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Point Location

Path Copying

- Storage Optimization

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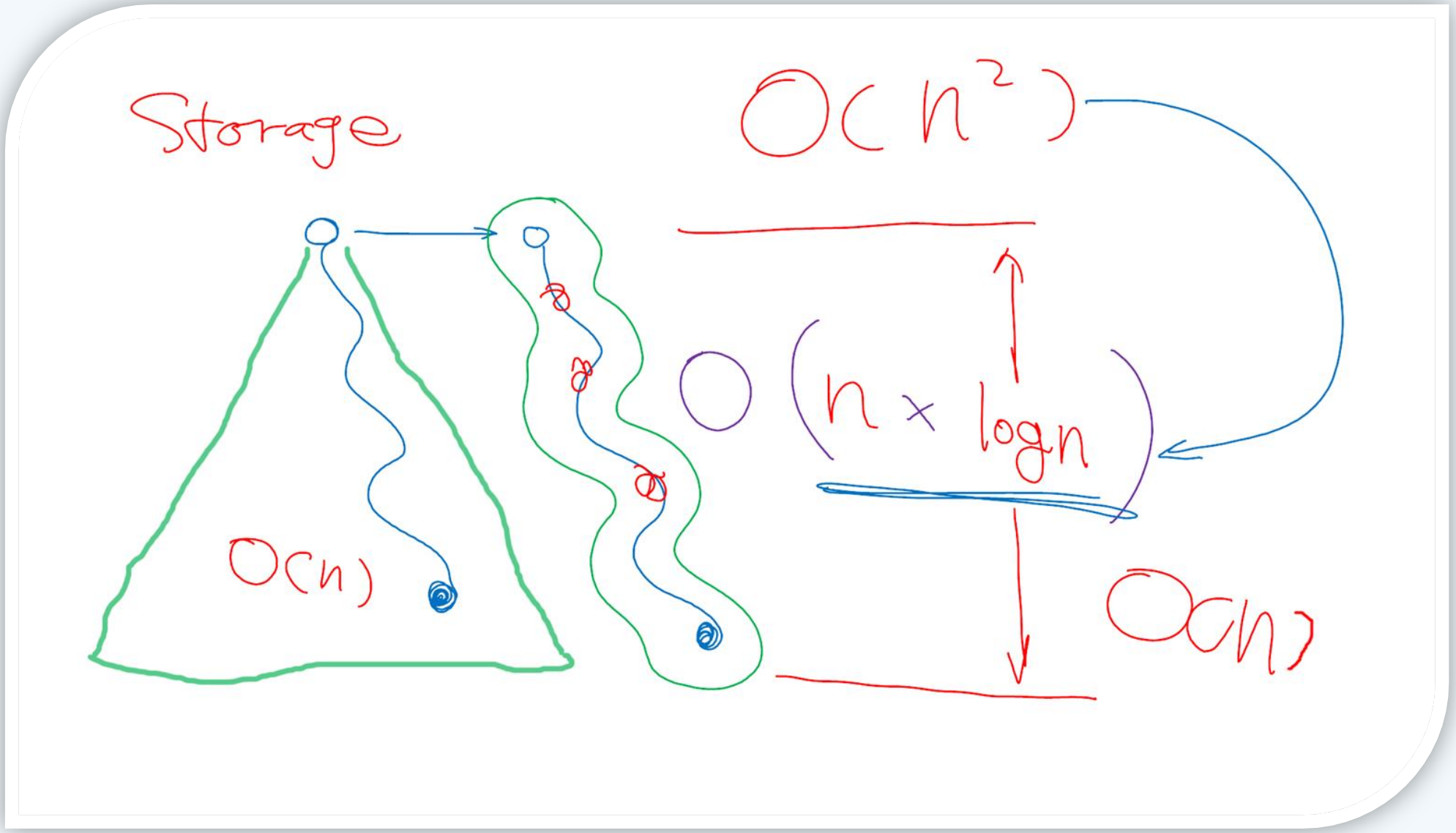
Storage
O(n²)
O(n)
(n × logn)
O(n)

$O(n \log n)$

- Claim: by path-copying, we have to store all slabs in $O(n \log n)$ space
  - the first slab requires $O(n)$ and
  - each another slab costs $O(\log n)$ and there are $O(n)$ slabs
- We will see soon that

  the space complexity can be further reduced to $O(n)$ ...