Step-3) Clus	ter1 of V1 = {a:	1, a2, a4}						
·	2 = {a1, a5, a6}							
	(= , = =, = =,							
Step 4) Recalc	ulate the cluster ce	enters by taking av	erage					
V1= 1/3 [(1,1) -	+ (2,1) +(3,2)]							
1/3(6,4)								
(2,1.3)								
V2 = 1/3 [(2,3)	+ (4,3) + (5,5)]							
1/3(11,11)								
3.67,3.67								
Step-5) Repea	t from step 2 until v	ve get same cluste	er center or same cl	uster elements a	as in previous ele	ments		
	Distance from	Distance from Centroid 2						
Point	Centroid 1 (2,1.33)		Assigned Cluster					
a1 (1,1)					Step-6) Cluster1 of V1 = {a1, a2, a3,a4}			
					Cluster1 of V12= { a5, a6}			
a2 (2,1)								
() /					Step 7) Recalculate the cluster centers by taking average			erage
a3 (2,3)					. ,		, ,	
(- -,-/					V1= 1/4 [(1,1) +	(2,1) +(2,3)+(3,2)]		
a4 (3,2)					1/4(8,7)	(,, (,,,(-,,)		
,					(2,1.75)			
a5(4,3)								

V2 = 1/2 [a5 +	V2 = 1/2 [a5 + a6]			
V2 = 1/2 [(4,3)	+ (5,5)]			
1/2 (9,8)				
(4.5,4)				
So cluster eler	ments and centers are not same			
Point	Distance from Centroid 1 (2,1.75)	Distance from Centroid 2 (4.5,4)	Assigned Cluster	
a1 (1,1)				
a2 (2,1)				
a3 (2,3)				
a4 (3,2)				
a5(4,3)				
	er are not changed			
Cluster 1 {(1,1)	Cluster 1 {(1,1) (2,1) (2,3) (3,2)}			
Cluster 2 { (4,3	Cluster 2 { (4,3) (4,5)}			