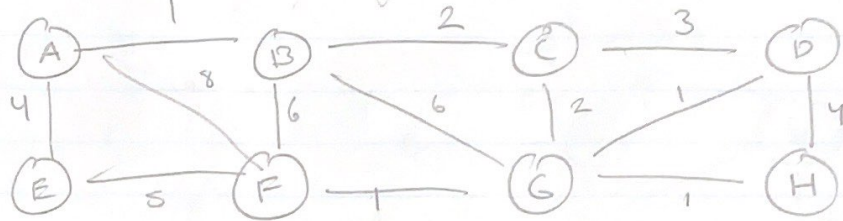


S.2)

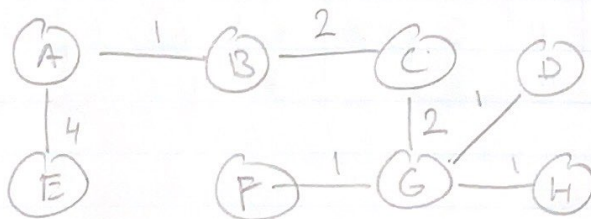
HW 10 - S.2



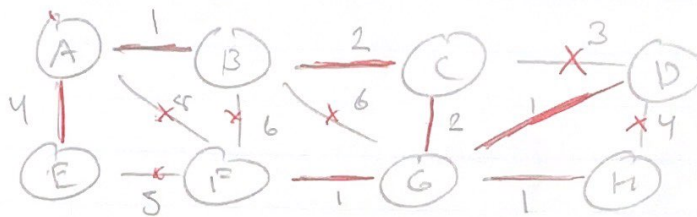
a)

	Cost							
	A	B	C	D	E	F	G	H
pop A	∞	∞	∞	∞	∞	∞	∞	∞
pop B	0	1	∞	∞	4	8	∞	∞
pop C	0	1	2	∞	4	6	6	∞
pop D	0	1	2	3	4	6	2	∞
pop E	0	1	2	1	4	1	2	1
pop F	0	1	2	1	4	1	2	1
pop G	0	1	2	1	4	1	2	1
pop H	0	1	2	1	4	1	2	1
final	0	1	2	1	4	1	2	1

Prim's Algorithm minimum spanning tree



b)

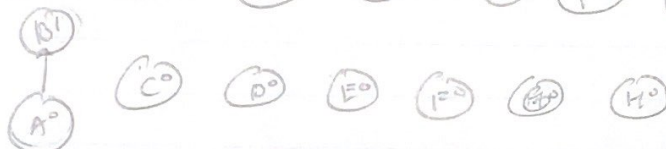


original graph

Start.



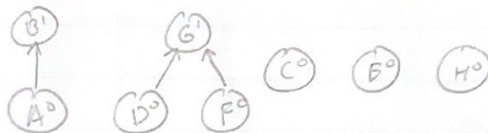
1.



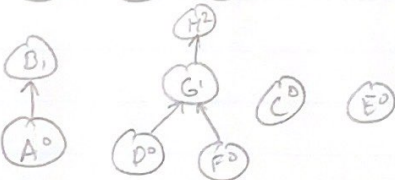
2.



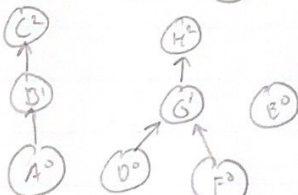
3.



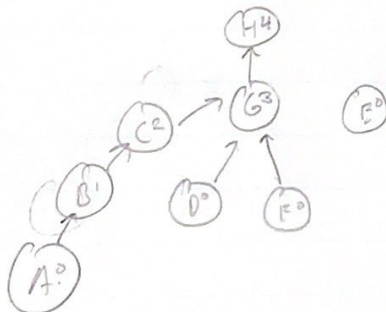
4.



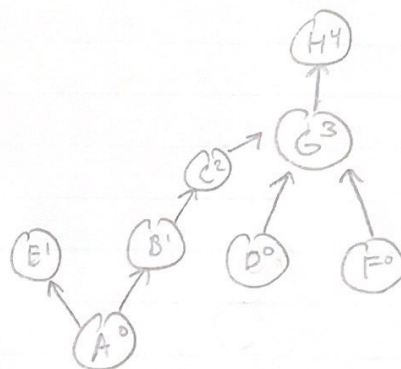
5.



6.



7.



final