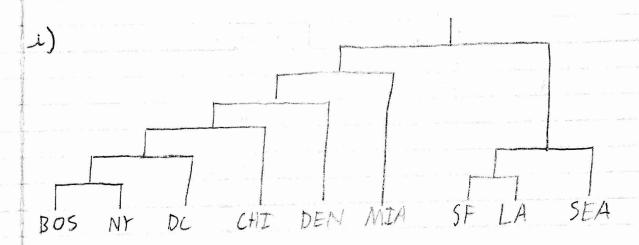
Problem # 7										
a)		BOS/NY	DC	MIA	CHI	SEA	SF	LA	DEM	4
	BOS/NY	0	233	1308		2815	4.	2786	1771	
- SAUTON -	DC	233	0	1075	671	2684	2799	2631	1616	-
	MIA	1308	1075	0	1329	3273	3053	2687	2037	j.
	CHI	80z	671	1329	0	2013	2/42	2054	996	
	SEA	2815	2684	3273	2013	0	800	1131	1307	
	SF	2934	2799	3053	2142	808	0	379	1235	
	LA	2786	2.631	2687	2054	1131	379	0	1059	
	DEN	1771	1616	2037	996	1307	1235	1059	0	

4	BOS/NY/DC	MIA	CHI	SEA	SF	LA	DEN
BOS/NY/DL		1075	671	2689	2799	2631	1616
	1075	0	1329	3273	3053	2687	2037
CHI	671	1329	0	2013	2/92	2054	996
SEA	2684	5273	2013	0	808	1131	1307
5F	2799	3053	2/12	808	0	379	1035
And the second s	2.631	2697	2054	1131	379	0	1059
- Company of the Comp	1616	2037	996	1307	1235	1059	0

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	BOS/NY/DC	MIA	CHI	SEA	SF/LA	DEN
BOSINIDO	0.	AND STREET, ST	the state of the s	Andrew State of State	2631	1616
MIA	1075	0	1329	3273	2687	2057
CHI	671	1329	0	2013	2054	996
SEA	2684	3273	2013	0	808	1307
SF/LA	2631	2687	0 17.05	1.		1059
DEN	1616	2037	996	1307	1059	101

	BOS/NY/DU/CHI	MIA	SEA	SF/LA	DEN
BOS/NY/DC/CHT	0	1075	2013	2054	996
MIA	1075	0	3273	2687	2037
SEA	2013	3273	0	808	1307
SFILA	2054	2687	808	0	1059
DEN	996	2037	1307	1059	10



ii) I cluster: BOS, Nt, DC, CHI, DEN 2 cluster: MIA

3 cluster: SF, LA, SEA

b) i) $C_1 = (36.0, 103.0)$ $C_2 = (30.0, 78.0)$ ii) cluster C1: (40.2, 111.1)

6

BOS NY DC MIA CHI SEA SE LA DEN C1: dis Snom (40.2,111.1) 1791 1671 1570 1766 1060 656 546 499 282 C2: dis Snom (37.2,75.6) 375 280 122 723 626 2126 2204 2068 1383

cluster ul center as C1: SEA, SF, LA, DENI cluster ul center as C2: BOS, NY, DC, MIA, CHT