

BO Algorithm: Strategy

- Possible Cases

Junhui DENG

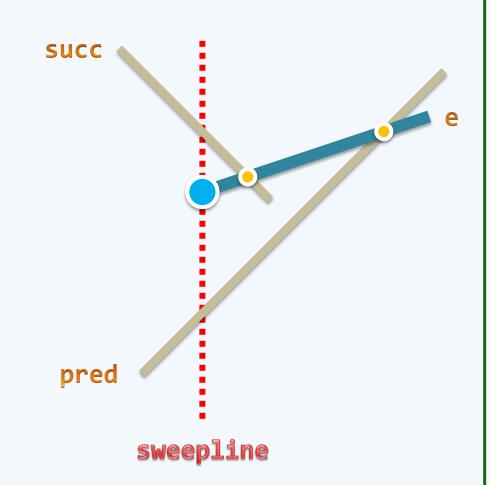
deng@tsinghua.edu.cn

Left Endpoint

When L touches the left endpoint of a segment e,

- insert e into
 the status sequence, and
- detect possible intersections

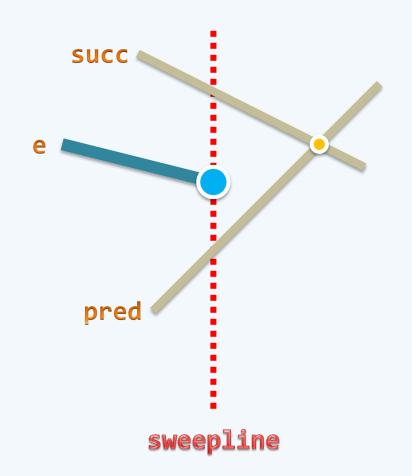
 between e & pred(e)/succ(e)



Right Endpoint

When L touches the right endpoint of a segment e,

- delete e from the status sequence, and
- detect possible intersection
 between pred(e) & succ(e)



Intersection

When L encounters the intersection point of e and f,

- swap e and f
 in the status sequence, and
- detect possible intersections

 between e(f) & h(g)

