Clustering	1	2	3	3	4	5	5	7	10	11	13	14	15	17	20	21
(before)																
1	1	2														
3			3	3	4	5	5									
8								7	10	11	13	14	15	17	20	21

The means for cluster 1,3,8 are 1,4,14

Clustering	1	2	3	3	4	5	5	7	10	11	13	14	15	17	20	21
(After)																
1	1	2														
4			3	3	4	5	5	7								
14									10	11	13	14	15	17	20	21

The Cost equals to:

$$\mathcal{L}(\Delta) = \sum_{i=1}^{n} ||x_i - \mu_{k(i)}||^2 = \sum_{k=1}^{K} \sum_{i \in C_k} ||x_i - \mu_k||^2$$

Cost:

334557 10 11 13 14 15 17 20 21 42+37+12+1+32+62+