

# Voronoi Diagram

Divide-And-Conquer

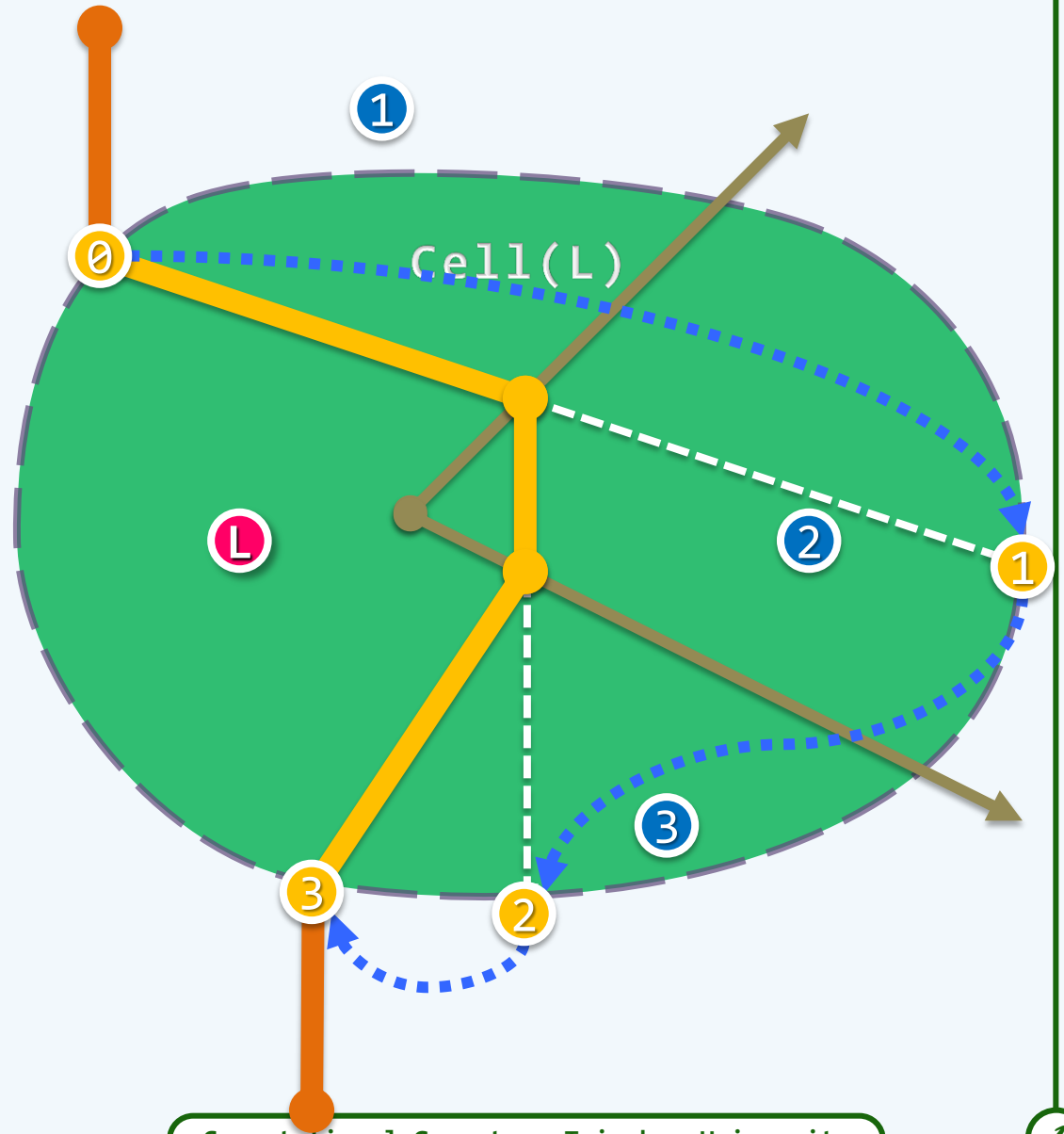
- Convexity & Monotonicity

Junhui DENG

deng@tsinghua.edu.cn

# Convexity

- ❖ Each time we flip a cell, we add an edge to the un-flipped cell
- ❖ Furthermore, since each cell is itself convex, we know that ...



## Monotonicity

## ❖ Consecutive edges

added to a same cell

of the  $L/R$  sub-diagram

always make an **R/L** turn

