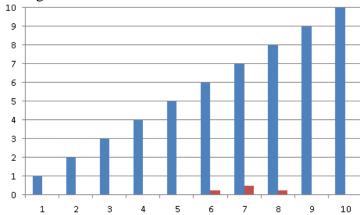
This is small table for second rule: Favorite speed (13) and distance (500)

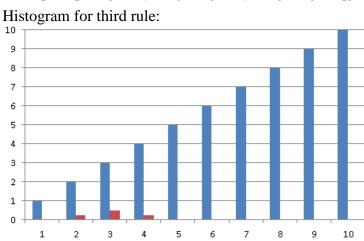
Speed	Disance	Brake	u
13	500	0	0
13	500	1	0
13	500	2	0
13	500	3	0
13	500	4	0
13	500	5	0
13	500	6	0.25
13	500	7	0.5
13	500	8	0.25
13	500	9	0
13	500	10	0

Histogram for first rule:



Histogram for second rule:





$$\sum (Xi-X)*\mu i = 0$$

$$X = 5/1 = 5$$
 for first rule

$$X = 7/1 = 7$$
 for second rule

$$X = 3/1 = 3$$
 for third rule