

States: Front (F): Use now algorithm to go forward

Back (B): Use now algorithm to go backword

Stop(s): Stop

Conditions: FTC: Front Too Close

RTC: Rear Too Close

FFE: Front For Enough

Transitions:

FTC	RTC	FFE	F	B	5
0	0	0	F	B	F
0	0	1	F	1	F
0	1	0	F	۴ 🛕	F
0	1	1	F	۴	۴
1	0	0	B	B	B
1	1	0	S	5	٤

note: FIC and FFE can't be true at the same time

Going from backward to forward when there is a rear obstele but not enough space in front of the car could lead the car to drive in the wrong way.

