

Plane Sweep

- Breakpoints

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Breakpoints vs. Voronoi Edges

❖ Each breakpoint between neighboring parabolic arcs

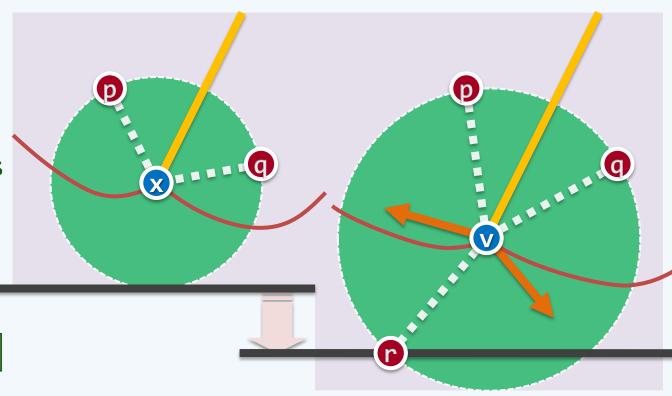
- is equidistant from

the 2 corresponding sites

and the SL, and hence

- lies on the Voronoi edge

between the 2 corresponding sites



Tracing Breakpoints

- ❖ Hence we can get the desired VD by
 - simulating the growth of the BL and
 - keeping track ofall breakpointswhile the SLmoves downward
- ❖ However, should we examine

every moment during the growth of BL?

❖ Of course, no!

