```
Pre-lab Part 1
1.
def bf_insert(self, key):
       index1 = hash(salt1, key) % self.size
       bv_set_bit(self, index1)
       index2 = hash(salt2, key) % self.size
       bv_set_bit(self, index1)
       index3 = hash(salt3, key) % self.size
       bv_set_bit(self, index1)
       return
def bf_delete(self):
       bv_delete(self)
       return
2.
insertion and search: O(k)
space of the actual data structure: O(m)
Pre-lab Part2
1.
    linked list
         Data Next
              Head
        Data Next
  CS Scanned with CamScanner
2.
def Il_insert(self, newData):
       if move_to_front:
              newNode = Il_create(newData)
              newNode.next = self.head
              self.head = newNode
       else
```

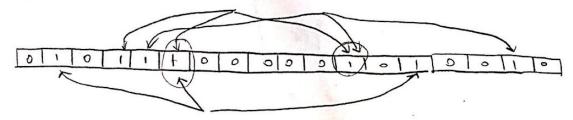
newNode = II_create(newData) temp = self.tail temp.next = newNode self.tail = newNode newNode.next = NULL bloom filter. (m bits and k hash functions)

time/space complexitity

insertion and search: O(k)

space of actual data structure

K= 3 hash functions. h, hz h3



pass (x, y, z) through 3 hash functions and set the

corresponding bits in the bloom filter.

hash functions

hashes keys to generate indices for each value.

take in two inputs: a key, a salt

Struct Hatter Spenk.

Hatterspeak. *95 -> oldspeak.

-> hatterspeak.