

**ECE 3020 Homework 11**  
**Due Date: Monday, November 20, 3:00 PM**

1) On-line text, Problem 10.4.3d

*Warning:* The deterministic state machine you will construct has a lot of states!

2) Reduce the following (deterministic) state machine to a minimum number of states:

Current State	Next State		Output	
	X = 0	X = 1	X = 0	X = 1
A	F	C	0	0
B	H	A	1	1
C	H	D	0	1
D	B	H	0	0
E	G	C	0	0
F	C	E	1	1
G	H	E	1	1
H	C	A	0	1