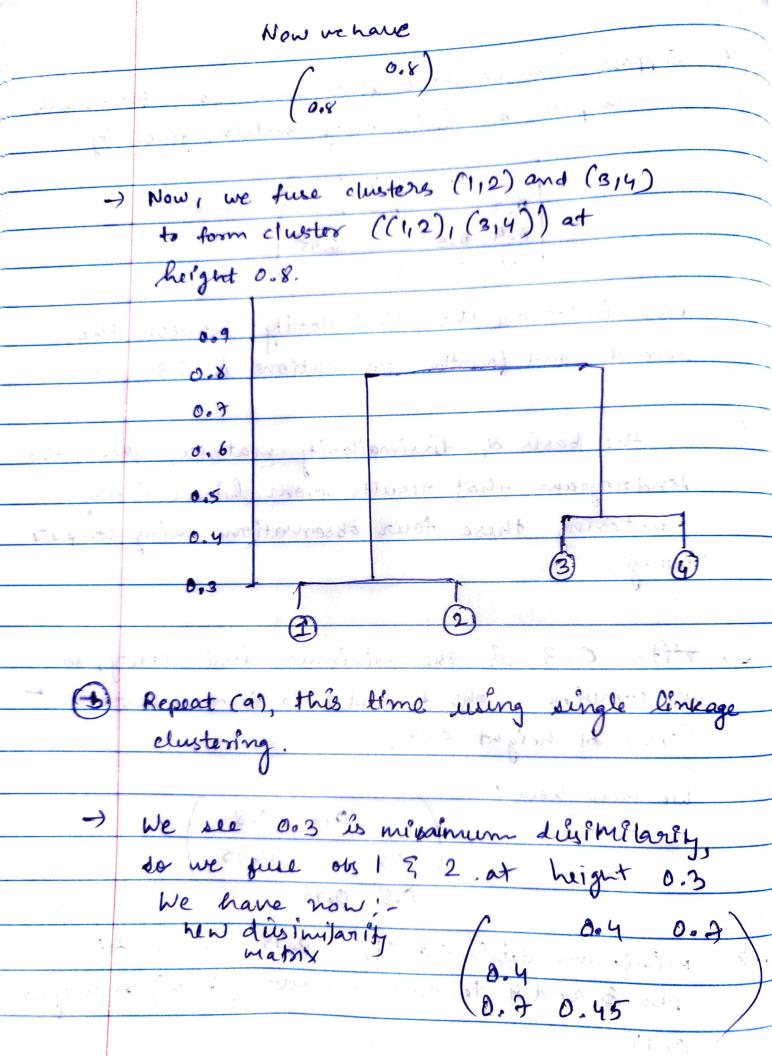
* Suppose that we have four observations, for which we compute a dissimilarity matrix, given by 0.3 0.4 0.7 For instance, the dissimilarity between the second and fourth observations is 0.8. (a) On the basis of dissimailarity matrix, sketch the dendrogram that results from hierarchically clustering these four observations, using complete Unkage. - With 0.3 is the minimum dissimilarity, so we combine obs 1 and 2 to form cliested (1,2) at neight 0.3. We now have:

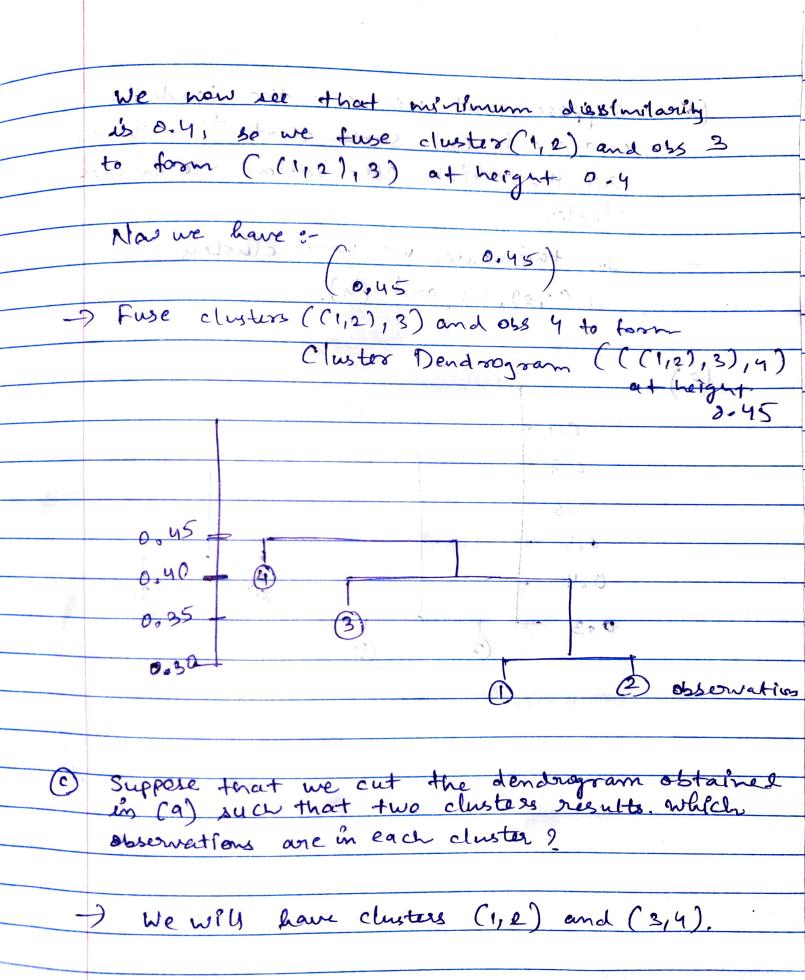
-0.5

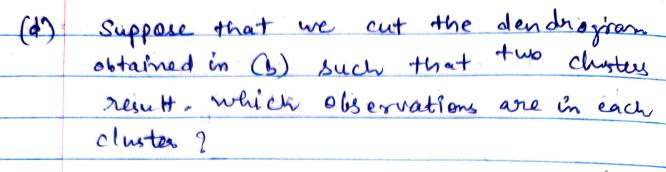
0.45

0.8

0.45 menemum déssimilarity 0.45 %, we forse obs 3 and 4 to form a cluster (314) at height







((1,2), 3) and (4).

