

The values of clusters centers	The index of cluster
230.8318	1
230.8318	2
191.68	3
230.831	4
230.8318	5
230.8318	6
111.7449	7
230.8318	8
136.5829	9
230.8319	10
158.5767	11
76.6043	12
76.6043	13
76.6043	14
76.6043	15
76.6043	16
76.6043	17
76.6043	18
76.6043	19
76.6043	20
76.6043	21
76.6043	22
76.6043	23
76.6043	25
76.6043	26
76.6043	27
76.6043	28
76.6043	29
76.6043	30
76.6043	31
76.6043	32
76.6043	33
76.6043	34

V	U	Y	
44128 * 8	44128 * 8	44128 * 8	Before
bit	bit	bit	
44006 * 8	43908 * 8	34730 * 8	After
bit	bit	bit	

erations, as explained in Table 8, (14) clusters have the same value as (38.9439). (6) Clusters have same value as (152.62), (2) Clusters have same value as (123.0017),but (2) clusters have different values of (76.6755 , 105.4254).

Now the value of each pixel must be computed to result the final image, where in the original image each pixel has membership values equal to the number of clusters,



we make of maximum membership value of Table 8 the values of the clusters in the pixel and this pixel matches with natural image. value of cluster with the same index of the membership value. Table 7: the parameters of th FCM algorithm .

11-3-3 RLE compression and compression stages: