

1st set of rules:

IF speed slow AND distance is short THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0.333	0
		3	0	0.75	1	0
		4	0	0.75	0.333	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed slow AND distance is medium THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0	0
		3	0	0.25	0	0
		4	0	0.25	0.667	0
		5	0	0.25	0.667	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0.667	0
		5	0	0.5	0.667	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0.667	0
		5	0	0.5	0.667	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed slow AND distance is long THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0.333	0
		3	0	0.5	1	0
		4	0	0.5	0.333	0
		5	0	0.5	0	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0.333	0
		3	0	0.25	1	0
		4	0	0.25	0.333	0
		5	0	0.25	0	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed slow AND distance is short THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0.333	0
		3	0.75	0	1	0
		4	0.75	0	0.333	0
		5	0.75	0	0	0
		6	0.75	0	0	0
		7	0.75	0	0	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0.75	0.75	0	0
		1	0.75	0.75	0	0
		2	0.75	0.75	0.333	0.24975
		3	0.75	0.75	1	0.75
		4	0.75	0.75	0.333	0.24975
		5	0.75	0.75	0	0
		6	0.75	0.75	0	0
		7	0.75	0.75	0	0
		8	0.75	0.75	0	0
		9	0.75	0.75	0	0
		10	0.75	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0.333	0
		3	0.75	0	1	0
		4	0.75	0	0.333	0
		5	0.75	0	0	0
		6	0.75	0	0	0
		7	0.75	0	0	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0.333	0
		3	0.75	0	1	0
		4	0.75	0	0.333	0
		5	0.75	0	0	0
		6	0.75	0	0	0
		7	0.75	0	0	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	1000	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0.333	0
		3	0.75	0	1	0
		4	0.75	0	0.333	0
		5	0.75	0	0	0
		6	0.75	0	0	0
		7	0.75	0	0	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0

IF speed slow AND distance is medium THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0	0
		3	0.75	0	0	0
		4	0.75	0	0.667	0
		5	0.75	0	0.667	0
		6	0.75	0	0	0
		7	0.75	0	0	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0.75	0.25	0	0
		1	0.75	0.25	0	0
		2	0.75	0.25	0	0
		3	0.75	0.25	0	0
		4	0.75	0.25	0.667	0.16675
		5	0.75	0.25	0.667	0.16675
		6	0.75	0.25	0	0
		7	0.75	0.25	0	0
		8	0.75	0.25	0	0
		9	0.75	0.25	0	0
		10	0.75	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0.75	0.5	0	0
		1	0.75	0.5	0	0
		2	0.75	0.5	0	0
		3	0.75	0.5	0	0
		4	0.75	0.5	0.667	0.3335
		5	0.75	0.5	0.667	0.3335
		6	0.75	0.5	0	0
		7	0.75	0.5	0	0
		8	0.75	0.5	0	0
		9	0.75	0.5	0	0
		10	0.75	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0.75	0.5	0	0
		1	0.75	0.5	0	0
		2	0.75	0.5	0	0
		3	0.75	0.5	0	0
		4	0.75	0.5	0.667	0.3335
		5	0.75	0.5	0.667	0.3335
		6	0.75	0.5	0	0
		7	0.75	0.5	0	0
		8	0.75	0.5	0	0
		9	0.75	0.5	0	0
		10	0.75	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	1000	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0	0
		3	0.75	0	0	0
		4	0.75	0	0.667	0
		5	0.75	0	0.667	0
		6	0.75	0	0	0
		7	0.75	0	0	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0

IF speed slow AND distance is long THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0.333	0
		3	0.75	0	1	0
		4	0.75	0	0.333	0
		5	0.75	0	0	0
		6	0.75	0	0	0
		7	0.75	0	0	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0.333	0
		3	0.75	0	1	0
		4	0.75	0	0.333	0
		5	0.75	0	0	0
		6	0.75	0	0	0
		7	0.75	0	0	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0.75	0.5	0	0
		1	0.75	0.5	0	0
		2	0.75	0.5	0.333	0.1665
		3	0.75	0.5	1	0.5
		4	0.75	0.5	0.333	0.1665
		5	0.75	0.5	0	0
		6	0.75	0.5	0	0
		7	0.75	0.5	0	0
		8	0.75	0.5	0	0
		9	0.75	0.5	0	0
		10	0.75	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0.75	0.25	0	0
		1	0.75	0.25	0	0
		2	0.75	0.25	0.333	0.08325
		3	0.75	0.25	1	0.25
		4	0.75	0.25	0.333	0.08325
		5	0.75	0.25	0	0
		6	0.75	0.25	0	0
		7	0.75	0.25	0	0
		8	0.75	0.25	0	0
		9	0.75	0.25	0	0
		10	0.75	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	1000	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0.333	0
		3	0.75	0	1	0
		4	0.75	0	0.333	0
		5	0.75	0	0	0
		6	0.75	0	0	0
		7	0.75	0	0	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0

IF speed slow AND distance is short THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0.333	0
		3	0	0.75	1	0
		4	0	0.75	0.333	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed slow AND distance is medium THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0	0
		3	0	0.25	0	0
		4	0	0.25	0.667	0
		5	0	0.25	0.667	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0.667	0
		5	0	0.5	0.667	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0.667	0
		5	0	0.5	0.667	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed slow AND distance is long THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0.333	0
		3	0	0.5	1	0
		4	0	0.5	0.333	0
		5	0	0.5	0	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0.333	0
		3	0	0.25	1	0
		4	0	0.25	0.333	0
		5	0	0.25	0	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed slow AND distance is short THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	250	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0.333	0
		3	0	0.75	1	0
		4	0	0.75	0.333	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed slow AND distance is medium THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	250	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0	0
		3	0	0.25	0	0
		4	0	0.25	0.667	0
		5	0	0.25	0.667	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0.667	0
		5	0	0.5	0.667	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	750	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0.667	0
		5	0	0.5	0.667	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed slow AND distance is long THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0.333	0
		3	0	0.5	1	0
		4	0	0.5	0.333	0
		5	0	0.5	0	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	750	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0.333	0
		3	0	0.25	1	0
		4	0	0.25	0.333	0
		5	0	0.25	0	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed slow AND distance is short THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0.333	0
		3	0	0.75	1	0
		4	0	0.75	0.333	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed slow AND distance is medium THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0	0
		3	0	0.25	0	0
		4	0	0.25	0.667	0
		5	0	0.25	0.667	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0.667	0
		5	0	0.5	0.667	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0.667	0
		5	0	0.5	0.667	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed slow AND distance is long THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0.333	0
		3	0	0.5	1	0
		4	0	0.5	0.333	0
		5	0	0.5	0	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0.333	0
		3	0	0.25	1	0
		4	0	0.25	0.333	0
		5	0	0.25	0	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

2nd set of rules:

IF speed medium AND distance is short THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0	0
		3	0	0.75	0	0
		4	0	0.75	0.667	0
		5	0	0.75	0.667	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed medium AND distance is medium THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0	0
		3	0	0.25	0	0
		4	0	0.25	0.667	0
		5	0	0.25	0.667	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0.667	0
		5	0	0.5	0.667	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0.667	0
		5	0	0.5	0.667	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed medium AND distance is long THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0.333	0
		3	0	0.5	1	0
		4	0	0.5	0.333	0
		5	0	0.5	0	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0.333	0
		3	0	0.25	1	0
		4	0	0.25	0.333	0
		5	0	0.25	0	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed medium AND distance is short THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0	0
		3	0	0.75	0	0
		4	0	0.75	0.667	0
		5	0	0.75	0.667	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed medium AND distance is medium THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0	0
		3	0	0.25	0	0
		4	0	0.25	0.667	0
		5	0	0.25	0.667	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0.667	0
		5	0	0.5	0.667	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0.667	0
		5	0	0.5	0.667	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed medium AND distance is long THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0.333	0
		3	0	0.5	1	0
		4	0	0.5	0.333	0
		5	0	0.5	0	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0.333	0
		3	0	0.25	1	0
		4	0	0.25	0.333	0
		5	0	0.25	0	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed medium AND distance is short THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0.667	0
		5	1	0	0.667	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	1	0.75	0	0
		1	1	0.75	0	0
		2	1	0.75	0	0
		3	1	0.75	0	0
		4	1	0.75	0.667	0.50025
		5	1	0.75	0.667	0.50025
		6	1	0.75	0	0
		7	1	0.75	0	0
		8	1	0.75	0	0
		9	1	0.75	0	0
		10	1	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0.667	0
		5	1	0	0.667	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0.667	0
		5	1	0	0.667	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	1000	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0.667	0
		5	1	0	0.667	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0

IF speed medium AND distance is medium THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0.667	0
		5	1	0	0.667	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	1	0.25	0	0
		1	1	0.25	0	0
		2	1	0.25	0	0
		3	1	0.25	0	0
		4	1	0.25	0.667	0.16675
		5	1	0.25	0.667	0.16675
		6	1	0.25	0	0
		7	1	0.25	0	0
		8	1	0.25	0	0
		9	1	0.25	0	0
		10	1	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	1	0.5	0	0
		1	1	0.5	0	0
		2	1	0.5	0	0
		3	1	0.5	0	0
		4	1	0.5	0.667	0.3335
		5	1	0.5	0.667	0.3335
		6	1	0.5	0	0
		7	1	0.5	0	0
		8	1	0.5	0	0
		9	1	0.5	0	0
		10	1	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	1	0.5	0	0
		1	1	0.5	0	0
		2	1	0.5	0	0
		3	1	0.5	0	0
		4	1	0.5	0.667	0.3335
		5	1	0.5	0.667	0.3335
		6	1	0.5	0	0
		7	1	0.5	0	0
		8	1	0.5	0	0
		9	1	0.5	0	0
		10	1	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	1000	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0.667	0
		5	1	0	0.667	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0

IF speed medium AND distance is long THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0.333	0
		3	1	0	1	0
		4	1	0	0.333	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0.333	0
		3	1	0	1	0
		4	1	0	0.333	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	1	0.5	0	0
		1	1	0.5	0	0
		2	1	0.5	0.333	0.1665
		3	1	0.5	1	0.5
		4	1	0.5	0.333	0.1665
		5	1	0.5	0	0
		6	1	0.5	0	0
		7	1	0.5	0	0
		8	1	0.5	0	0
		9	1	0.5	0	0
		10	1	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	1	0.25	0	0
		1	1	0.25	0	0
		2	1	0.25	0.333	0.08325
		3	1	0.25	1	0.25
		4	1	0.25	0.333	0.08325
		5	1	0.25	0	0
		6	1	0.25	0	0
		7	1	0.25	0	0
		8	1	0.25	0	0
		9	1	0.25	0	0
		10	1	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0.333	0
		3	1	0	1	0
		4	1	0	0.333	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0

IF speed medium AND distance is short THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	250	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0	0
		3	0	0.75	0	0
		4	0	0.75	0.667	0
		5	0	0.75	0.667	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed medium AND distance is medium THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	250	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0	0
		3	0	0.25	0	0
		4	0	0.25	0.667	0
		5	0	0.25	0.667	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0.667	0
		5	0	0.5	0.667	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	750	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0.667	0
		5	0	0.5	0.667	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed medium AND distance is long THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0.333	0
		3	0	0.5	1	0
		4	0	0.5	0.333	0
		5	0	0.5	0	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	750	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0.333	0
		3	0	0.25	1	0
		4	0	0.25	0.333	0
		5	0	0.25	0	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed medium AND distance is short THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0	0
		3	0	0.75	0	0
		4	0	0.75	0.667	0
		5	0	0.75	0.667	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed medium AND distance is medium THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0	0
		3	0	0.25	0	0
		4	0	0.25	0.667	0
		5	0	0.25	0.667	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0.667	0
		5	0	0.5	0.667	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0.667	0
		5	0	0.5	0.667	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed medium AND distance is long THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0.333	0
		3	0	0.5	1	0
		4	0	0.5	0.333	0
		5	0	0.5	0	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0.333	0
		3	0	0.25	1	0
		4	0	0.25	0.333	0
		5	0	0.25	0	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

3rd set of rules:

IF speed is fast AND distance is short THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0	0
		3	0	0.75	0	0
		4	0	0.75	0	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0.667	0
		8	0	0.75	1	0
		9	0	0.75	1	0
		10	0	0.75	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0

IF speed is fast AND distance is medium THEN brake is strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0	0
		3	0	0.25	0	0
		4	0	0.25	0	0
		5	0	0.25	0.333	0
		6	0	0.25	1	0
		7	0	0.25	0.333	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0	0
		5	0	0.5	0.333	0
		6	0	0.5	1	0
		7	0	0.5	0.333	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0	0
		5	0	0.5	0.333	0
		6	0	0.5	1	0
		7	0	0.5	0.333	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed is fast AND distance is long THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0.667	0
		5	0	0.5	0.667	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0	0
		3	0	0.25	0	0
		4	0	0.25	0.667	0
		5	0	0.25	0.667	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed is fast AND distance is short THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0	0
		3	0	0.75	0	0
		4	0	0.75	0	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0.667	0
		8	0	0.75	1	0
		9	0	0.75	1	0
		10	0	0.75	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0

IF speed is fast AND distance is medium THEN brake is strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0	0
		3	0	0.25	0	0
		4	0	0.25	0	0
		5	0	0.25	0.333	0
		6	0	0.25	1	0
		7	0	0.25	0.333	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0	0
		5	0	0.5	0.333	0
		6	0	0.5	1	0
		7	0	0.5	0.333	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0	0
		5	0	0.5	0.333	0
		6	0	0.5	1	0
		7	0	0.5	0.333	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed is fast AND distance is long THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0.667	0
		5	0	0.5	0.667	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0	0
		3	0	0.25	0	0
		4	0	0.25	0.667	0
		5	0	0.25	0.667	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed is fast AND distance is short THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0	0
		3	0	0.75	0	0
		4	0	0.75	0	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0.667	0
		8	0	0.75	1	0
		9	0	0.75	1	0
		10	0	0.75	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0

IF speed is fast AND distance is medium THEN brake is strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0	0
		3	0	0.25	0	0
		4	0	0.25	0	0
		5	0	0.25	0.333	0
		6	0	0.25	1	0
		7	0	0.25	0.333	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0	0
		5	0	0.5	0.333	0
		6	0	0.5	1	0
		7	0	0.5	0.333	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0	0
		5	0	0.5	0.333	0
		6	0	0.5	1	0
		7	0	0.5	0.333	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed is fast AND distance is long THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0.667	0
		5	0	0.5	0.667	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0	0
		3	0	0.25	0	0
		4	0	0.25	0.667	0
		5	0	0.25	0.667	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed is fast AND distance is short THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0	0
		3	0.75	0	0	0
		4	0.75	0	0	0
		5	0.75	0	0	0
		6	0.75	0	0	0
		7	0.75	0	0.667	0
		8	0.75	0	1	0
		9	0.75	0	1	0
		10	0.75	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	250	0	0.75	0.75	0	0
		1	0.75	0.75	0	0
		2	0.75	0.75	0	0
		3	0.75	0.75	0	0
		4	0.75	0.75	0	0
		5	0.75	0.75	0	0
		6	0.75	0.75	0	0
		7	0.75	0.75	0.667	0.50025
		8	0.75	0.75	1	0.75
		9	0.75	0.75	1	0.75
		10	0.75	0.75	1	0.75
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	500	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0	0
		3	0.75	0	0	0
		4	0.75	0	0	0
		5	0.75	0	0	0
		6	0.75	0	0	0
		7	0.75	0	0.667	0
		8	0.75	0	1	0
		9	0.75	0	1	0
		10	0.75	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	750	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0	0
		3	0.75	0	0	0
		4	0.75	0	0	0
		5	0.75	0	0	0
		6	0.75	0	0	0
		7	0.75	0	0.667	0
		8	0.75	0	1	0
		9	0.75	0	1	0
		10	0.75	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	1000	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0	0
		3	0.75	0	0	0
		4	0.75	0	0	0
		5	0.75	0	0	0
		6	0.75	0	0	0
		7	0.75	0	0.667	0
		8	0.75	0	1	0
		9	0.75	0	1	0
		10	0.75	0	1	0

IF speed is fast AND distance is medium THEN brake is strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0	0
		3	0.75	0	0	0
		4	0.75	0	0	0
		5	0.75	0	0.333	0
		6	0.75	0	1	0
		7	0.75	0	0.333	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	250	0	0.75	0.25	0	0
		1	0.75	0.25	0	0
		2	0.75	0.25	0	0
		3	0.75	0.25	0	0
		4	0.75	0.25	0	0
		5	0.75	0.25	0.333	0.08325
		6	0.75	0.25	1	0.25
		7	0.75	0.25	0.333	0.08325
		8	0.75	0.25	0	0
		9	0.75	0.25	0	0
		10	0.75	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	500	0	0.75	0.5	0	0
		1	0.75	0.5	0	0
		2	0.75	0.5	0	0
		3	0.75	0.5	0	0
		4	0.75	0.5	0	0
		5	0.75	0.5	0.333	0.1665
		6	0.75	0.5	1	0.5
		7	0.75	0.5	0.333	0.1665
		8	0.75	0.5	0	0
		9	0.75	0.5	0	0
		10	0.75	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	750	0	0.75	0.5	0	0
		1	0.75	0.5	0	0
		2	0.75	0.5	0	0
		3	0.75	0.5	0	0
		4	0.75	0.5	0	0
		5	0.75	0.5	0.333	0.1665
		6	0.75	0.5	1	0.5
		7	0.75	0.5	0.333	0.1665
		8	0.75	0.5	0	0
		9	0.75	0.5	0	0
		10	0.75	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	1000	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0	0
		3	0.75	0	0	0
		4	0.75	0	0	0
		5	0.75	0	0.333	0
		6	0.75	0	1	0
		7	0.75	0	0.333	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0

IF speed is fast AND distance is long THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0	0
		3	0.75	0	0	0
		4	0.75	0	0.667	0
		5	0.75	0	0.667	0
		6	0.75	0	0	0
		7	0.75	0	0	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	250	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0	0
		3	0.75	0	0	0
		4	0.75	0	0.667	0
		5	0.75	0	0.667	0
		6	0.75	0	0	0
		7	0.75	0	0	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	500	0	0.75	0.5	0	0
		1	0.75	0.5	0	0
		2	0.75	0.5	0	0
		3	0.75	0.5	0	0
		4	0.75	0.5	0.667	0.3335
		5	0.75	0.5	0.667	0.3335
		6	0.75	0.5	0	0
		7	0.75	0.5	0	0
		8	0.75	0.5	0	0
		9	0.75	0.5	0	0
		10	0.75	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	750	0	0.75	0.25	0	0
		1	0.75	0.25	0	0
		2	0.75	0.25	0	0
		3	0.75	0.25	0	0
		4	0.75	0.25	0.667	0.16675
		5	0.75	0.25	0.667	0.16675
		6	0.75	0.25	0	0
		7	0.75	0.25	0	0
		8	0.75	0.25	0	0
		9	0.75	0.25	0	0
		10	0.75	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0	0
		3	0.75	0	0	0
		4	0.75	0	0.667	0
		5	0.75	0	0.667	0
		6	0.75	0	0	0
		7	0.75	0	0	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0

IF speed is fast AND distance is short THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0	0
		3	0	0.75	0	0
		4	0	0.75	0	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0.667	0
		8	0	0.75	1	0
		9	0	0.75	1	0
		10	0	0.75	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0

IF speed is fast AND distance is medium THEN brake is strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0	0
		3	0	0.25	0	0
		4	0	0.25	0	0
		5	0	0.25	0.333	0
		6	0	0.25	1	0
		7	0	0.25	0.333	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0	0
		5	0	0.5	0.333	0
		6	0	0.5	1	0
		7	0	0.5	0.333	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0	0
		5	0	0.5	0.333	0
		6	0	0.5	1	0
		7	0	0.5	0.333	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed is fast AND distance is long THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0.667	0
		5	0	0.5	0.667	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0	0
		3	0	0.25	0	0
		4	0	0.25	0.667	0
		5	0	0.25	0.667	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

4th set of rules:

IF speed very slow AND distance is very short THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0.333	0
		3	1	0	1	0
		4	1	0	0.333	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0.333	0
		3	1	0	1	0
		4	1	0	0.333	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0.333	0
		3	1	0	1	0
		4	1	0	0.333	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0.333	0
		3	1	0	1	0
		4	1	0	0.333	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0.333	0
		3	1	0	1	0
		4	1	0	0.333	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0

IF speed very slow AND distance is short THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0.333	0
		3	1	0	1	0
		4	1	0	0.333	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	1	0.75	0	0
		1	1	0.75	0	0
		2	1	0.75	0.333	0.24975
		3	1	0.75	1	0.75
		4	1	0.75	0.333	0.24975
		5	1	0.75	0	0
		6	1	0.75	0	0
		7	1	0.75	0	0
		8	1	0.75	0	0
		9	1	0.75	0	0
		10	1	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0.333	0
		3	1	0	1	0
		4	1	0	0.333	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0.333	0
		3	1	0	1	0
		4	1	0	0.333	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0.333	0
		3	1	0	1	0
		4	1	0	0.333	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0

IF speed very slow AND distance is medium THEN brake is very weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	1	0	1	0
		1	1	0	1	0
		2	1	0	0.666	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	1	0.25	1	0.25
		1	1	0.25	1	0.25
		2	1	0.25	0.666	0.1665
		3	1	0.25	0	0
		4	1	0.25	0	0
		5	1	0.25	0	0
		6	1	0.25	0	0
		7	1	0.25	0	0
		8	1	0.25	0	0
		9	1	0.25	0	0
		10	1	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	1	0.5	1	0.5
		1	1	0.5	1	0.5
		2	1	0.5	0.666	0.333
		3	1	0.5	0	0
		4	1	0.5	0	0
		5	1	0.5	0	0
		6	1	0.5	0	0
		7	1	0.5	0	0
		8	1	0.5	0	0
		9	1	0.5	0	0
		10	1	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	1	0.5	1	0.5
		1	1	0.5	1	0.5
		2	1	0.5	0.666	0.333
		3	1	0.5	0	0
		4	1	0.5	0	0
		5	1	0.5	0	0
		6	1	0.5	0	0
		7	1	0.5	0	0
		8	1	0.5	0	0
		9	1	0.5	0	0
		10	1	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	1	0	1	0
		1	1	0	1	0
		2	1	0	0.666	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0

IF speed very slow AND distance is very short THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0.25	0	0	0
		1	0.25	0	0	0
		2	0.25	0	0.333	0
		3	0.25	0	1	0
		4	0.25	0	0.333	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0	0
		8	0.25	0	0	0
		9	0.25	0	0	0
		10	0.25	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0.25	0	0	0
		1	0.25	0	0	0
		2	0.25	0	0.333	0
		3	0.25	0	1	0
		4	0.25	0	0.333	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0	0
		8	0.25	0	0	0
		9	0.25	0	0	0
		10	0.25	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0.25	0	0	0
		1	0.25	0	0	0
		2	0.25	0	0.333	0
		3	0.25	0	1	0
		4	0.25	0	0.333	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0	0
		8	0.25	0	0	0
		9	0.25	0	0	0
		10	0.25	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0.25	0	0	0
		1	0.25	0	0	0
		2	0.25	0	0.333	0
		3	0.25	0	1	0
		4	0.25	0	0.333	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0	0
		8	0.25	0	0	0
		9	0.25	0	0	0
		10	0.25	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	1000	0	0.25	0	0	0
		1	0.25	0	0	0
		2	0.25	0	0.333	0
		3	0.25	0	1	0
		4	0.25	0	0.333	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0	0
		8	0.25	0	0	0
		9	0.25	0	0	0
		10	0.25	0	0	0

IF speed very slow AND distance is short THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0.25	0	0	0
		1	0.25	0	0	0
		2	0.25	0	0.333	0
		3	0.25	0	1	0
		4	0.25	0	0.333	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0	0
		8	0.25	0	0	0
		9	0.25	0	0	0
		10	0.25	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0.25	0.75	0	0
		1	0.25	0.75	0	0
		2	0.25	0.75	0.333	0.08325
		3	0.25	0.75	1	0.25
		4	0.25	0.75	0.333	0.08325
		5	0.25	0.75	0	0
		6	0.25	0.75	0	0
		7	0.25	0.75	0	0
		8	0.25	0.75	0	0
		9	0.25	0.75	0	0
		10	0.25	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0.25	0	0	0
		1	0.25	0	0	0
		2	0.25	0	0.333	0
		3	0.25	0	1	0
		4	0.25	0	0.333	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0	0
		8	0.25	0	0	0
		9	0.25	0	0	0
		10	0.25	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0.25	0	0	0
		1	0.25	0	0	0
		2	0.25	0	0.333	0
		3	0.25	0	1	0
		4	0.25	0	0.333	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0	0
		8	0.25	0	0	0
		9	0.25	0	0	0
		10	0.25	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	1000	0	0.25	0	0	0
		1	0.25	0	0	0
		2	0.25	0	0.333	0
		3	0.25	0	1	0
		4	0.25	0	0.333	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0	0
		8	0.25	0	0	0
		9	0.25	0	0	0
		10	0.25	0	0	0

IF speed very slow AND distance is medium THEN brake is very weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0.25	0	1	0
		1	0.25	0	1	0
		2	0.25	0	0.666	0
		3	0.25	0	0	0
		4	0.25	0	0	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0	0
		8	0.25	0	0	0
		9	0.25	0	0	0
		10	0.25	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0.25	0.25	1	0.25
		1	0.25	0.25	1	0.25
		2	0.25	0.25	0.666	0.1665
		3	0.25	0.25	0	0
		4	0.25	0.25	0	0
		5	0.25	0.25	0	0
		6	0.25	0.25	0	0
		7	0.25	0.25	0	0
		8	0.25	0.25	0	0
		9	0.25	0.25	0	0
		10	0.25	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0.25	0.5	1	0.25
		1	0.25	0.5	1	0.25
		2	0.25	0.5	0.666	0.1665
		3	0.25	0.5	0	0
		4	0.25	0.5	0	0
		5	0.25	0.5	0	0
		6	0.25	0.5	0	0
		7	0.25	0.5	0	0
		8	0.25	0.5	0	0
		9	0.25	0.5	0	0
		10	0.25	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0.25	0.5	1	0.25
		1	0.25	0.5	1	0.25
		2	0.25	0.5	0.666	0.1665
		3	0.25	0.5	0	0
		4	0.25	0.5	0	0
		5	0.25	0.5	0	0
		6	0.25	0.5	0	0
		7	0.25	0.5	0	0
		8	0.25	0.5	0	0
		9	0.25	0.5	0	0
		10	0.25	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	1000	0	0.25	0	1	0
		1	0.25	0	1	0
		2	0.25	0	0.666	0
		3	0.25	0	0	0
		4	0.25	0	0	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0	0
		8	0.25	0	0	0
		9	0.25	0	0	0
		10	0.25	0	0	0

IF speed very slow AND distance is very short THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed very slow AND distance is short THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0.333	0
		3	0	0.75	1	0
		4	0	0.75	0.333	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed very slow AND distance is medium THEN brake is very weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	0	0.25	1	0
		1	0	0.25	1	0
		2	0	0.25	0.666	0
		3	0	0.25	0	0
		4	0	0.25	0	0
		5	0	0.25	0	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	0	0.5	1	0
		1	0	0.5	1	0
		2	0	0.5	0.666	0
		3	0	0.5	0	0
		4	0	0.5	0	0
		5	0	0.5	0	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	0	0.5	1	0
		1	0	0.5	1	0
		2	0	0.5	0.666	0
		3	0	0.5	0	0
		4	0	0.5	0	0
		5	0	0.5	0	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	1000	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed very slow AND distance is very short THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed very slow AND distance is short THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	250	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0.333	0
		3	0	0.75	1	0
		4	0	0.75	0.333	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed very slow AND distance is medium THEN brake is very weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	250	0	0	0.25	1	0
		1	0	0.25	1	0
		2	0	0.25	0.666	0
		3	0	0.25	0	0
		4	0	0.25	0	0
		5	0	0.25	0	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	500	0	0	0.5	1	0
		1	0	0.5	1	0
		2	0	0.5	0.666	0
		3	0	0.5	0	0
		4	0	0.5	0	0
		5	0	0.5	0	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	750	0	0	0.5	1	0
		1	0	0.5	1	0
		2	0	0.5	0.666	0
		3	0	0.5	0	0
		4	0	0.5	0	0
		5	0	0.5	0	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	1000	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed very slow AND distance is very short THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed very slow AND distance is short THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0.333	0
		3	0	0.75	1	0
		4	0	0.75	0.333	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed very slow AND distance is medium THEN brake is very weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	0	0.25	1	0
		1	0	0.25	1	0
		2	0	0.25	0.666	0
		3	0	0.25	0	0
		4	0	0.25	0	0
		5	0	0.25	0	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	0	0.5	1	0
		1	0	0.5	1	0
		2	0	0.5	0.666	0
		3	0	0.5	0	0
		4	0	0.5	0	0
		5	0	0.5	0	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	0	0.5	1	0
		1	0	0.5	1	0
		2	0	0.5	0.666	0
		3	0	0.5	0	0
		4	0	0.5	0	0
		5	0	0.5	0	0
		6	0	0.5	0	0
		7	0	0.5	0	0
		8	0	0.5	0	0
		9	0	0.5	0	0
		10	0	0.5	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	1000	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

5th set of rules:

IF speed very slow AND distance is long THEN brake is very weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	1	0	1	0
		1	1	0	1	0
		2	1	0	0.666	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	1	0	1	0
		1	1	0	1	0
		2	1	0	0.666	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	1	0	1	0
		1	1	0	1	0
		2	1	0	0.666	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	1	0.25	1	0.25
		1	1	0.25	1	0.25
		2	1	0.25	0.666	0.1665
		3	1	0.25	0	0
		4	1	0.25	0	0
		5	1	0.25	0	0
		6	1	0.25	0	0
		7	1	0.25	0	0
		8	1	0.25	0	0
		9	1	0.25	0	0
		10	1	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	1	0	1	0
		1	1	0	1	0
		2	1	0	0.666	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0

IF speed very slow AND distance is very long THEN brake is very weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	1	0	1	0
		1	1	0	1	0
		2	1	0	0.666	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	1	0	1	0
		1	1	0	1	0
		2	1	0	0.666	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	1	0	1	0
		1	1	0	1	0
		2	1	0	0.666	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	1	0.75	1	0.75
		1	1	0.75	1	0.75
		2	1	0.75	0.666	0.4995
		3	1	0.75	0	0
		4	1	0.75	0	0
		5	1	0.75	0	0
		6	1	0.75	0	0
		7	1	0.75	0	0
		8	1	0.75	0	0
		9	1	0.75	0	0
		10	1	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	1	1	1	1
		1	1	1	1	1
		2	1	1	0.666	0.666
		3	1	1	0	0
		4	1	1	0	0
		5	1	1	0	0
		6	1	1	0	0
		7	1	1	0	0
		8	1	1	0	0
		9	1	1	0	0
		10	1	1	0	0

IF speed very fast AND distance is very short THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0	0
		3	0	1	0	0
		4	0	1	0	0
		5	0	1	0	0
		6	0	1	0	0
		7	0	1	0.667	0
		8	0	1	1	0
		9	0	1	1	0
		10	0	1	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0

IF speed very slow AND distance is long THEN brake is very weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0.25	0	1	0
		1	0.25	0	1	0
		2	0.25	0	0.666	0
		3	0.25	0	0	0
		4	0.25	0	0	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0	0
		8	0.25	0	0	0
		9	0.25	0	0	0
		10	0.25	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0.25	0	1	0
		1	0.25	0	1	0
		2	0.25	0	0.666	0
		3	0.25	0	0	0
		4	0.25	0	0	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0	0
		8	0.25	0	0	0
		9	0.25	0	0	0
		10	0.25	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0.25	0	1	0
		1	0.25	0	1	0
		2	0.25	0	0.666	0
		3	0.25	0	0	0
		4	0.25	0	0	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0	0
		8	0.25	0	0	0
		9	0.25	0	0	0
		10	0.25	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0.25	0.25	1	0.25
		1	0.25	0.25	1	0.25
		2	0.25	0.25	0.666	0.1665
		3	0.25	0.25	0	0
		4	0.25	0.25	0	0
		5	0.25	0.25	0	0
		6	0.25	0.25	0	0
		7	0.25	0.25	0	0
		8	0.25	0.25	0	0
		9	0.25	0.25	0	0
		10	0.25	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	1000	0	0.25	0	1	0
		1	0.25	0	1	0
		2	0.25	0	0.666	0
		3	0.25	0	0	0
		4	0.25	0	0	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0	0
		8	0.25	0	0	0
		9	0.25	0	0	0
		10	0.25	0	0	0

IF speed very slow AND distance is very long THEN brake is very weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0.25	0	1	0
		1	0.25	0	1	0
		2	0.25	0	0.666	0
		3	0.25	0	0	0
		4	0.25	0	0	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0	0
		8	0.25	0	0	0
		9	0.25	0	0	0
		10	0.25	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0.25	0	1	0
		1	0.25	0	1	0
		2	0.25	0	0.666	0
		3	0.25	0	0	0
		4	0.25	0	0	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0	0
		8	0.25	0	0	0
		9	0.25	0	0	0
		10	0.25	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0.25	0	1	0
		1	0.25	0	1	0
		2	0.25	0	0.666	0
		3	0.25	0	0	0
		4	0.25	0	0	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0	0
		8	0.25	0	0	0
		9	0.25	0	0	0
		10	0.25	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0.25	0.75	1	0.25
		1	0.25	0.75	1	0.25
		2	0.25	0.75	0.666	0.1665
		3	0.25	0.75	0	0
		4	0.25	0.75	0	0
		5	0.25	0.75	0	0
		6	0.25	0.75	0	0
		7	0.25	0.75	0	0
		8	0.25	0.75	0	0
		9	0.25	0.75	0	0
		10	0.25	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	1000	0	0.25	1	1	0.25
		1	0.25	1	1	0.25
		2	0.25	1	0.666	0.1665
		3	0.25	1	0	0
		4	0.25	1	0	0
		5	0.25	1	0	0
		6	0.25	1	0	0
		7	0.25	1	0	0
		8	0.25	1	0	0
		9	0.25	1	0	0
		10	0.25	1	0	0

IF speed very fast AND distance is very short THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0	0
		3	0	1	0	0
		4	0	1	0	0
		5	0	1	0	0
		6	0	1	0	0
		7	0	1	0.667	0
		8	0	1	1	0
		9	0	1	1	0
		10	0	1	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0

IF speed very slow AND distance is long THEN brake is very weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	0	0.25	1	0
		1	0	0.25	1	0
		2	0	0.25	0.666	0
		3	0	0.25	0	0
		4	0	0.25	0	0
		5	0	0.25	0	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	1000	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed very slow AND distance is very long THEN brake is very weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	0	0.75	1	0
		1	0	0.75	1	0
		2	0	0.75	0.666	0
		3	0	0.75	0	0
		4	0	0.75	0	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	1000	0	0	1	1	0
		1	0	1	1	0
		2	0	1	0.666	0
		3	0	1	0	0
		4	0	1	0	0
		5	0	1	0	0
		6	0	1	0	0
		7	0	1	0	0
		8	0	1	0	0
		9	0	1	0	0
		10	0	1	0	0

IF speed very fast AND distance is very short THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0	0
		3	0	1	0	0
		4	0	1	0	0
		5	0	1	0	0
		6	0	1	0	0
		7	0	1	0.667	0
		8	0	1	1	0
		9	0	1	1	0
		10	0	1	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0

IF speed very slow AND distance is long THEN brake is very weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	250	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	500	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	750	0	0	0.25	1	0
		1	0	0.25	1	0
		2	0	0.25	0.666	0
		3	0	0.25	0	0
		4	0	0.25	0	0
		5	0	0.25	0	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	1000	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed very slow AND distance is very long THEN brake is very weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	250	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	500	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	750	0	0	0.75	1	0
		1	0	0.75	1	0
		2	0	0.75	0.666	0
		3	0	0.75	0	0
		4	0	0.75	0	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	1000	0	0	1	1	0
		1	0	1	1	0
		2	0	1	0.666	0
		3	0	1	0	0
		4	0	1	0	0
		5	0	1	0	0
		6	0	1	0	0
		7	0	1	0	0
		8	0	1	0	0
		9	0	1	0	0
		10	0	1	0	0

IF speed very fast AND distance is very short THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0.25	1	0	0
		1	0.25	1	0	0
		2	0.25	1	0	0
		3	0.25	1	0	0
		4	0.25	1	0	0
		5	0.25	1	0	0
		6	0.25	1	0	0
		7	0.25	1	0.667	0.16675
		8	0.25	1	1	0.25
		9	0.25	1	1	0.25
		10	0.25	1	1	0.25
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	250	0	0.25	0	0	0
		1	0.25	0	0	0
		2	0.25	0	0	0
		3	0.25	0	0	0
		4	0.25	0	0	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0.667	0
		8	0.25	0	1	0
		9	0.25	0	1	0
		10	0.25	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	500	0	0.25	0	0	0
		1	0.25	0	0	0
		2	0.25	0	0	0
		3	0.25	0	0	0
		4	0.25	0	0	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0.667	0
		8	0.25	0	1	0
		9	0.25	0	1	0
		10	0.25	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	750	0	0.25	0	0	0
		1	0.25	0	0	0
		2	0.25	0	0	0
		3	0.25	0	0	0
		4	0.25	0	0	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0.667	0
		8	0.25	0	1	0
		9	0.25	0	1	0
		10	0.25	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	1000	0	0.25	0	0	0
		1	0.25	0	0	0
		2	0.25	0	0	0
		3	0.25	0	0	0
		4	0.25	0	0	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0.667	0
		8	0.25	0	1	0
		9	0.25	0	1	0
		10	0.25	0	1	0

IF speed very slow AND distance is long THEN brake is very weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	0	0.25	1	0
		1	0	0.25	1	0
		2	0	0.25	0.666	0
		3	0	0.25	0	0
		4	0	0.25	0	0
		5	0	0.25	0	0
		6	0	0.25	0	0
		7	0	0.25	0	0
		8	0	0.25	0	0
		9	0	0.25	0	0
		10	0	0.25	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	1000	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed very slow AND distance is very long THEN brake is very weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	0	0	1	0
		1	0	0	1	0
		2	0	0	0.666	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	0	0.75	1	0
		1	0	0.75	1	0
		2	0	0.75	0.666	0
		3	0	0.75	0	0
		4	0	0.75	0	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	1000	0	0	1	1	0
		1	0	1	1	0
		2	0	1	0.666	0
		3	0	1	0	0
		4	0	1	0	0
		5	0	1	0	0
		6	0	1	0	0
		7	0	1	0	0
		8	0	1	0	0
		9	0	1	0	0
		10	0	1	0	0

IF speed very fast AND distance is very short THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	1	1	0	0
		1	1	1	0	0
		2	1	1	0	0
		3	1	1	0	0
		4	1	1	0	0
		5	1	1	0	0
		6	1	1	0	0
		7	1	1	0.667	0.667
		8	1	1	1	1
		9	1	1	1	1
		10	1	1	1	1
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0.667	0
		8	1	0	1	0
		9	1	0	1	0
		10	1	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0.667	0
		8	1	0	1	0
		9	1	0	1	0
		10	1	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0.667	0
		8	1	0	1	0
		9	1	0	1	0
		10	1	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	1000	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0.667	0
		8	1	0	1	0
		9	1	0	1	0
		10	1	0	1	0

6th set of rules:

IF speed very fast AND distance is short THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0	0
		3	0	0.75	0	0
		4	0	0.75	0	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0.667	0
		8	0	0.75	1	0
		9	0	0.75	1	0
		10	0	0.75	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0

IF speed very fast AND distance is medium THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0	0
		3	0	0.25	0	0
		4	0	0.25	0	0
		5	0	0.25	0	0
		6	0	0.25	0	0
		7	0	0.25	0.667	0
		8	0	0.25	1	0
		9	0	0.25	1	0
		10	0	0.25	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0	0
		5	0	0.5	0	0
		6	0	0.5	0	0
		7	0	0.5	0.667	0
		8	0	0.5	1	0
		9	0	0.5	1	0
		10	0	0.5	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0	0
		5	0	0.5	0	0
		6	0	0.5	0	0
		7	0	0.5	0.667	0
		8	0	0.5	1	0
		9	0	0.5	1	0
		10	0	0.5	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0

IF speed very fast AND distance is long THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0	0
		5	0	0.5	0	0
		6	0	0.5	0	0
		7	0	0.5	0.667	0
		8	0	0.5	1	0
		9	0	0.5	1	0
		10	0	0.5	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0	0
		3	0	0.25	0	0
		4	0	0.25	0	0
		5	0	0.25	0	0
		6	0	0.25	0	0
		7	0	0.25	0.667	0
		8	0	0.25	1	0
		9	0	0.25	1	0
		10	0	0.25	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0

IF speed very fast AND distance is short THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0	0
		3	0	0.75	0	0
		4	0	0.75	0	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0.667	0
		8	0	0.75	1	0
		9	0	0.75	1	0
		10	0	0.75	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0

IF speed very fast AND distance is medium THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0	0
		3	0	0.25	0	0
		4	0	0.25	0	0
		5	0	0.25	0	0
		6	0	0.25	0	0
		7	0	0.25	0.667	0
		8	0	0.25	1	0
		9	0	0.25	1	0
		10	0	0.25	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0	0
		5	0	0.5	0	0
		6	0	0.5	0	0
		7	0	0.5	0.667	0
		8	0	0.5	1	0
		9	0	0.5	1	0
		10	0	0.5	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0	0
		5	0	0.5	0	0
		6	0	0.5	0	0
		7	0	0.5	0.667	0
		8	0	0.5	1	0
		9	0	0.5	1	0
		10	0	0.5	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0

IF speed very fast AND distance is long THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0	0
		5	0	0.5	0	0
		6	0	0.5	0	0
		7	0	0.5	0.667	0
		8	0	0.5	1	0
		9	0	0.5	1	0
		10	0	0.5	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0	0
		3	0	0.25	0	0
		4	0	0.25	0	0
		5	0	0.25	0	0
		6	0	0.25	0	0
		7	0	0.25	0.667	0
		8	0	0.25	1	0
		9	0	0.25	1	0
		10	0	0.25	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0

IF speed very fast AND distance is short THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0	0
		3	0	0.75	0	0
		4	0	0.75	0	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0.667	0
		8	0	0.75	1	0
		9	0	0.75	1	0
		10	0	0.75	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0

IF speed very fast AND distance is medium THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0	0
		3	0	0.25	0	0
		4	0	0.25	0	0
		5	0	0.25	0	0
		6	0	0.25	0	0
		7	0	0.25	0.667	0
		8	0	0.25	1	0
		9	0	0.25	1	0
		10	0	0.25	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0	0
		5	0	0.5	0	0
		6	0	0.5	0	0
		7	0	0.5	0.667	0
		8	0	0.5	1	0
		9	0	0.5	1	0
		10	0	0.5	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0	0
		5	0	0.5	0	0
		6	0	0.5	0	0
		7	0	0.5	0.667	0
		8	0	0.5	1	0
		9	0	0.5	1	0
		10	0	0.5	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0

IF speed very fast AND distance is long THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	0	0.5	0	0
		1	0	0.5	0	0
		2	0	0.5	0	0
		3	0	0.5	0	0
		4	0	0.5	0	0
		5	0	0.5	0	0
		6	0	0.5	0	0
		7	0	0.5	0.667	0
		8	0	0.5	1	0
		9	0	0.5	1	0
		10	0	0.5	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	0	0.25	0	0
		1	0	0.25	0	0
		2	0	0.25	0	0
		3	0	0.25	0	0
		4	0	0.25	0	0
		5	0	0.25	0	0
		6	0	0.25	0	0
		7	0	0.25	0.667	0
		8	0	0.25	1	0
		9	0	0.25	1	0
		10	0	0.25	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0

IF speed very fast AND distance is short THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0.667	0
		8	1	0	1	0
		9	1	0	1	0
		10	1	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	1	0.75	0	0
		1	1	0.75	0	0
		2	1	0.75	0	0
		3	1	0.75	0	0
		4	1	0.75	0	0
		5	1	0.75	0	0
		6	1	0.75	0	0
		7	1	0.75	0.667	0.50025
		8	1	0.75	1	0.75
		9	1	0.75	1	0.75
		10	1	0.75	1	0.75
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0.667	0
		8	1	0	1	0
		9	1	0	1	0
		10	1	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0.667	0
		8	1	0	1	0
		9	1	0	1	0
		10	1	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	1000	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0.667	0
		8	1	0	1	0
		9	1	0	1	0
		10	1	0	1	0

IF speed very fast AND distance is medium THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0.667	0
		8	1	0	1	0
		9	1	0	1	0
		10	1	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	1	0.25	0	0
		1	1	0.25	0	0
		2	1	0.25	0	0
		3	1	0.25	0	0
		4	1	0.25	0	0
		5	1	0.25	0	0
		6	1	0.25	0	0
		7	1	0.25	0.667	0.16675
		8	1	0.25	1	0.25
		9	1	0.25	1	0.25
		10	1	0.25	1	0.25
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	1	0.5	0	0
		1	1	0.5	0	0
		2	1	0.5	0	0
		3	1	0.5	0	0
		4	1	0.5	0	0
		5	1	0.5	0	0
		6	1	0.5	0	0
		7	1	0.5	0.667	0.3335
		8	1	0.5	1	0.5
		9	1	0.5	1	0.5
		10	1	0.5	1	0.5
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	1	0.5	0	0
		1	1	0.5	0	0
		2	1	0.5	0	0
		3	1	0.5	0	0
		4	1	0.5	0	0
		5	1	0.5	0	0
		6	1	0.5	0	0
		7	1	0.5	0.667	0.3335
		8	1	0.5	1	0.5
		9	1	0.5	1	0.5
		10	1	0.5	1	0.5
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	1000	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0.667	0
		8	1	0	1	0
		9	1	0	1	0
		10	1	0	1	0

IF speed very fast AND distance is long THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0.667	0
		8	1	0	1	0
		9	1	0	1	0
		10	1	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0.667	0
		8	1	0	1	0
		9	1	0	1	0
		10	1	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	1	0.5	0	0
		1	1	0.5	0	0
		2	1	0.5	0	0
		3	1	0.5	0	0
		4	1	0.5	0	0
		5	1	0.5	0	0
		6	1	0.5	0	0
		7	1	0.5	0.667	0.3335
		8	1	0.5	1	0.5
		9	1	0.5	1	0.5
		10	1	0.5	1	0.5
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	1	0.25	0	0
		1	1	0.25	0	0
		2	1	0.25	0	0
		3	1	0.25	0	0
		4	1	0.25	0	0
		5	1	0.25	0	0
		6	1	0.25	0	0
		7	1	0.25	0.667	0.16675
		8	1	0.25	1	0.25
		9	1	0.25	1	0.25
		10	1	0.25	1	0.25
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	1000	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0.667	0
		8	1	0	1	0
		9	1	0	1	0
		10	1	0	1	0

7th set of rules:

IF speed very fast AND distance is very long THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0	0
		3	0	0.75	0	0
		4	0	0.75	0	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0.667	0
		8	0	0.75	1	0
		9	0	0.75	1	0
		10	0	0.75	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0	0
		3	0	1	0	0
		4	0	1	0	0
		5	0	1	0	0
		6	0	1	0	0
		7	0	1	0.667	0
		8	0	1	1	0
		9	0	1	1	0
		10	0	1	1	0

IF speed slow AND distance is very short THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0.333	0
		3	0	1	1	0
		4	0	1	0.333	0
		5	0	1	0	0
		6	0	1	0	0
		7	0	1	0	0
		8	0	1	0	0
		9	0	1	0	0
		10	0	1	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed slow AND distance is very long THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0.333	0
		3	0	0.75	1	0
		4	0	0.75	0.333	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0.333	0
		3	0	1	1	0
		4	0	1	0.333	0
		5	0	1	0	0
		6	0	1	0	0
		7	0	1	0	0
		8	0	1	0	0
		9	0	1	0	0
		10	0	1	0	0

IF speed very fast AND distance is very long THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0	0
		3	0	0.75	0	0
		4	0	0.75	0	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0.667	0
		8	0	0.75	1	0
		9	0	0.75	1	0
		10	0	0.75	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	1000	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0	0
		3	0	1	0	0
		4	0	1	0	0
		5	0	1	0	0
		6	0	1	0	0
		7	0	1	0.667	0
		8	0	1	1	0
		9	0	1	1	0
		10	0	1	1	0

IF speed slow AND distance is very short THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0.75	1	0	0
		1	0.75	1	0	0
		2	0.75	1	0.333	0.24975
		3	0.75	1	1	0.75
		4	0.75	1	0.333	0.24975
		5	0.75	1	0	0
		6	0.75	1	0	0
		7	0.75	1	0	0
		8	0.75	1	0	0
		9	0.75	1	0	0
		10	0.75	1	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0.333	0
		3	0.75	0	1	0
		4	0.75	0	0.333	0
		5	0.75	0	0	0
		6	0.75	0	0	0
		7	0.75	0	0	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0.333	0
		3	0.75	0	1	0
		4	0.75	0	0.333	0
		5	0.75	0	0	0
		6	0.75	0	0	0
		7	0.75	0	0	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0.333	0
		3	0.75	0	1	0
		4	0.75	0	0.333	0
		5	0.75	0	0	0
		6	0.75	0	0	0
		7	0.75	0	0	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	1000	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0.333	0
		3	0.75	0	1	0
		4	0.75	0	0.333	0
		5	0.75	0	0	0
		6	0.75	0	0	0
		7	0.75	0	0	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0

IF speed slow AND distance is very long THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0.333	0
		3	0.75	0	1	0
		4	0.75	0	0.333	0
		5	0.75	0	0	0
		6	0.75	0	0	0
		7	0.75	0	0	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0.333	0
		3	0.75	0	1	0
		4	0.75	0	0.333	0
		5	0.75	0	0	0
		6	0.75	0	0	0
		7	0.75	0	0	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0.333	0
		3	0.75	0	1	0
		4	0.75	0	0.333	0
		5	0.75	0	0	0
		6	0.75	0	0	0
		7	0.75	0	0	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0.75	0.75	0	0
		1	0.75	0.75	0	0
		2	0.75	0.75	0.333	0.24975
		3	0.75	0.75	1	0.75
		4	0.75	0.75	0.333	0.24975
		5	0.75	0.75	0	0
		6	0.75	0.75	0	0
		7	0.75	0.75	0	0
		8	0.75	0.75	0	0
		9	0.75	0.75	0	0
		10	0.75	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	1000	0	0.75	1	0	0
		1	0.75	1	0	0
		2	0.75	1	0.333	0.24975
		3	0.75	1	1	0.75
		4	0.75	1	0.333	0.24975
		5	0.75	1	0	0
		6	0.75	1	0	0
		7	0.75	1	0	0
		8	0.75	1	0	0
		9	0.75	1	0	0
		10	0.75	1	0	0

IF speed very fast AND distance is very long THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0	0
		3	0	0.75	0	0
		4	0	0.75	0	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0.667	0
		8	0	0.75	1	0
		9	0	0.75	1	0
		10	0	0.75	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	1000	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0	0
		3	0	1	0	0
		4	0	1	0	0
		5	0	1	0	0
		6	0	1	0	0
		7	0	1	0.667	0
		8	0	1	1	0
		9	0	1	1	0
		10	0	1	1	0

IF speed slow AND distance is very short THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0.333	0
		3	0	1	1	0
		4	0	1	0.333	0
		5	0	1	0	0
		6	0	1	0	0
		7	0	1	0	0
		8	0	1	0	0
		9	0	1	0	0
		10	0	1	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed slow AND distance is very long THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0.333	0
		3	0	0.75	1	0
		4	0	0.75	0.333	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	1000	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0.333	0
		3	0	1	1	0
		4	0	1	0.333	0
		5	0	1	0	0
		6	0	1	0	0
		7	0	1	0	0
		8	0	1	0	0
		9	0	1	0	0
		10	0	1	0	0

IF speed very fast AND distance is very long THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0.25	0	0	0
		1	0.25	0	0	0
		2	0.25	0	0	0
		3	0.25	0	0	0
		4	0.25	0	0	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0.667	0
		8	0.25	0	1	0
		9	0.25	0	1	0
		10	0.25	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	250	0	0.25	0	0	0
		1	0.25	0	0	0
		2	0.25	0	0	0
		3	0.25	0	0	0
		4	0.25	0	0	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0.667	0
		8	0.25	0	1	0
		9	0.25	0	1	0
		10	0.25	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	500	0	0.25	0	0	0
		1	0.25	0	0	0
		2	0.25	0	0	0
		3	0.25	0	0	0
		4	0.25	0	0	0
		5	0.25	0	0	0
		6	0.25	0	0	0
		7	0.25	0	0.667	0
		8	0.25	0	1	0
		9	0.25	0	1	0
		10	0.25	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	750	0	0.25	0.75	0	0
		1	0.25	0.75	0	0
		2	0.25	0.75	0	0
		3	0.25	0.75	0	0
		4	0.25	0.75	0	0
		5	0.25	0.75	0	0
		6	0.25	0.75	0	0
		7	0.25	0.75	0.667	0.16675
		8	0.25	0.75	1	0.25
		9	0.25	0.75	1	0.25
		10	0.25	0.75	1	0.25
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	1000	0	0.25	1	0	0
		1	0.25	1	0	0
		2	0.25	1	0	0
		3	0.25	1	0	0
		4	0.25	1	0	0
		5	0.25	1	0	0
		6	0.25	1	0	0
		7	0.25	1	0.667	0.16675
		8	0.25	1	1	0.25
		9	0.25	1	1	0.25
		10	0.25	1	1	0.25

IF speed slow AND distance is very short THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0.333	0
		3	0	1	1	0
		4	0	1	0.333	0
		5	0	1	0	0
		6	0	1	0	0
		7	0	1	0	0
		8	0	1	0	0
		9	0	1	0	0
		10	0	1	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed slow AND distance is very long THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	750	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0.333	0
		3	0	0.75	1	0
		4	0	0.75	0.333	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	1000	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0.333	0
		3	0	1	1	0
		4	0	1	0.333	0
		5	0	1	0	0
		6	0	1	0	0
		7	0	1	0	0
		8	0	1	0	0
		9	0	1	0	0
		10	0	1	0	0

IF speed very fast AND distance is very long THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0.667	0
		8	1	0	1	0
		9	1	0	1	0
		10	1	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0.667	0
		8	1	0	1	0
		9	1	0	1	0
		10	1	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0	0
		6	1	0	0	0
		7	1	0	0.667	0
		8	1	0	1	0
		9	1	0	1	0
		10	1	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	1	0.75	0	0
		1	1	0.75	0	0
		2	1	0.75	0	0
		3	1	0.75	0	0
		4	1	0.75	0	0
		5	1	0.75	0	0
		6	1	0.75	0	0
		7	1	0.75	0.667	0.50025
		8	1	0.75	1	0.75
		9	1	0.75	1	0.75
		10	1	0.75	1	0.75
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	1000	0	1	1	0	0
		1	1	1	0	0
		2	1	1	0	0
		3	1	1	0	0
		4	1	1	0	0
		5	1	1	0	0
		6	1	1	0	0
		7	1	1	0.667	0.667
		8	1	1	1	1
		9	1	1	1	1
		10	1	1	1	1

IF speed slow AND distance is very short THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0.333	0
		3	0	1	1	0
		4	0	1	0.333	0
		5	0	1	0	0
		6	0	1	0	0
		7	0	1	0	0
		8	0	1	0	0
		9	0	1	0	0
		10	0	1	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed slow AND distance is very long THEN brake is weak						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0.333	0
		3	0	0	1	0
		4	0	0	0.333	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0.333	0
		3	0	0.75	1	0
		4	0	0.75	0.333	0
		5	0	0.75	0	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	1000	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0.333	0
		3	0	1	1	0
		4	0	1	0.333	0
		5	0	1	0	0
		6	0	1	0	0
		7	0	1	0	0
		8	0	1	0	0
		9	0	1	0	0
		10	0	1	0	0

8th set of rules:

IF speed medium AND distance is very short THEN brake is strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0	0
		3	0	1	0	0
		4	0	1	0	0
		5	0	1	0.333	0
		6	0	1	1	0
		7	0	1	0.333	0
		8	0	1	0	0
		9	0	1	0	0
		10	0	1	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed medium AND distance is very long THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0	0
		3	0	0.75	0	0
		4	0	0.75	0.667	0
		5	0	0.75	0.667	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0	0
		3	0	1	0	0
		4	0	1	0.667	0
		5	0	1	0.667	0
		6	0	1	0	0
		7	0	1	0	0
		8	0	1	0	0
		9	0	1	0	0
		10	0	1	0	0

IF speed fast AND distance is very short THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0	0
		3	0	1	0	0
		4	0	1	0	0
		5	0	1	0	0
		6	0	1	0	0
		7	0	1	0.667	0
		8	0	1	1	0
		9	0	1	1	0
		10	0	1	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0

IF speed medium AND distance is very short THEN brake is strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0	0
		3	0	1	0	0
		4	0	1	0	0
		5	0	1	0.333	0
		6	0	1	1	0
		7	0	1	0.333	0
		8	0	1	0	0
		9	0	1	0	0
		10	0	1	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed medium AND distance is very long THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0	0
		3	0	0.75	0	0
		4	0	0.75	0.667	0
		5	0	0.75	0.667	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	1000	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0	0
		3	0	1	0	0
		4	0	1	0.667	0
		5	0	1	0.667	0
		6	0	1	0	0
		7	0	1	0	0
		8	0	1	0	0
		9	0	1	0	0
		10	0	1	0	0

IF speed fast AND distance is very short THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0	0
		3	0	1	0	0
		4	0	1	0	0
		5	0	1	0	0
		6	0	1	0	0
		7	0	1	0.667	0
		8	0	1	1	0
		9	0	1	1	0
		10	0	1	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0

IF speed medium AND distance is very short THEN brake is strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	1	1	0	0
		1	1	1	0	0
		2	1	1	0	0
		3	1	1	0	0
		4	1	1	0	0
		5	1	1	0.333	0.333
		6	1	1	1	1
		7	1	1	0.333	0.333
		8	1	1	0	0
		9	1	1	0	0
		10	1	1	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0.333	0
		6	1	0	1	0
		7	1	0	0.333	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0.333	0
		6	1	0	1	0
		7	1	0	0.333	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0.333	0
		6	1	0	1	0
		7	1	0	0.333	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	1000	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0	0
		5	1	0	0.333	0
		6	1	0	1	0
		7	1	0	0.333	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0

IF speed medium AND distance is very long THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0.667	0
		5	1	0	0.667	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0.667	0
		5	1	0	0.667	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	1	0	0	0
		1	1	0	0	0
		2	1	0	0	0
		3	1	0	0	0
		4	1	0	0.667	0
		5	1	0	0.667	0
		6	1	0	0	0
		7	1	0	0	0
		8	1	0	0	0
		9	1	0	0	0
		10	1	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	1	0.75	0	0
		1	1	0.75	0	0
		2	1	0.75	0	0
		3	1	0.75	0	0
		4	1	0.75	0.667	0.50025
		5	1	0.75	0.667	0.50025
		6	1	0.75	0	0
		7	1	0.75	0	0
		8	1	0.75	0	0
		9	1	0.75	0	0
		10	1	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	1000	0	1	1	0	0
		1	1	1	0	0
		2	1	1	0	0
		3	1	1	0	0
		4	1	1	0.667	0.667
		5	1	1	0.667	0.667
		6	1	1	0	0
		7	1	1	0	0
		8	1	1	0	0
		9	1	1	0	0
		10	1	1	0	0

IF speed fast AND distance is very short THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0	0
		3	0	1	0	0
		4	0	1	0	0
		5	0	1	0	0
		6	0	1	0	0
		7	0	1	0.667	0
		8	0	1	1	0
		9	0	1	1	0
		10	0	1	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0

IF speed medium AND distance is very short THEN brake is strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0	0
		3	0	1	0	0
		4	0	1	0	0
		5	0	1	0.333	0
		6	0	1	1	0
		7	0	1	0.333	0
		8	0	1	0	0
		9	0	1	0	0
		10	0	1	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed medium AND distance is very long THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	750	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0	0
		3	0	0.75	0	0
		4	0	0.75	0.667	0
		5	0	0.75	0.667	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	1000	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0	0
		3	0	1	0	0
		4	0	1	0.667	0
		5	0	1	0.667	0
		6	0	1	0	0
		7	0	1	0	0
		8	0	1	0	0
		9	0	1	0	0
		10	0	1	0	0

IF speed fast AND distance is very short THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0.75	1	0	0
		1	0.75	1	0	0
		2	0.75	1	0	0
		3	0.75	1	0	0
		4	0.75	1	0	0
		5	0.75	1	0	0
		6	0.75	1	0	0
		7	0.75	1	0.667	0.50025
		8	0.75	1	1	0.75
		9	0.75	1	1	0.75
		10	0.75	1	1	0.75
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	250	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0	0
		3	0.75	0	0	0
		4	0.75	0	0	0
		5	0.75	0	0	0
		6	0.75	0	0	0
		7	0.75	0	0.667	0
		8	0.75	0	1	0
		9	0.75	0	1	0
		10	0.75	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	500	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0	0
		3	0.75	0	0	0
		4	0.75	0	0	0
		5	0.75	0	0	0
		6	0.75	0	0	0
		7	0.75	0	0.667	0
		8	0.75	0	1	0
		9	0.75	0	1	0
		10	0.75	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	750	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0	0
		3	0.75	0	0	0
		4	0.75	0	0	0
		5	0.75	0	0	0
		6	0.75	0	0	0
		7	0.75	0	0.667	0
		8	0.75	0	1	0
		9	0.75	0	1	0
		10	0.75	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	1000	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0	0
		3	0.75	0	0	0
		4	0.75	0	0	0
		5	0.75	0	0	0
		6	0.75	0	0	0
		7	0.75	0	0.667	0
		8	0.75	0	1	0
		9	0.75	0	1	0
		10	0.75	0	1	0

IF speed medium AND distance is very short THEN brake is strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0	0
		3	0	1	0	0
		4	0	1	0	0
		5	0	1	0.333	0
		6	0	1	1	0
		7	0	1	0.333	0
		8	0	1	0	0
		9	0	1	0	0
		10	0	1	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0.333	0
		6	0	0	1	0
		7	0	0	0.333	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0

IF speed medium AND distance is very long THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0	0
		3	0	0.75	0	0
		4	0	0.75	0.667	0
		5	0	0.75	0.667	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	1000	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0	0
		3	0	1	0	0
		4	0	1	0.667	0
		5	0	1	0.667	0
		6	0	1	0	0
		7	0	1	0	0
		8	0	1	0	0
		9	0	1	0	0
		10	0	1	0	0

IF speed fast AND distance is very short THEN brake is very strong						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0	0
		3	0	1	0	0
		4	0	1	0	0
		5	0	1	0	0
		6	0	1	0	0
		7	0	1	0.667	0
		8	0	1	1	0
		9	0	1	1	0
		10	0	1	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	1000	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0	0
		5	0	0	0	0
		6	0	0	0	0
		7	0	0	0.667	0
		8	0	0	1	0
		9	0	0	1	0
		10	0	0	1	0

25th rule and result

IF speed fast AND distance is very long THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	750	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0	0
		3	0	0.75	0	0
		4	0	0.75	0.667	0
		5	0	0.75	0.667	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0	0
		3	0	1	0	0
		4	0	1	0.667	0
		5	0	1	0.667	0
		6	0	1	0	0
		7	0	1	0	0
		8	0	1	0	0
		9	0	1	0	0
		10	0	1	0	0

Max of rules
0
0
0
0
0
0
0
0
0
0
0
Max of rules
0.25
0.25
0.24975
0.75
0.24975
0
0
0
0
0
0
Max of rules
0.5
0.5
0.333
0
0
0
0
0
0
0
0
Max of rules
0.75
0.75
0.4995
0
0
0
0
0
0
0
0
Max of rules
1
1
0.666
0
0
0
0
0
0
0
0

Balance
0
Balance
2.2855101
Balance
0.8747187
Balance
0.8747187
Balance
0.8747187

IF speed fast AND distance is very long THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	750	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0	0
		3	0	0.75	0	0
		4	0	0.75	0.667	0
		5	0	0.75	0.667	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
5	1000	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0	0
		3	0	1	0	0
		4	0	1	0.667	0
		5	0	1	0.667	0
		6	0	1	0	0
		7	0	1	0	0
		8	0	1	0	0
		9	0	1	0	0
		10	0	1	0	0

Max of rules
0
0
0.24975
0.75
0.24975
0
0
0
0
0
0
0
Max of rules
0.25
0.25
0.24975
0.75
0.24975
0.16675
0
0
0
0
0
Max of rules
0.25
0.25
0.1665
0.5
0.3335
0.3335
0
0
0
0
0
Max of rules
0.25
0.25
0.24975
0.75
0.3335
0.3335
0
0
0
0
0
Max of rules
0.25
0.25
0.24975
0.75
0.3335
0.3335
0
0
0
0
0

Balance
3
Balance
2.5217221
Balance
2.7731115
Balance
2.7695858
Balance
2.2855101

IF speed fast AND distance is very long THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	750	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0	0
		3	0	0.75	0	0
		4	0	0.75	0.667	0
		5	0	0.75	0.667	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
10	1000	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0	0
		3	0	1	0	0
		4	0	1	0.667	0
		5	0	1	0.667	0
		6	0	1	0	0
		7	0	1	0	0
		8	0	1	0	0
		9	0	1	0	0
		10	0	1	0	0

Max of rules
0
0
0
0
0
0
0.333
1
0.333
0
0
0
Max of rules
0
0
0
0
0.50025
0.50025
0
0
0
0
Max of rules
0
0
0.1665
0.5
0.3335
0.3335
0
0
0
0
Max of rules
0
0
0.08325
0.25
0.50025
0.50025
0
0
0
0
Max of rules
0
0
0
0
0.667
0.667
0
0
0
0
0

Balance
6
Balance
4.5
Balance
3.6254218
Balance
4.0627929
Balance
4.5

IF speed fast AND distance is very long THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	0	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0	0
		3	0.75	0	0	0
		4	0.75	0	0.667	0
		5	0.75	0	0.667	0
		6	0.75	0	0	0
		7	0.75	0	0	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	250	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0	0
		3	0.75	0	0	0
		4	0.75	0	0.667	0
		5	0.75	0	0.667	0
		6	0.75	0	0	0
		7	0.75	0	0	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	500	0	0.75	0	0	0
		1	0.75	0	0	0
		2	0.75	0	0	0
		3	0.75	0	0	0
		4	0.75	0	0.667	0
		5	0.75	0	0.667	0
		6	0.75	0	0	0
		7	0.75	0	0	0
		8	0.75	0	0	0
		9	0.75	0	0	0
		10	0.75	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	750	0	0.75	0.75	0	0
		1	0.75	0.75	0	0
		2	0.75	0.75	0	0
		3	0.75	0.75	0	0
		4	0.75	0.75	0.667	0.50025
		5	0.75	0.75	0.667	0.50025
		6	0.75	0.75	0	0
		7	0.75	0.75	0	0
		8	0.75	0.75	0	0
		9	0.75	0.75	0	0
		10	0.75	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
15	1000	0	0.75	1	0	0
		1	0.75	1	0	0
		2	0.75	1	0	0
		3	0.75	1	0	0
		4	0.75	1	0.667	0.50025
		5	0.75	1	0.667	0.50025
		6	0.75	1	0	0
		7	0.75	1	0	0
		8	0.75	1	0	0
		9	0.75	1	0	0
		10	0.75	1	0	0

Max of rules
0
0
0
0
0
0
0
0
0.50025
0.75
0.75
0.75
Max of rules
0
0
0
0
0
0.08325
0.25
0.50025
0.75
0.75
0.75
Max of rules
0
0
0
0
0.3335
0.3335
0.5
0.16675
0.25
0.25
0.25
Max of rules
0
0
0
0
0.16675
0.16675
0.5
0.16675
0.25
0.25
0.25
Max of rules
0
0
0
0
0
0
0
0.16675
0.25
0.25
0.25

Balance
8.6362149
Balance
8.3243068
Balance
6.6796641
Balance
7.0949864
Balance
8.6362149

IF speed fast AND distance is very long THEN brake is medium						
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	0	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	250	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	500	0	0	0	0	0
		1	0	0	0	0
		2	0	0	0	0
		3	0	0	0	0
		4	0	0	0.667	0
		5	0	0	0.667	0
		6	0	0	0	0
		7	0	0	0	0
		8	0	0	0	0
		9	0	0	0	0
		10	0	0	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
20	750	0	0	0.75	0	0
		1	0	0.75	0	0
		2	0	0.75	0	0
		3	0	0.75	0	0
		4	0	0.75	0.667	0
		5	0	0.75	0.667	0
		6	0	0.75	0	0
		7	0	0.75	0	0
		8	0	0.75	0	0
		9	0	0.75	0	0
		10	0	0.75	0	0
Speed	Distance	Brake	μ Speed	μ Distance	μ Brake	μ Rule
0	1000	0	0	1	0	0
		1	0	1	0	0
		2	0	1	0	0
		3	0	1	0	0
		4	0	1	0.667	0
		5	0	1	0.667	0
		6	0	1	0	0
		7	0	1	0	0
		8	0	1	0	0
		9	0	1	0	0
		10	0	1	0	0

Max of rules
0
0
0
0
0
0
0
0
0.667
1
1
1
Max of rules
0
0
0
0
0
0
0
0.50025
0.75
0.75
0.75
Max of rules
0
0
0
0
0
0
0
0.3335
0.5
0.5
0.5
Max of rules
0
0
0
0
0
0
0
0.50025
0.75
0.75
0.75
Max of rules
0
0
0
0
0
0
0
0.667
1
1
1

Balance
8.6362149
Balance
8.6362149
Balance
8.6362149
Balance
8.6362149
Balance
8.6362149