

Review assignment truth table

	Current State		Input		Next State		Output	
	c1	c0	T	X	n1	n0	DS1	DS0
Stopped	0	0	0	0	0	1	1	1
	0	0	0	1	0	0	1	1
	0	0	1	0	0	1	1	1
	0	0	1	1	0	0	1	1
Accelerating	0	1	0	0	0	1	0	1
	0	1	0	1	0	0	0	1
	0	1	1	0	1	0	0	1
	0	1	1	1	0	0	0	1
Decelerating	1	0	0	0	0	1	0	0
	1	0	0	1	0	0	0	0
	1	0	1	0	1	0	0	0
	1	0	1	1	0	0	0	0

Equations

$$n1 = c1'c0TX' + c1c0'TX'$$

$$n0 = c1'c0'T'X' + c1'c0'TX' + c1'c0T'X' + c1c0'T'X'$$

$$DS1 = c1'c0'T'X' + c1'c0'T'X + c1'c0'TX' + c1'c0'TX$$

$$DS0 = c1'c0'T'X' + c1'c0'T'X + c1'c0'TX' + c1'c0'TX + c1'c0T'X' + c1'c0T'X + c1'c0TX' + c1'c0TX$$