Notes 3.15-3.22

Queues
insert -queue
   1) Create new pair with datum
   2) Set-cdr! On rear-pointer
   3) Update rear-pointer to point to a new pair
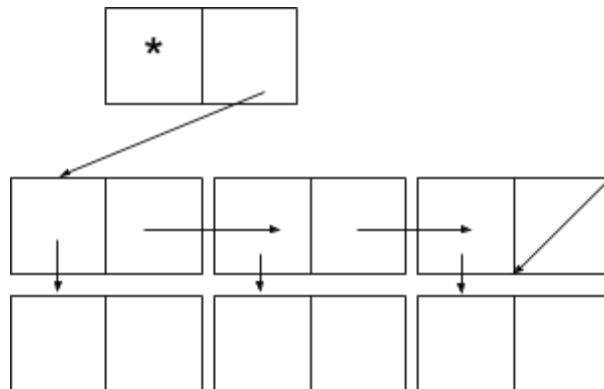Delete-queue
   1) Store datum in temporary variable
   2) Set front-pointer to cdr of front-pointer
   3) Return datum
Push!
   1) New pair
   2) Set-cdr of new pair to top pointer
   3) Set top-pointer to new pair
Table

- First box is k: key (id)
- Cdr is v: value (information)
- (Assoc key table) → returns record
- (ressoc value table) → returns first match of value

- Add at the beginning to avoid cdr through the whole table
- To delete, go to the second row and use recursion until the key matches
    - Then set-cdr of previous key to cddr