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CPSC/SEGR 5031 Data Structures & Algorithms
HW #5
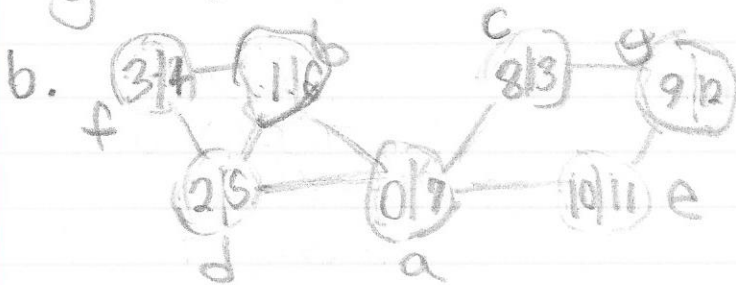2/15/16

Exercises 3.5 #1
a. adjacency matrix

	a	b	c	d	e	f	g
a	0	1	1	1	1	0	0
b	1	0	0	1	0	1	0
c	1	0	0	0	0	1	0
d	1	1	0	0	0	1	0
e	1	0	1	0	0	0	1
f	0	1	0	1	0	0	0
g	0	0	1	0	1	0	0

adjancey list

a = {b, c, d, e}
b = {a, d, f}
c = {a, e, f}
d = {a, b, f}
e = {a, c, g}
f = {b, d}
g = {c, e}

b.

Output: a, b, d, f, c, g, e
Pushed onto stack: a, b, d, f, c, g, e
Popped off of stack: f, d, b, a, e, g, c, a
Exercises 3.5 #7
4. Output: A, B, C, D, E, F, G