

In this practice our aim was to build a graphic for system with 25 rules and with speed = [0; 2.5; 5; 7.5; 10; 12.5; 15; 17.5; 20] and distance = [0; 100; 200; 300; 400; 500; 600; 700; 800; 900; 1000]

Here are the results of my work

Table of rules:

25 Rules			
IF X=	AND Y=	THEN Z=	
Very slow	Very Short	Weak	
	Short	Weak	
	Medium	Very weak	
	Long	Very weak	
	Very long	Very weak	
	Slow	Medium	
	Slow	Weak	
	Slow	Weak	
	Slow	Very weak	
	Very long	Very weak	
	Medium	Strong	
	Medium	Medium	
	Medium	Weak	
	Medium	Very weak	
	Medium	Very weak	
	Fast	Very strong	
	Fast	Strong	
	Fast	Medium	
	Fast	Weak	
	Fast	Weak	
	Very fast	Very strong	
	Very fast	Very strong	
	Very fast	Strong	
	Very fast	Medium	
	Very fast	Weak	

Table of balance

X(Speed)	Y(Distance)	Z(Balance)
0	0	3
0	100	3
0	200	3
0	300	1,66666667
0	400	0,875
0	500	0,875
0	600	0,875
0	700	0,875
0	800	0,875
0	900	0,875
0	1000	0,875
2,5	0	3,10810811
2,5	100	3,10810811
2,5	200	3
2,5	300	1,66666667
2,5	400	1,03333333
2,5	500	1,13888889
2,5	600	0,875
2,5	700	0,875
2,5	800	0,875
2,5	900	0,875
2,5	1000	0,875
5	0	4,0625
5	100	4,0625
5	200	3
5	300	2,0625
5	400	2,28571429
5	500	1,66666667
5	600	0,875
5	700	0,875
5	800	0,875
5	900	0,875
5	1000	0,875

7,5	0	5,15625	15	0	8,63636364
7,5	100	5,15625	15	100	8,63636364
7,5	200	3,40625	15	200	7,125
7,5	300	3,5	15	300	6,68
7,5	400	3	15	400	4,9375
7,5	500	1,66666667	15	500	4,15
7,5	600	0,875	15	600	3,23529412
7,5	700	0,875	15	700	3,33333333
7,5	800	0,875	15	800	3
7,5	900	0,875	15	900	3
7,5	1000	0,875	15	1000	3
10	0	6	17,5	0	8,63636364
10	100	6	17,5	100	8,63636364
10	200	4,5	17,5	200	8,49382716
10	300	3,625	17,5	300	7,74193548
10	400	3	17,5	400	5,89189189
10	500	1,66666667	17,5	500	5,08333333
10	600	0,875	17,5	600	4,28125
10	700	0,875	17,5	700	3,625
10	800	0,875	17,5	800	3
10	900	0,875	17,5	900	3
10	1000	0,875	17,5	1000	3
12,5	0	8,11940299	20	0	8,63636364
12,5	100	8,11940299	20	100	8,63636364
12,5	200	5,59375	20	200	8,63636364
12,5	300	4,65909091	20	300	7,86666667
12,5	400	3,84375	20	400	6
12,5	500	2,48076923	20	500	5,375
12,5	600	1,95454545	20	600	4,5
12,5	700	1,825	20	700	3,625
12,5	800	1,95454545	20	800	3
12,5	900	1,95454545	20	900	3
12,5	1000	1,95454545	20	1000	3

Here are the graphics for the results



