Dennis Kuzminer CSCI-UA 310-001 PS3a

1.

1) Find	in-q	egree	of all no	des	
	A, B,	C,5	D, E, F, C	3, +1	
			, 2 , 2,	-	
W<	alp Ilin	o Kee	op track of	the nodes wit	th in-degree of D with a quare, and we will decrease
410	intde	gree	of all a	ffected nodes.	Begin:
Que	e: A,	B	Move A	cto top sort	-> top sort = A, in-degree of C=1
Queue: B > Move B to top sort = A, B, in -degree of C=0					
1					port = A, B, C, in -degree of D, E = 0
1				top sort ->	A, B, C, D, in-degree of F=1
	E	->	E	->	AB, C, D, E, indegree of F=0
	F	>	F	۵.	A, B, C, D, E, F, in-degree of G, H=0
	G, H	>	6	7	A, B, C, D, E, F, G
	H	4	Н	->	A,B,C,D,E, =, G, H
Resul	enit	top	Sort		
((B)	0	DEE	(G)(H)	
	-	7		3	