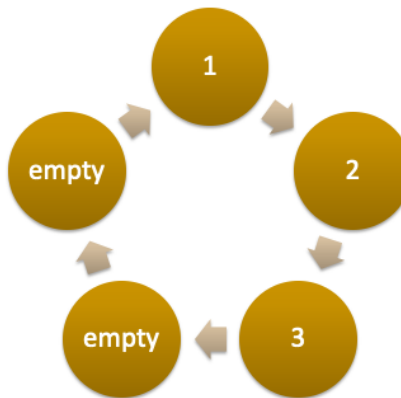


Abstract Data Type – Circular Queue

The Abstract Data Type

- *create(capacity)*
 - Creates a Circular Queue that holds up to capacity elements
- *add(element)*
 - Adds element to next empty space in the queue. Wraps around once all spaces are filled
- *remove()*
 - removes and returns the oldest element



A better abstraction might separate `remove()` into two separate functions: `remove()` which removes the element without returning it and `next()` which just returns the next element without removing it from the queue

The abstraction should have enough functionality to be useful but not have functionality that isn't needed.

In no case should the ADT have any information about implementation: types to use, how the next empty space is determined, etc.