Table G: List of Selected Scenarios for Safety Testing of ADS using D2 - \mathcal{O}_{d2}

Sr. #	Groups	Scenario Name	Identifier	Score	Priority
G8		Ego vehicle approaching cyclist riding in same direction	S ₄₈	19	1
		Ego vehicle driving alongside a cyclist	S_{49}	19	1
		Cyclist and ego vehicle driving in opposite direction	S_{50}	19	1
	Cyclist Interaction	Cyclist crossing from left side at signalized junction	S_{46}	18	2
		Cyclist crossing from right side at signalized junction	S47	18	2
		Cyclist turning left and ends up in lane of ego vehicle	S ₅₆	18	2
		Cyclist turning right and ends up in lane of ego vehicle	S ₅₇	18	2
		Cyclist at left turn at signalized junction	S ₅₁	17	3
		Cyclist driving in same direction obstructed at ego left turn	S_{52}	17	3
		Entering a roundabout with a cyclist Interaction	S_{54}	16	4
		Leaving a roundabout with a cyclist	S ₅₅	16	4
		Cyclist at right turn at signalized junction	S_{53}	14	5
		Oncoming vehicle turns right at signalized junction	S ₂₅	21	6
G5	Crossing Path	Sirens	S ₂₉	21	6
		Left Turn Clip	S_{30}	20	7
		Wrong Driveway	S_{31}	20	7
		Run Red Into Left Turner	S ₃₃	20	7
		Misjudgment, Left Turn	S_{34}	20	7
		Entering a roundabout with another vehicle	S ₂₈	19	8
		Ego vehicle turns right with oncoming vehicle at signalized junction	S_{26}	17	9
		Navigating on an empty roundabout	S_{27}	14	10
		Wave to Go		14	10
			S_{32}	21	11
	Pedestrian Interaction	Jaywalking	S_{36}	21	
G7		Pedestrian crossing at zebra crossing	S_{37}	l .	11
		Pedestrian running a red light	S_{41}	20	12
		Struck Human	S_{45}	20	12
		Pedestrian stationary at road side	S_{39}	19	13
		Pedestrian walking along the road	S_{40}	19	13
		Pedestrian at left turn at signalized junction	S_{42}	19	13
		Pedestrian in same direction obstructed at ego left turn	S_{43}	19	13
		Zebra crossing	S_{38}	18	14
		Pedestrian at right turn at signalized junction	S_{44}	16	15
G3	Opposite	Oncoming vehicle swerving into ego vehicle's lane	S_{64}	22	16
	Direction	Oncoming vehicle	S_{65}	22	16
G3	Following Lead Vehicle	Ego vehicle approaching slower lead vehicle	S_{17}	21	17
		Turning lead vehicle	S_{18}	20	18
		Inattentive, Rear	S_{19}	14	19
		Stutter Stop	S_{20}	14	19
G2	Lane Change	Cut-in in front of the ego vehicle	S_4	22	20
		Cut-out in front of the ego vehicle	S_7	22	20
		Vehicle swerving towards ego vehicle	S_8	22	20
		Vehicle backing up into the ego vehicle	S_9	22	20
		Impassable object on intended path	S_{10}	22	20
		Object road with incoming traffic	S_{12}	22	20
		Driving straight	S_{13}	22	20
		U-Turn	S_{16}	22	20
		Ego performing lane change with the vehicle behind	S_5	19	21
		Ego merging into an occupiedlane	S_6	19	21
		Passable object on intended path	S ₁₁	19	21
		Avoidance, Rear	S_{14}	19	21
		Lane Change, Rear.	S ₁₅	19	21
G10	Reversing	Back Into Object	S ₆₁	17	22
		Back into Roadway	S_{62}	17	22
G10					