

items

i1

i2

i3

i4

shopping list

0 milk

1 eggs

2 yogurt

3 shampoo

4 cucumbers

5 cheese

LIST FUNCTIONS

add

remove

size

is Empty

add (at index)

remove (at index)

get (at index)

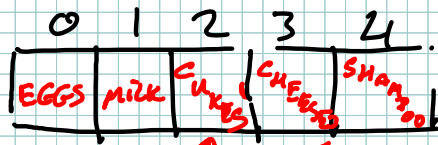
add Sorted

replace (at index)

removeAll

ABSTRACT
DATA
TYPE

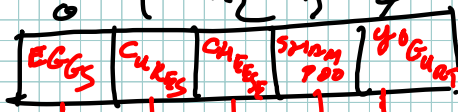
ADT



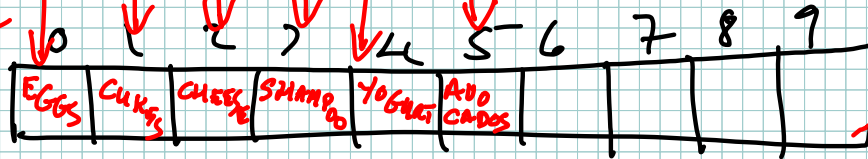
array implementation
of list

CUCUMBERS

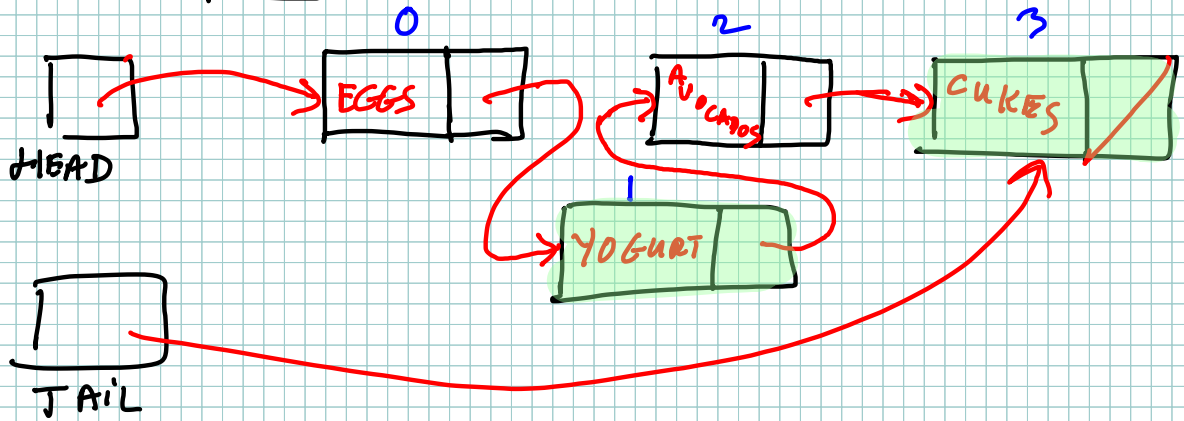
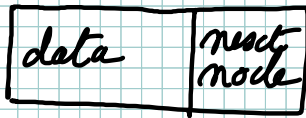
remove (at index = 1), add (yogurt), add (avocados)



new larger
array



singly linked list node



doubly linked list

node

