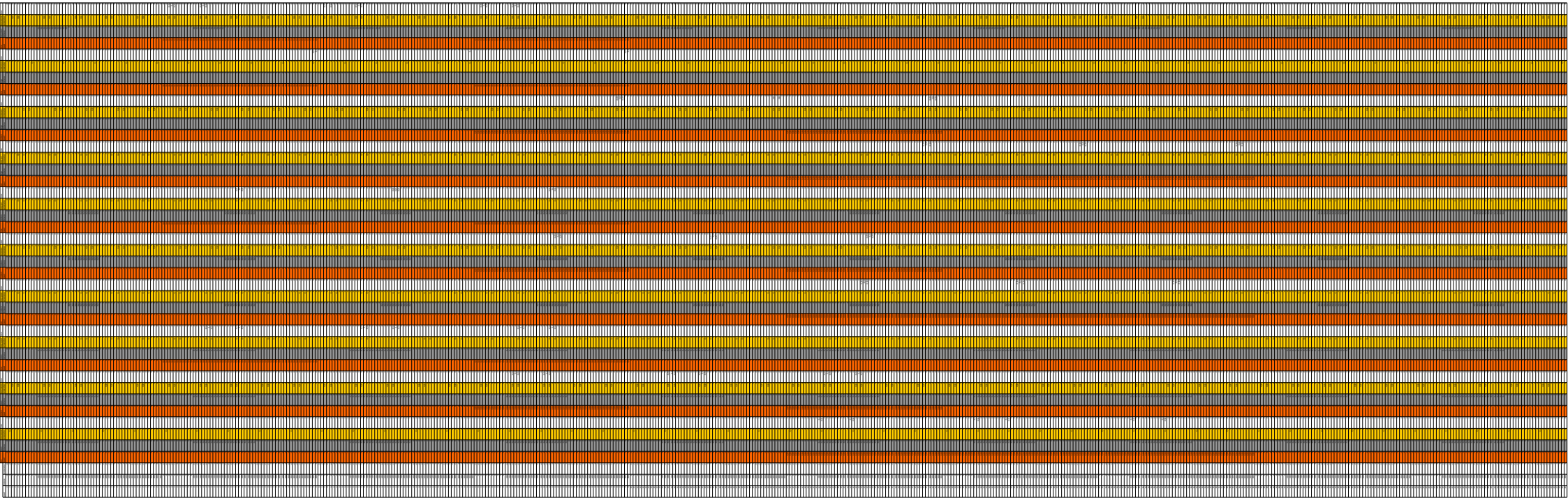
1) Rules:
1. if speed is FAST and distance is SHORT then acceleration is DEACCELERATE STRONGLY
2. if speed is MEDIUM and distance is SHORT then acceleration is DEACCELERATE
3. if speed is SLOW and distance is SHORT then acceleration is KEEP SPEED
4. if speed is FAST and distance is MEDIUM then acceleration is KEEP SPEED
5. if speed is MEDIUM and distance is MEDIUM then acceleration is ACCELERATE
6. if speed is SLOW and distance is MEDIUM then acceleration is KEEP SPEED
7. if speed is FAST and distance is LARGE then acceleration is KEEP SPEED
8. if speed is MEDIUM and distance is LARGE then acceleration is ACCELERATE
9. if speed is SLOW and distance is LARGE then acceleration is ACCELERATE STRONGLY
10. if speed is SLOW and distance is VERY SHORT then acceleration is DEACCELERATE

2)



3) Speed = 16, Distance = 200

speed	distance	acceleration	fast speed	short distance	deaccelerate acceleration	total	medium speed	short distance	deaccelerate acceleration	total	slow speed	short distance	keep speed acceleration	total	fast speed	medium distance	keep speed acceleration	total	medium speed	medium distance	accelerate acceleration	total	slow speed	medium distance	keep spd acceleration	total	fast speed	large distance	keep spd acceleration	total	medium speed	large distance	accelerate acceleration	total	slow speed	large distance	accelerate str acceleration	total	slow speed	very short distance	deaccelerate acceleration	total	ACCELERATE
16	200	-5	0,46	0,4	1	0,4	0	0,4	0	0	0	0,4	0	0	0,46	0	0	0	0	0	0	0	0	0	0	0	0,46	0	0	0	0	0	0	0	0	0	0	0	0	0,8	0	0	-4,71
16	200	-4	0,46	0,4	0,8	0,16	0	0,4	0	0	0	0,4	0	0	0,46	0	0	0	0	0	0	0	0	0	0	0	0,46	0	0	0	0	0	0	0	0	0	0	0	0	0,8	0	0	0,11
16	200	-3	0,46	0,4	0	0	0	0,4	0,01	0	0	0,4	0	0	0,46	0	0	0	0	0	0	0	0	0	0	0	0,46	0	0	0	0	0	0	0	0	0	0	0	0	0,8	0,01	0	0,00
16	200	-2	0,46	0,4	0	0	0	0,4	1	0	0	0,4	0	0	0,46	0	0	0	0	0	0	0	0	0	0	0	0,46	0	0	0	0	0	0	0	0	0	0	0	0	0,8	1	0	0,00
16	200	-1	0,46	0,4	0	0	0	0,4	0,01	0	0	0,4	0,4	0	0,46	0	0,4	0	0	0	0	0	0	0	0,4	0	0,46	0	0,4	0	0	0	0	0	0	0	0	0	0	0,8	0,81	0	0,00
16	200	0	0,46	0,4	0	0	0	0,4	0	0	0	0,4	1	0	0,46	0	1	0	0	0	0	0	0	0	1	0	0,46	0	1	0	0	0	0	0	0	0	0	0	0	0,8	1	0	0,00
16	200	1	0,46	0,4	0	0	0	0,4	0	0	0	0,4	0,4	0	0,46	0	0,4	0	0	0	0,65	0	0	0	0,4	0	0,46	0	0,4	0	0	0	0,65	0	0	0	0	0	0	0,8	0	0	0,00
16	200	2	0,46	0,4	0	0	0	0,4	0	0	0	0,4	0	0	0,46	0	0	0	0	0	1	0	0	0	0	0	0,46	0	0	0	0	0	1	0	0	0	0	0	0	0,8	0	0	0,00
16	200	3	0,46	0,4	0	0	0	0,4	0	0	0	0,4	0	0	0,46	0	0	0	0	0	0,65	0	0	0	0	0	0,46	0	0	0	0	0	0,65	0	0	0	0	0	0	0,8	0	0	0,00
16	200	4	0,46	0,4	0	0	0	0,4	0	0	0	0,4	0	0	0,46	0	0	0	0	0	0	0	0	0	0	0	0,46	0	0	0	0	0	0	0	0	0,4	0	0	0	0,8	0	0	0,00
16	200	5	0,46	0,4	0	0	0	0,4	0	0	0	0,4	0	0	0,46	0	0	0	0	0	0	0	0	0	0	0	0,46	0	0	0	0	0	0	0	0	0	0	0	0	0,8	0	0	0,00