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<u>Task №5.</u>

This is 25 rules of all combination of {speed = very slow, slow, medium, fast, very fast} and {distance = very short, short, medium, long, very long} and logically brake {very weak, weak, medium, strong, very strong}:

IF x= very slow AND y= very short THEN z= very strong
IF x= very slow AND y=short THEN z= strong
IF x= very slow AND y= medium THEN z= medium
IF x= very slow AND y= long THEN z=very weak
IF x= very slow AND y= very long THEN z= very weak

IF x= slow AND y= very short THEN z= strong
IF x= slow AND y= short THEN z= strong
IF x= slow AND y= medium THEN z= weak
IF x= slow AND y= long THEN z= weak
IF x= slow AND y= very long THEN z= very weak

IF x= medium AND y= very short THEN z= very strong
IF x= medium AND y= short THEN z= medium
IF x= medium AND y= medium THEN z= medium
IF x= medium AND y= long THEN z= weak
IF x= medium AND y= very long THEN z= weak

IF x= fast AND y= very short THEN z= strong
IF x= fast AND y= short THEN z= strong
IF x= fast AND y= medium THEN z= medium
IF x= fast AND y= long THEN z= medium
IF x= fast AND y= very long THEN z= very weak

IF x= very fast AND y= very short THEN z= very strong
IF x= very fast AND y= short THEN z= strong
IF x= very fast AND y= medium THEN z= strong
IF x= very fast AND y= long THEN z= medium
IF x= very fast AND y= very long THEN z= very weak

Table value for all combination of (speed = {0, 1, 2, … , 20} and distance = {0, 50, 100,… , 1000}). We have 441 combinations.

Speed	Distance	Balance	Speed	Distance	Balance	Speed	Distance	Balance
0	0	8,64	1	0	8,64	2	0	8,64
0	50	8,64	1	50	8,64	2	50	8,64
0	100	8,64	1	100	8,64	2	100	8,64
0	150	7,87	1	150	7,87	2	150	7,87
0	200	6,00	1	200	6,00	2	200	6,00
0	250	5,76	1	250	5,76	2	250	5,76
0	300	5,38	1	300	5,38	2	300	5,38
0	350	4,94	1	350	4,94	2	350	4,94
0	400	4,50	1	400	4,50	2	400	4,50
0	450	3,05	1	450	3,05	2	450	3,05
0	500	2,08	1	500	2,08	2	500	2,08
0	550	1,39	1	550	1,39	2	550	1,39
0	600	0,87	1	600	0,87	2	600	0,87
0	650	0,88	1	650	0,88	2	650	0,88
0	700	0,87	1	700	0,87	2	700	0,87
0	750	0,88	1	750	0,88	2	750	0,88
0	800	0,87	1	800	0,87	2	800	0,87
0	850	0,87	1	850	0,87	2	850	0,87
0	900	0,87	1	900	0,87	2	900	0,87
0	950	0,87	1	950	0,87	2	950	0,87
0	1000	0,87	1	1000	0,87	2	1000	0,87

Speed	Distance	Balance	Speed	Distance	Balance	Speed	Distance	Balance
3	0	8,32	4	0	7,87	5	0	7,13
3	50	8,32	4	50	7,87	5	50	7,13
3	100	8,32	4	100	7,87	5	100	7,13
3	150	7,87	4	150	7,87	5	150	7,42
3	200	6,00	4	200	6,00	5	200	6,00
3	250	5,19	4	250	4,94	5	250	5,19
3	300	4,85	4	300	4,50	5	300	4,50
3	350	4,50	4	350	4,15	5	350	3,81
3	400	4,06	4	400	3,63	5	400	3,24
3	450	3,04	4	450	2,77	5	450	2,52
3	500	2,19	4	500	2,27	5	500	2,39
3	550	1,55	4	550	1,92	5	550	2,52
3	600	1,21	4	600	1,67	5	600	2,29
3	650	1,21	4	650	1,67	5	650	2,29
3	700	1,35	4	700	1,67	5	700	1,67
3	750	1,21	4	750	1,35	5	750	1,21
3	800	0,88	4	800	0,87	5	800	0,88
3	850	0,88	4	850	0,87	5	850	0,88
3	900	0,88	4	900	0,87	5	900	0,88
3	950	0,88	4	950	0,87	5	950	0,88
3	1000	0,88	4	1000	0,87	5	1000	0,88

Speed	Distance	Balance	Speed	Distance	Balance	Speed	Distance	Balance
6	0	6,00	7	0	7,13	8	0	7,87
6	50	6,00	7	50	7,13	8	50	7,87
6	100	6,00	7	100	7,13	8	100	7,87
6	150	6,00	7	150	7,10	8	150	7,28
6	200	6,00	7	200	5,76	8	200	5,38
6	250	5,25	7	250	5,19	8	250	4,85
6	300	4,50	7	300	4,50	8	300	4,50
6	350	3,75	7	350	3,81	8	350	4,15
6	400	3,00	7	400	3,24	8	400	3,63
6	450	3,00	7	450	3,24	8	450	3,63
6	500	3,00	7	500	3,33	8	500	3,63
6	550	3,00	7	550	3,24	8	550	3,33
6	600	3,00	7	600	3,00	8	600	3,00
6	650	2,29	7	650	2,29	8	650	2,06
6	700	1,67	7	700	1,67	8	700	1,67
6	750	1,21	7	750	1,21	8	750	1,67
6	800	0,87	7	800	1,21	8	800	1,67
6	850	0,87	7	850	1,21	8	850	1,67
6	900	0,87	7	900	1,21	8	900	1,67
6	950	0,87	7	950	1,21	8	950	1,67
6	1000	0,87	7	1000	1,21	8	1000	1,67

Speed	Distance	Balance	Speed	Distance	Balance	Speed	Distance	Balance
9	0	8,32	10	0	8,64	11	0	8,32
9	50	8,32	10	50	8,64	11	50	8,32
9	100	8,32	10	100	8,64	11	100	8,32
9	150	7,39	10	150	7,53	11	150	7,39
9	200	4,94	10	200	4,50	11	200	4,94
9	250	4,50	10	250	4,50	11	250	4,94
9	300	4,50	10	300	4,50	11	300	5,08
9	350	4,50	10	350	4,50	11	350	4,94
9	400	4,06	10	400	4,50	11	400	4,50
9	450	4,06	10	450	4,06	11	450	4,06
9	500	3,63	10	500	3,63	11	500	3,63
9	550	3,24	10	550	3,24	11	550	3,24
9	600	3,00	10	600	3,00	11	600	3,24
9	650	2,29	10	650	3,00	11	650	2,52
9	700	2,06	10	700	3,00	11	700	2,39
9	750	2,29	10	750	3,00	11	750	2,52
9	800	2,29	10	800	3,00	11	800	2,29
9	850	2,29	10	850	3,00	11	850	2,29
9	900	2,29	10	900	3,00	11	900	2,29
9	950	2,29	10	950	3,00	11	950	2,29
9	1000	2,29	10	1000	3,00	11	1000	2,29

Speed	Distance	Balance	Speed	Distance	Balance	Speed	Distance	Balance
12	0	7,87	13	0	7,13	14	0	6,00
12	50	7,87	13	50	7,13	14	50	6,00
12	100	7,87	13	100	7,13	14	100	6,00
12	150	7,28	13	150	7,10	14	150	6,00
12	200	5,38	13	200	5,76	14	200	6,00
12	250	5,38	13	250	5,76	14	250	5,76
12	300	5,38	13	300	5,38	14	300	5,38
12	350	5,08	13	350	4,94	14	350	4,94
12	400	4,50	13	400	4,50	14	400	4,50
12	450	3,92	13	450	4,06	14	450	4,50
12	500	3,63	13	500	3,92	14	500	4,50
12	550	3,63	13	550	4,06	14	550	4,50
12	600	3,63	13	600	4,06	14	600	4,50
12	650	2,77	13	650	3,04	14	650	3,05
12	700	2,27	13	700	2,19	14	700	2,08
12	750	1,92	13	750	1,55	14	750	1,39
12	800	1,67	13	800	1,21	14	800	0,87
12	850	1,67	13	850	1,21	14	850	0,87
12	900	1,67	13	900	1,21	14	900	0,87
12	950	1,67	13	950	1,21	14	950	0,87
12	1000	1,67	13	1000	1,21	14	1000	0,87

Speed	Distance	Balance	Speed	Distance	Balance	Speed	Distance	Balance
15	0	7,13	16	0	7,87	17	0	8,32
15	50	7,13	16	50	7,87	17	50	8,32
15	100	7,13	16	100	7,87	17	100	8,32
15	150	7,42	16	150	7,87	17	150	7,87
15	200	6,00	16	200	6,00	17	200	6,00
15	250	5,76	16	250	5,67	17	250	5,76
15	300	5,38	16	300	5,38	17	300	5,67
15	350	4,94	16	350	5,38	17	350	5,76
15	400	4,94	16	400	5,38	17	400	5,76
15	450	4,94	16	450	5,38	17	450	5,76
15	500	5,08	16	500	5,38	17	500	5,38
15	550	4,94	16	550	5,08	17	550	4,94
15	600	4,50	16	600	4,50	17	600	4,50
15	650	3,05	16	650	2,69	17	650	3,05
15	700	2,08	16	700	2,08	17	700	2,08
15	750	1,39	16	750	1,60	17	750	1,39
15	800	0,88	16	800	0,87	17	800	0,88
15	850	0,88	16	850	0,87	17	850	0,88
15	900	0,88	16	900	0,87	17	900	0,88
15	950	0,88	16	950	0,87	17	950	0,88
15	1000	0,88	16	1000	0,87	17	1000	0,88

Speed	Distance	Balance	Speed	Distance	Balance	Speed	Distance	Balance
18	0	8,64	19	0	8,64	20	0	8,64
18	50	8,64	19	50	8,64	20	50	8,64
18	100	8,64	19	100	8,64	20	100	8,64
18	150	7,87	19	150	7,87	20	150	7,87
18	200	6,00	19	200	6,00	20	200	6,00
18	250	6,00	19	250	6,00	20	250	6,00
18	300	6,00	19	300	6,00	20	300	6,00
18	350	6,00	19	350	6,00	20	350	6,00
18	400	6,00	19	400	6,00	20	400	6,00
18	450	5,76	19	450	5,76	20	450	5,76
18	500	5,38	19	500	5,38	20	500	5,38
18	550	4,94	19	550	4,94	20	550	4,94
18	600	4,50	19	600	4,50	20	600	4,50
18	650	3,05	19	650	3,05	20	650	3,05
18	700	2,08	19	700	2,08	20	700	2,08
18	750	1,39	19	750	1,39	20	750	1,39
18	800	0,87	19	800	0,87	20	800	0,87
18	850	0,87	19	850	0,87	20	850	0,87
18	900	0,87	19	900	0,87	20	900	0,87
18	950	0,87	19	950	0,87	20	950	0,87
18	1000	0,87	19	1000	0,87	20	1000	0,87

Screenshots:

Speed is starting with value=10 and changes every step by adding -9, 0 or +9 at random.
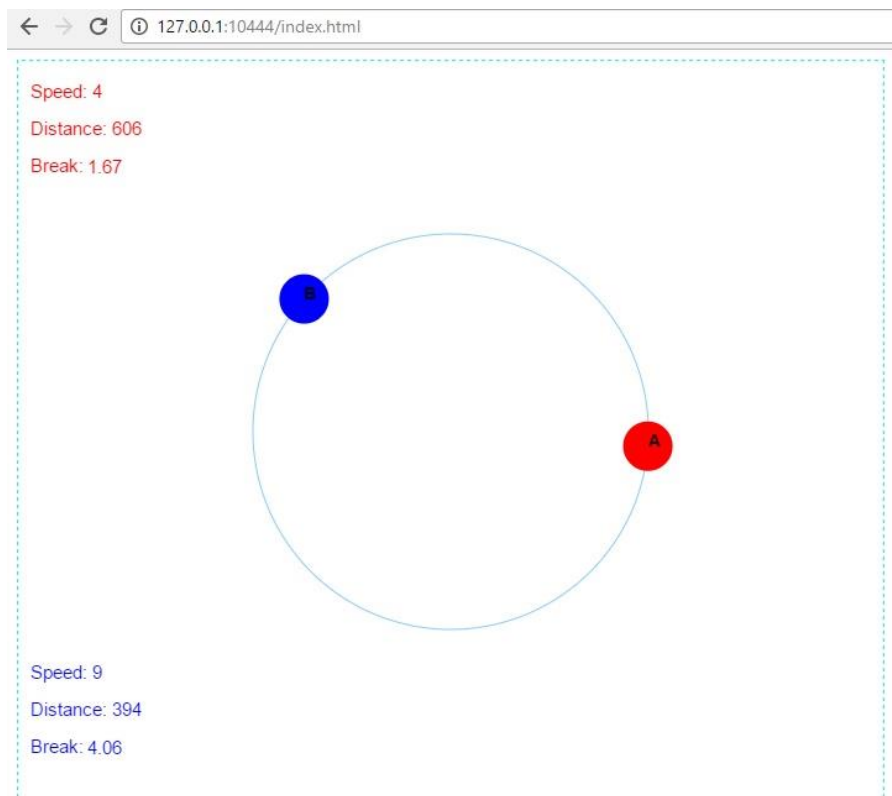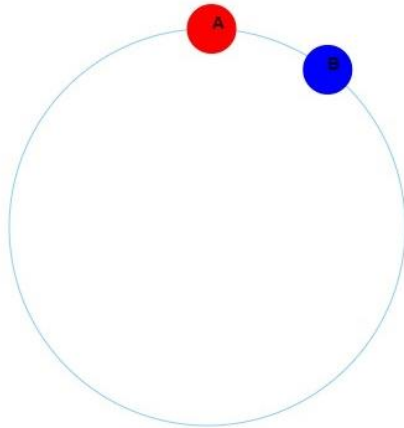
Speed: 7

Distance: 100

Break: 7.13

B A
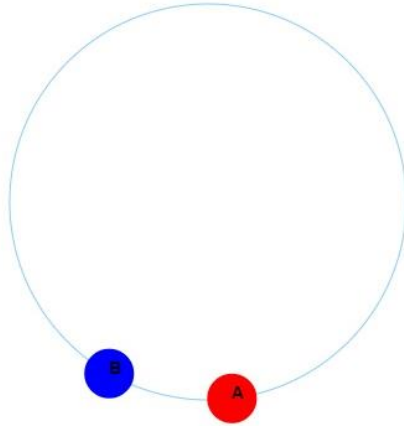
Speed: 8

Distance: 900

Break: 1.67

Speed: 14

Distance: 101

Break: 6

A B

Speed: 11

Distance: 899

Break: 2.29

Speed: 4
Distance: 650
Break: 1.67

A

B

Speed: 8
Distance: 350
Break: 4.15

127.0.0.1:16355/index.html

Speed: 4
Distance: 950
Break: 0.87

A

B

Speed: 0
Distance: 50
Break: 8.64

127.0.0.1:16355/index.html