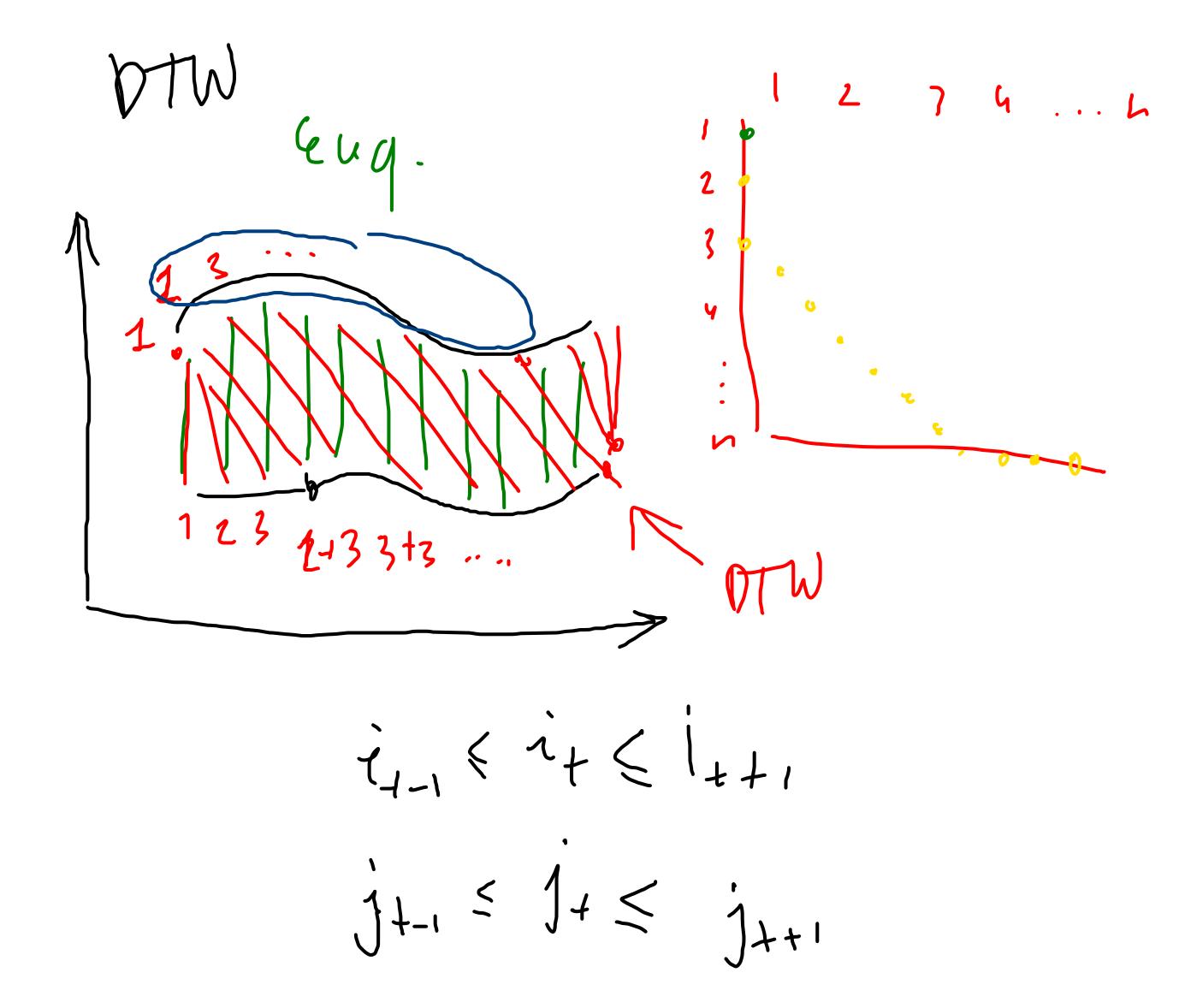
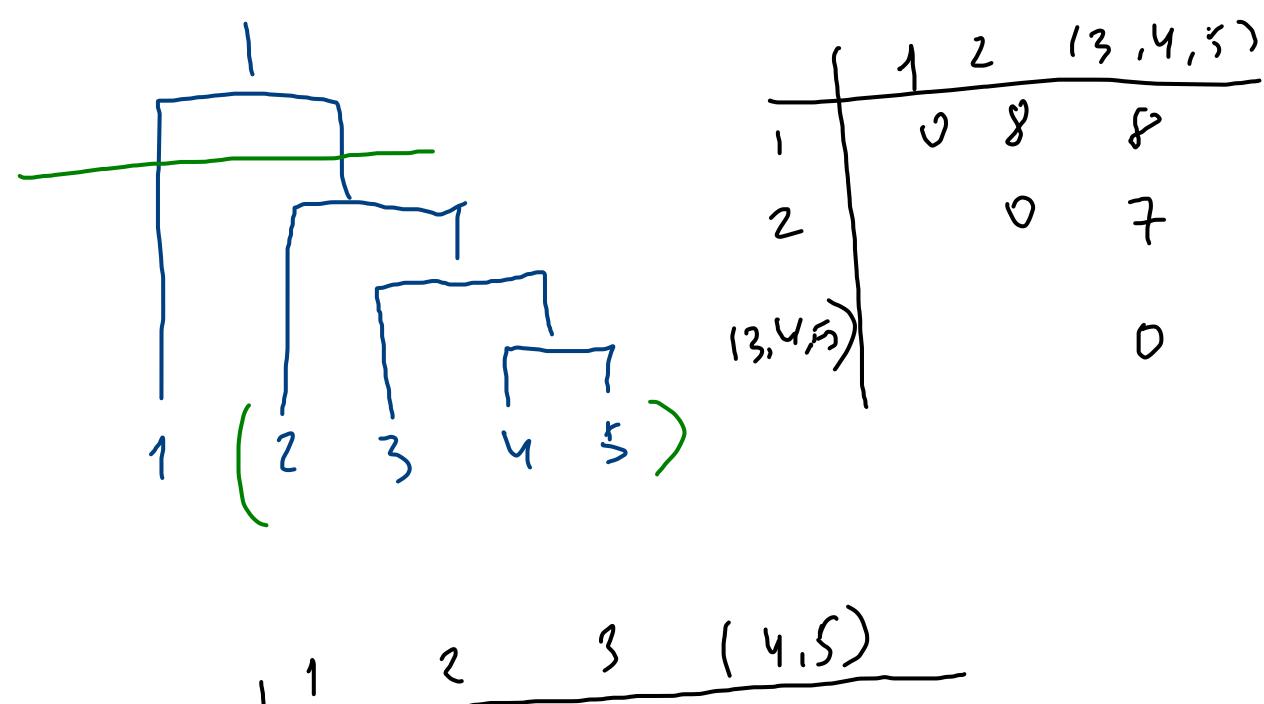
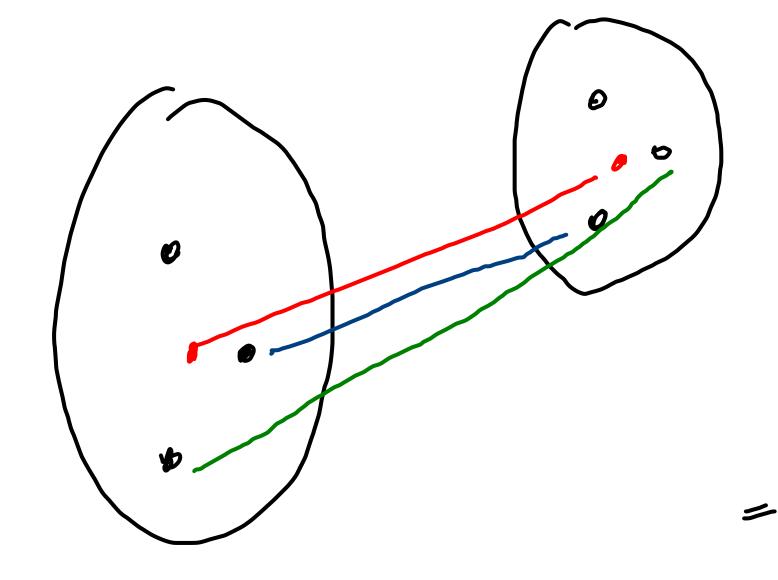
Parlition clustering vs Hierarchical · K - neans





1 2 3 (4.5) 1 0 8 8 7 2 0 7 5 3 0 3 4.5)



 $\sum (X; -\overline{X})^2$

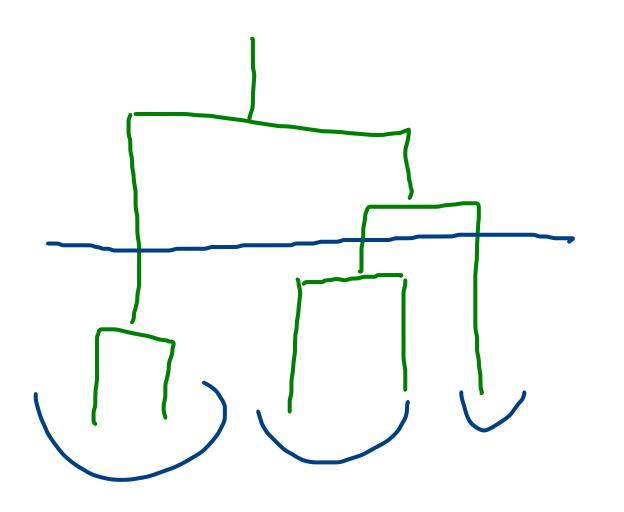
5) & SSEij = = SSEij - SSE;-SSE;

1) Conpose centroids: mean/median

1) Single linhage min Si, j

3) Complete Imhage hax Sij

4) Average lintage mean sij



1) linearity + correct. Specializations

2)
$$E(\epsilon_i|X) = 0$$

Les cor $(\epsilon_i, x_i) = 0$

No | - masurment or | - Simultanaily |