

Distance of (3) to (1,2)

=
$$\max(3-1,3-12)$$

= $\max(0.4,0.5)$

Distance of the 132

Emax

Obstance

so the matrix:

Distance 12 3 4

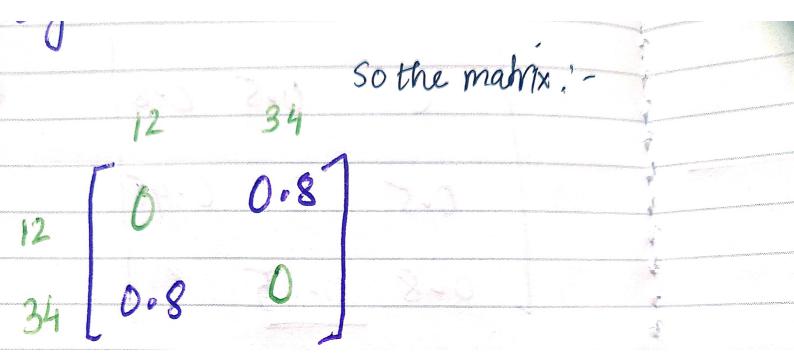
12 0 0.5 0.8

3 0.5 0 0.45

4 0.8 0.45

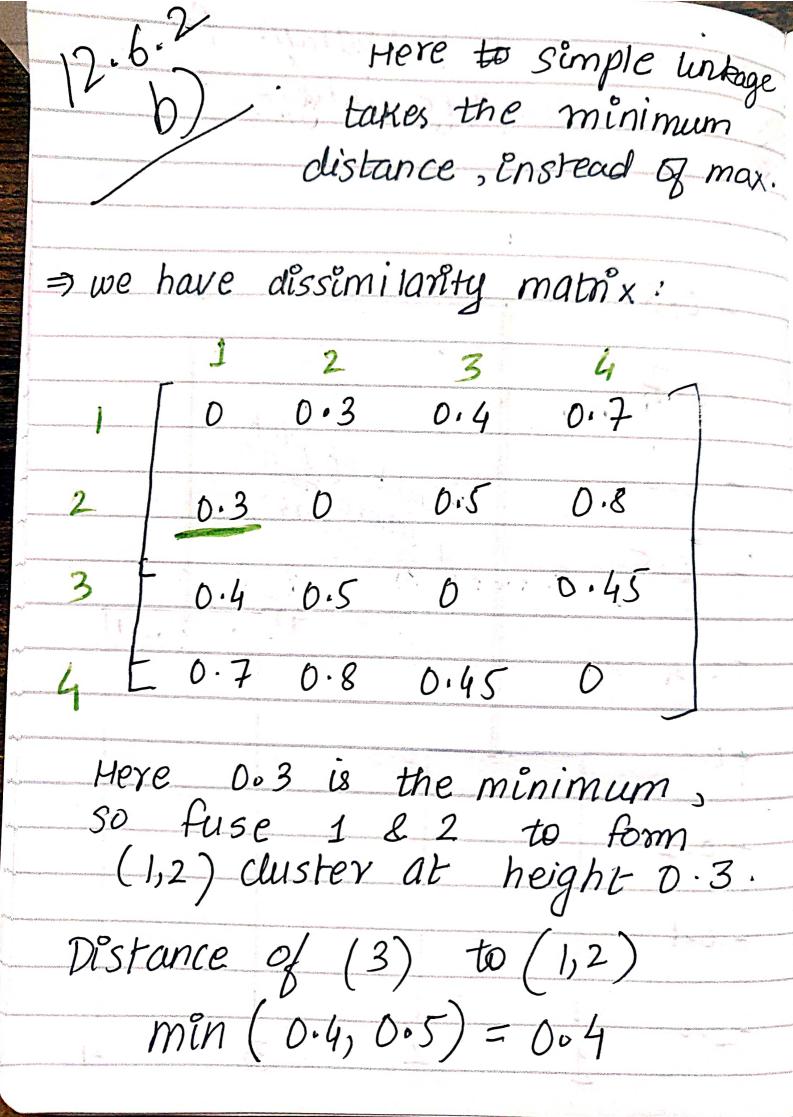
Now, minimum disimilarity is 0.45, so we fuse observations 3 and 4 to form cluster (3,4) at height 0.45.

Distance of the second of the

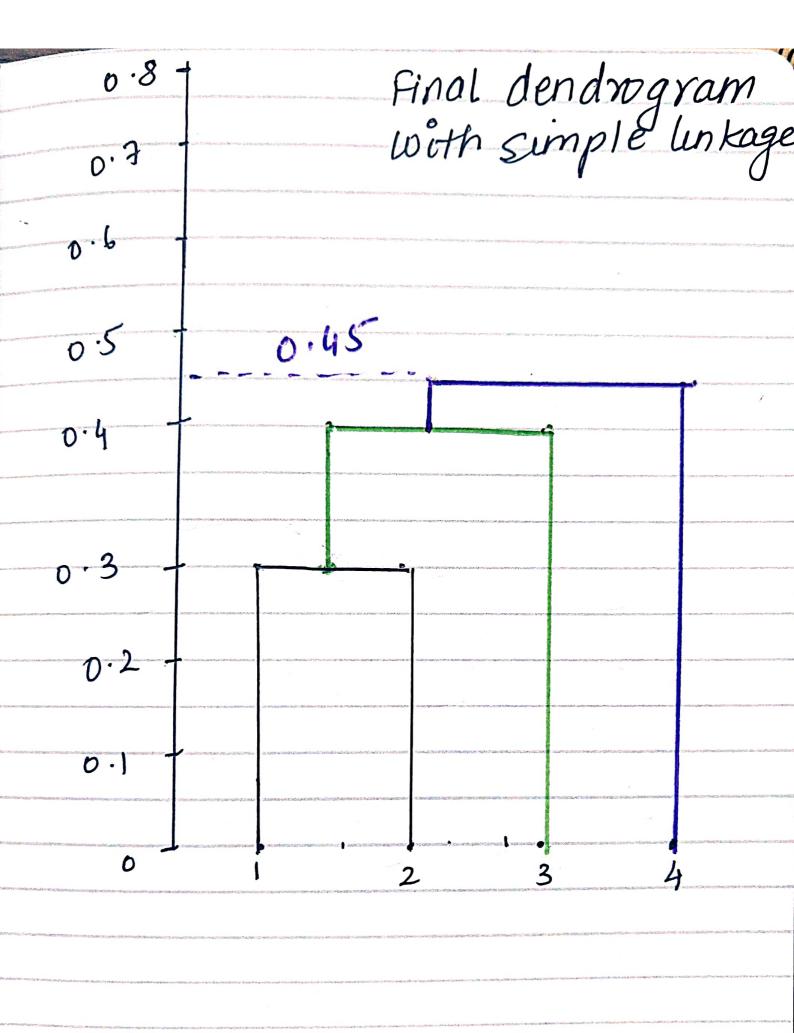


Now, fuse 0.8 is remaining, fuse clusters (1,2) & (3,4)
at height 0.8.

final dendrogram for complete linkage. 0.8 0.8 height of plot height of pission where was Doh 0:3 0.3 0.2 000



matnx 18: 123 Harmon Commence of the commenc NOW, 0.45 & remaining, fuse (1,2,3) & (4) at height 0.45 to form (1,2,3,4) cluster



12.6.2 we will get clusters (1,2) & (3,4), as these are the most dissimilar.

d). In this case, we will get clusters (1,2,3) & (4), as these are the most dissimilar.

