

Voronoi Diagram

Divide-And-Conquer

- Strategy

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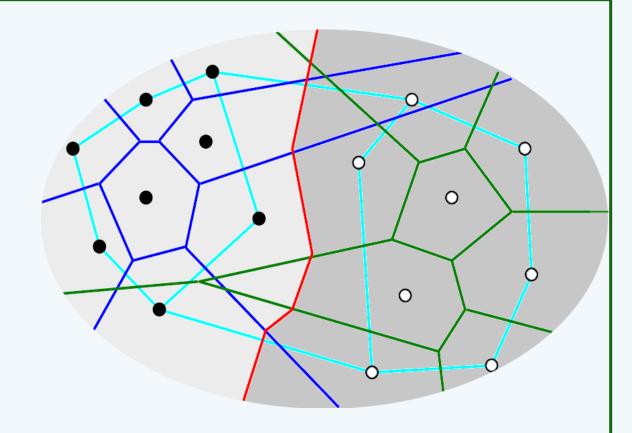
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DacVoronoi(S, n)

❖ x-sort all sites into

$$S = \{ p_1, p_2, ..., p_n \}$$

return dacVD (S, 1, n)



dacVD(S, i, j)

❖ return j - i < 3 ?</pre>

trivialVD(S, i, j):

merge (dacVD(S, i, (i + j)/2),

dacVD(S, (i + j)/2 + 1, j)

 \bullet How to merge sub-diagrams VD(S_L) and VD(S_R)?

How efficiently can we do it?

