

Lect. 1: Introduction

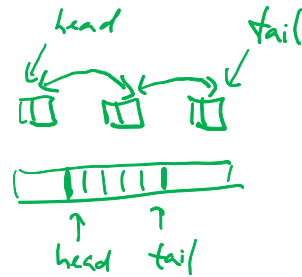
DS: data + operations (queries / updates)

"black box" interface

implementation \Rightarrow complexity of operations

static (only queries) / dynamic

Ex: • QUEUE: ENQUEUE(x) $O(1)$ implementations:
 DEQUEUE $O(1)$ \Leftarrow linked list
 ISEMPTY $O(1)$ array



cyclically indexed

• STACK: PUSH

