

Voronoi Diagram

Divide-And-Conquer

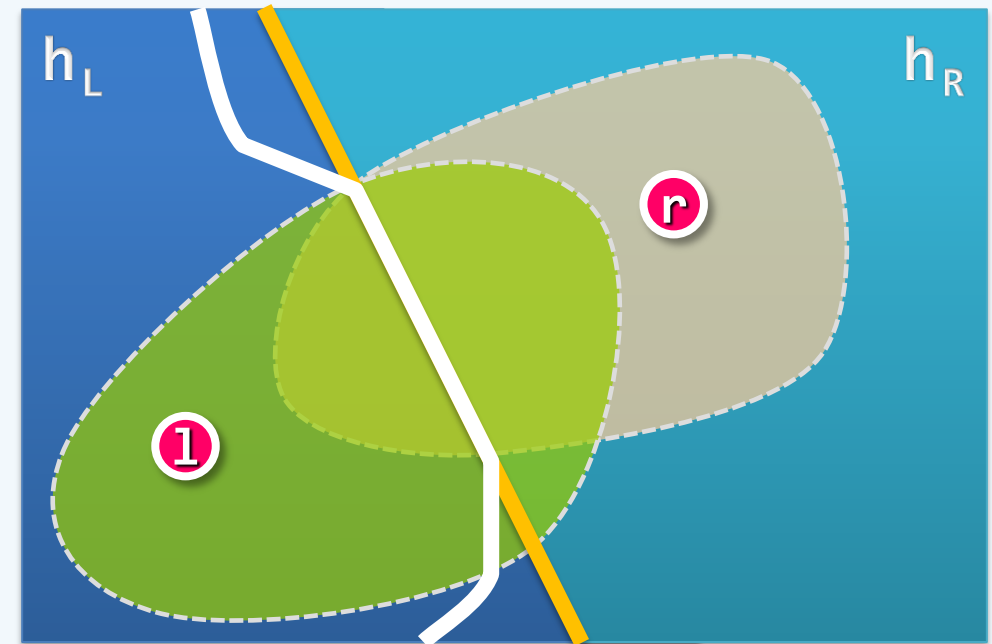
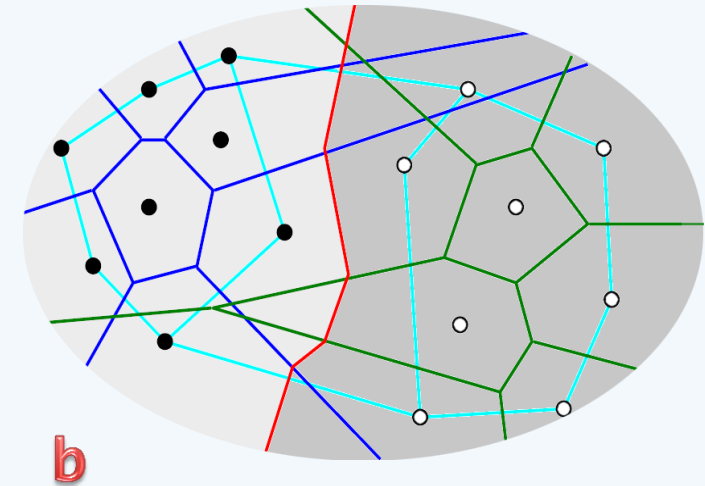
- Solving Overlaps

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Overlaps

- ❖ $VD(S_L)$ & $VD(S_R)$ must overlap,
for either of them **covers** the entire plane
- ❖ Let $Cell(l)$ and $Cell(r)$ be
two overlapping cells
- ❖ Let b be
the **bisector** between l and r
- ❖ Let h_l and h_r be
the 2 halfplanes defined by b



Solving Overlaps

❖ The overlap between $\text{Cell}(l)$ and $\text{Cell}(r)$

can be solved by clipping

$\text{Cell}(l)/\text{Cell}(r)$ with h_l/h_r

❖ All overlaps will be solved by

processing all overlapping cell pairs

in this manner

