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- Constructors
 - kv_empty: create an empty KV
 - kv_add: add a key:value binding to a KV
 - kv_create: create a KV from a list of key,value tuples
- Selectors
 - kv_items: list of (key,value) tuple in KV
 - kv_keys: list of keys in KV
 - kv_values: list of values in KV
- Operations
 - kv_len: number of bindings
 - kv_in: presence of a binding with a key
 - kv_display: external representation of KV

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Exercises

- Read 2.2, reread 2.3, esp 2.3.6
- Modify all three KV ADTs to avoid ever adding duplicate keys

- Create and ADT for a shopping cart containing a collection of products and their order count
 -cart() -creates an empty cart
 - cart_add(ct, product) returns a new cart that includes an additional order of product, or the first one
 - cart_print(ct) prints the contents of the cart
 - cart_products(ct) returns the list of products ordered - cart_items(ct) - returns list of (product, count)
 - cart_remove(ct, product) returns a new cart with product removed
- Create an 1D array abstraction (like np.array) using lists as representation

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