

## *R-HW # 5.1*

Please use the “Hierarchical Clustering in R and the “average” linkage method to cluster the following 10 items

x	7	10	13	21	28	28	35	43	44	50
y	57	62	63	71	78	88	89	90	94	98

## *R-HW # 5.2*

In the CHURN dataset use R to classify (cluster) the customers, into 3 groups (clusters) based on :

*International Plan, Voice Plan and customer service calls*

*Hint: use k-means and clustering algorithm*