
**** Lab 1 Problem 3

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Bell = (engine running) * (driver seat belt fastened)'
Bell = (engine running) * (doors closed)'
Bell' = ((engine running) * (driver seat belt fastened)) * ((engine
running) * (doors closed))
(Driver Lock Actuator)' = (driver on seat)' * (key in car)
(Brake Actuator) = (brake pedal) * (car moving)
(Brake Actuator)' = (brake pedal)' * (car moving)
(Brake Actuator)' = (car moving)'

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* The equations that contain (') are interpreted as "not" or 0.

* Variable/Actuator Meanings:

- ER = engine running
- DSBF = driver seat belt fastened
- DC = doors closed
- DOS = driver on seat
- KIC = key in car
- BP = brake pedal
- CM = car moving
- BELL = Bell
- DLA = driver lock actuator
- BA = brake actuator

Variables							*	Actuators		
ER	DSBF	DC	DOS	KIC	BP	CM	*	BELL	DLA	BA
1	0	0	x	x	x	x	*	1	x	x
1	1	0	x	x	x	x	*	1	x	x
1	0	1	x	x	x	x	*	1	x	x
1	1	1	x	x	x	x	*	0	x	x
x	x	x	0	1	x	x	*	x	0	x
x	x	x	x	x	1	1	*	x	x	1