

Point Location

Constructing Trapezoidal Map

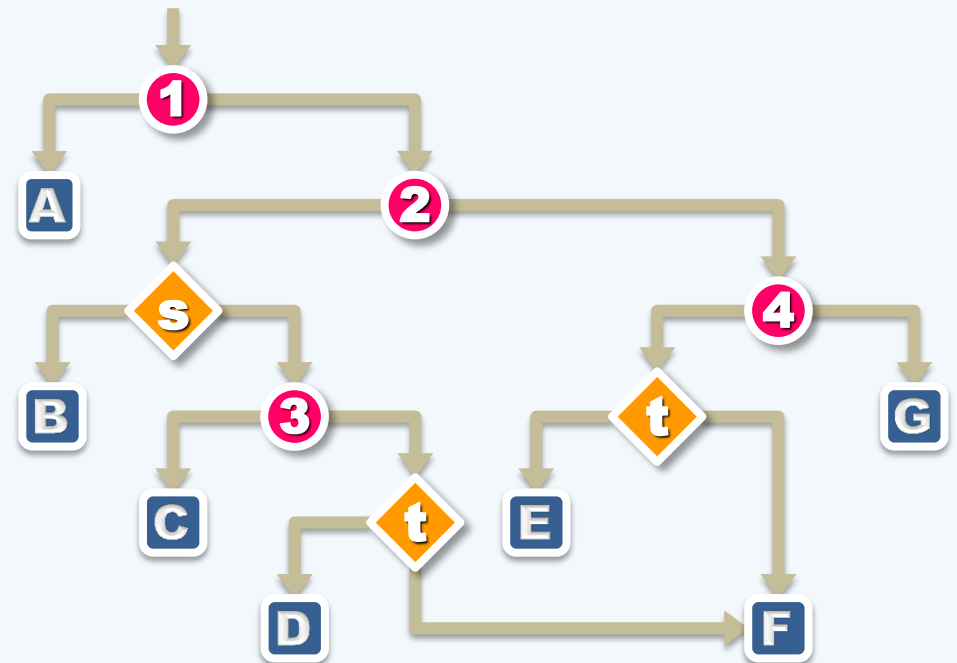
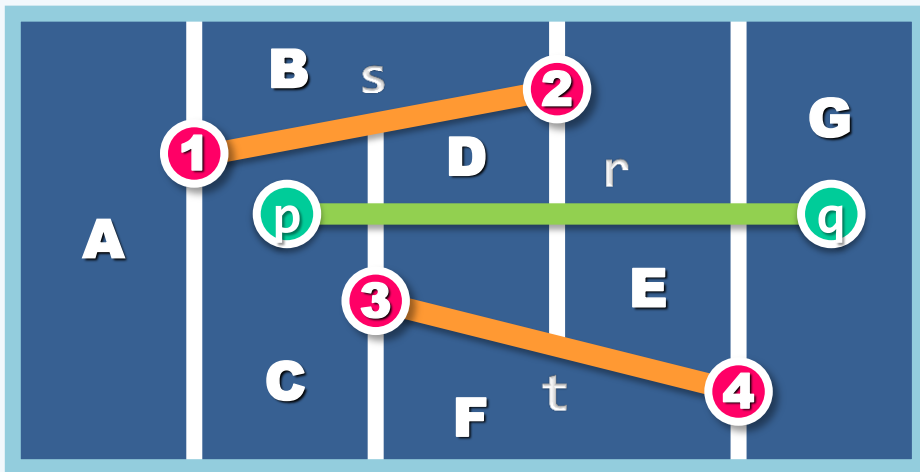
- Challenges

Junhui DENG

deng@tsinghua.edu.cn

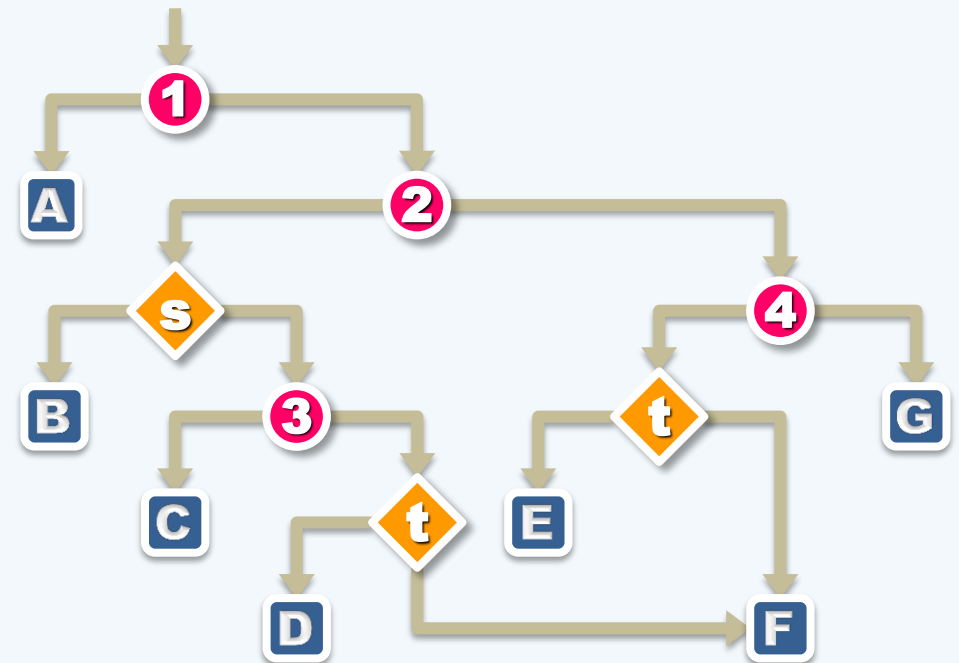
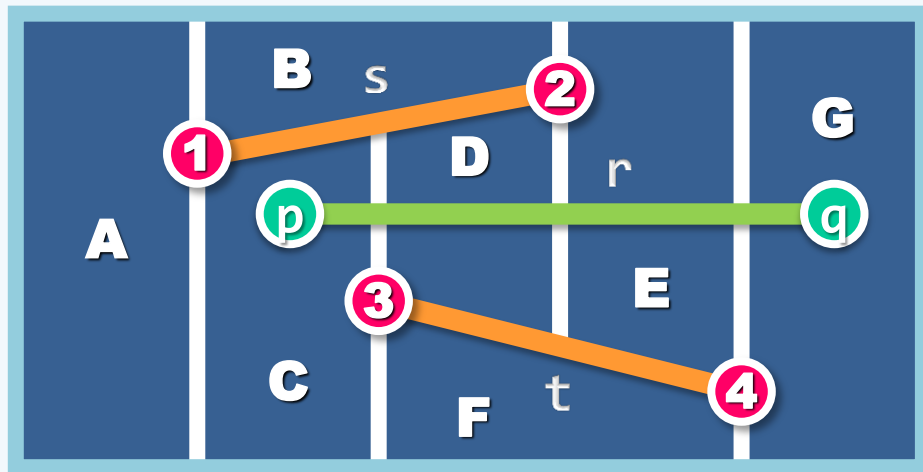
❖ How to **locate** p in the current map?

❖ We are taking the PL algorithm as a subroutine here, though
it hasn't been presented yet



❖ How to walk to the next trapezoid?

❖ Recall DECL ...



❖ How to **refine** $TM(S)$ and **update** $SS(S)$?

❖ There could be **3** cases, depending on
the **number of endpoints of r**
contained in the current trapezoid

