

Trapezoidal Map

Search Structure: Performance

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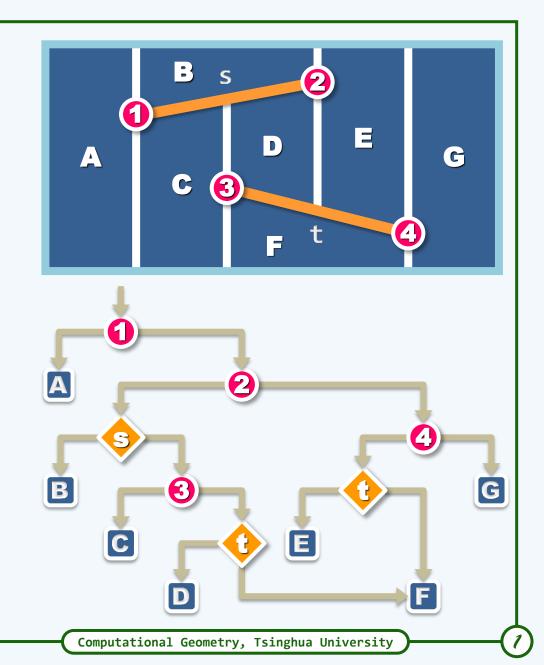
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♣ Each entity of TM(S) may correspond to

more than 1 node of SS(S); and

❖ There could only

be duplications of y-nodes



❖ What is the size of SS(S) then? Does it still remain | O(n) |? Using SS(S), how long will a query be answered? ❖ We will see soon that the space and the query time will be O(n) and $O(\log n)$ resp., both in terms of expectation

