

C1

C2

C3

Points		Distance from C1	Distance from C2	Distance from C3	Clusters	
2	10	0.00	3.61	8.06	1	
2	5	5.00	4.24	3.16	3	
8	4	8.49	5.00	7.28	2	
5	8	3.61	0.00	7.21	2	
7	5	7.07	3.61	6.71	2	
6	4	7.21	4.12	5.39	2	
1	2	8.06	7.21	0.00	3	
4	9	2.24	1.41	7.62	2	

C1	2	10
C2	6	6
C3	1.5	3.5

Points		Distance from C1	Distance from C2	Distance from C3	Clusters	New Clusters
2	10	0.00	5.66	6.52	1	1
2	5	5.00	4.12	1.58	3	3
8	4	8.49	2.83	6.52	2	2
5	8	3.61	2.24	5.70	2	2
7	5	7.07	1.41	5.70	2	2
6	4	7.21	2.00	4.53	2	2
1	2	8.06	6.40	1.58	3	3
4	9	2.24	3.61	6.04	2	1

C1	3	9.5
C2	6.5	5.25
C3	1.5	3.5

Points		Distance from C1	Distance from C2	Distance from C3	Clusters	New Clusters	New Clusters
2	10	1.12	6.54	6.52	1	1	1
2	5	4.61	4.51	1.58	3	3	3
8	4	7.43	1.95	6.52	2	2	2
5	8	2.50	3.13	5.70	2	2	1
7	5	6.02	0.56	5.70	2	2	2
6	4	6.26	1.35	4.53	2	2	2
1	2	7.76	6.39	1.58	3	3	3
4	9	1.12	4.51	6.04	2	1	1

C1	4.5	8.5
C2	7	4.33
C3	1.5	3.5

Points		Distance from C1	Distance from C2	Distance from C3	Clusters	New Clusters	New Clusters	Final Cluster
2	10	2.92	7.56	6.52	1	1	1	1
2	5	4.30	5.04	1.58	3	3	3	3
8	4	5.70	1.05	6.52	2	2	2	2
5	8	0.71	4.18	5.70	2	2	1	1
7	5	4.30	0.67	5.70	2	2	2	2
6	4	4.74	1.05	4.53	2	2	2	2
1	2	7.38	6.44	1.58	3	3	3	3
4	9	0.71	5.55	6.04	2	1	1	1