

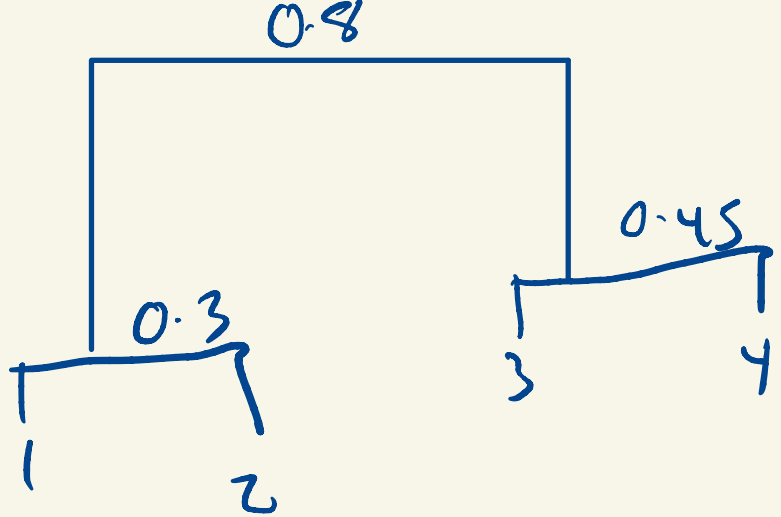
ISLR 12.6.2

$$9 \begin{bmatrix} 0 & \underline{0.3} & 0.4 & 0.7 \\ 0.3 & 0 & 0.5 & 0.8 \\ \underline{0.4} & 0.5 & 0 & 0.45 \\ 0.7 & 0.8 & 0.45 & 0 \end{bmatrix}$$

$$1,2 \begin{bmatrix} \underline{1,2} & & \\ 0 & 0.5 & 0.8 \\ 0.5 & 0 & 0.45 \\ 0.8 & 0.45 & 0 \end{bmatrix}$$

$$1,2 \begin{bmatrix} \underline{1,2} & & \\ 0 & \underline{3,4} & \\ 0.8 & 0 & \end{bmatrix}$$

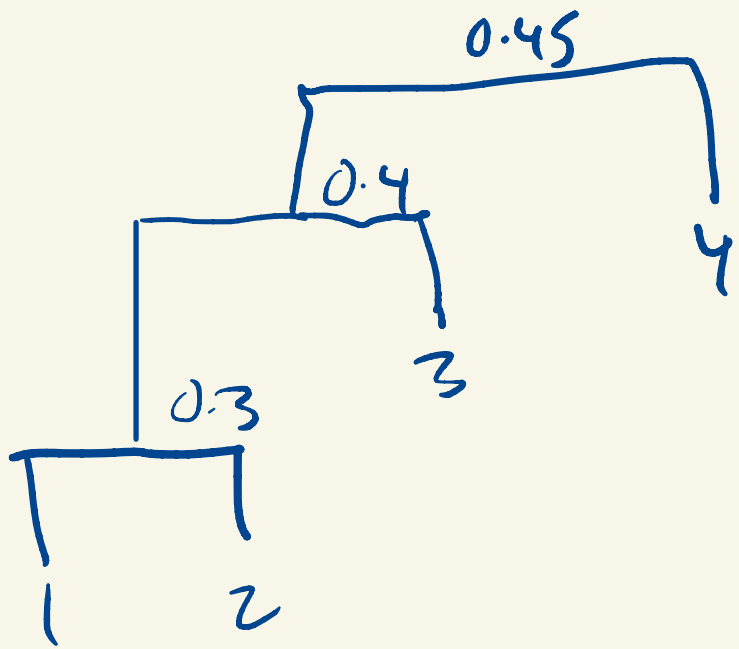
Tree:



b)

	1, 2		
1, 2	0	0.4	0.7
3	0.4	0	0.45
4	0.7	0.45	0

	1, 2, 3	4
1, 2, 3	0	0.45
4	0.45	0



c) Cluster 1 - 1, 2
Cluster 2 - 3, 4

d) Cluster 1 - 1, 2, 3
Cluster 2 - 4

e)

