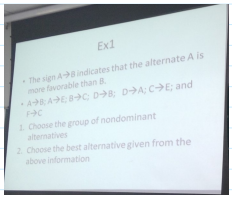
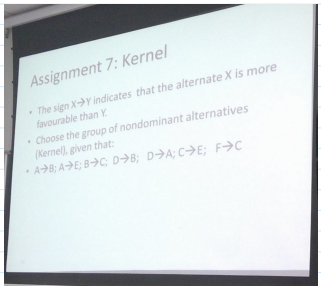
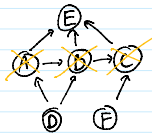
Thursday, March 4, 2021 1:00 PM

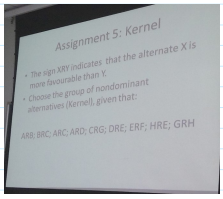




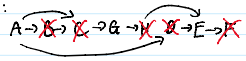
1.  ⇒ {D, E, F}

Step 1: Choose a Node with in-degree = 0
Step 2: Remove all its children
Step 3: If ∃ a Node with in-deg = 0 repeat step 1, else end

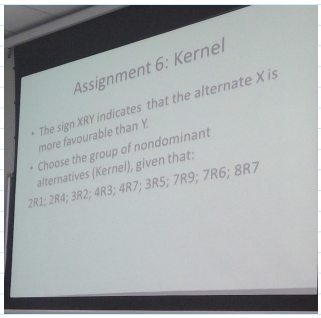
2. Cannot choose ???



A→B, B→C, A→C, A→D, C→G
D→E, E→F, H→E, G→H

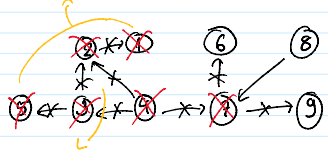
Topo: 

⇒ {A, G, E}



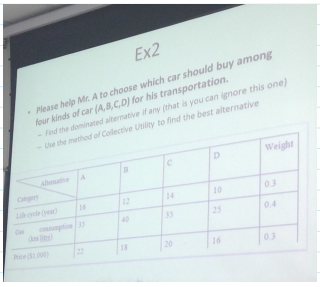
2→1, 2→4, 3→2, 4→3, 4→7
3→5, 7→9, 7→6, 8→7

product of loop → X



Loop ⇒ X

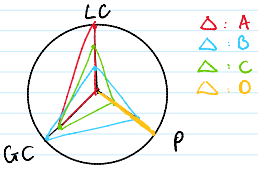
⇒ {6, 8, 9}

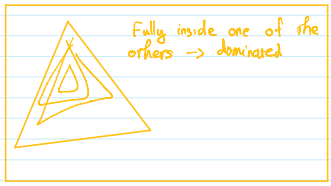


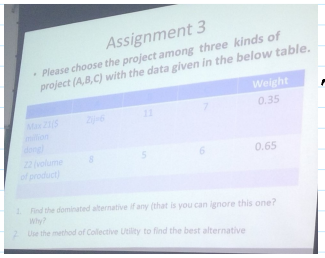
	A	B	C	D	W
Life cycle	1	2/3	2/3	0	0,3
Gas con	2/3	1	2/3	0	0,4
Price	0	2/3	1/3	1	0,3
C.U	17/30	29/30	17/30	9/30	

Best alt

- Dominated alt : Use polygon model

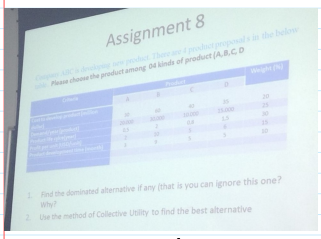






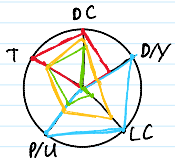
	A	B	C	W
max z_1	0	1	1/5	0,55
z_2	1	0	1/3	0,65
C.U	0,65	0,55	0,2869	1

Best alt



	A	B	C	D	W
DC	$z_{1A}=30 \to b_{M^2}=1$	0	2/3	5/6	0,2
D/Y	1/2	1	0	1/4	0,25
LC	0	1	1/5	2/3	0,3
P/U	0	1	3/8	1/2	0,15
T	1	0	2/3	2/3	0,1
C.U	17/40	7/10	253/800	137/240	

Best alt



A
B
C is dominated by D
D