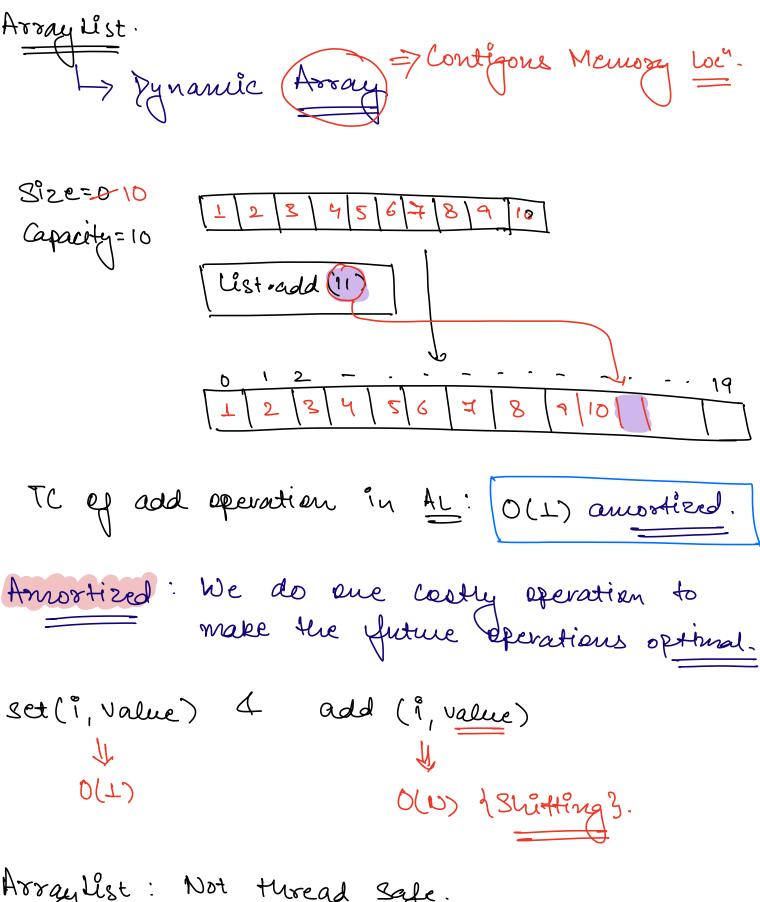
=> Collections Framework Inbuilt Pata structures provided by JAVA. List, Set, Map, bronity Duene, Queue, Strole, Hierarchy. Iterable Collection Queue (Array Dequeue C TreeSex list (Integer) list = new Arraylist (> 15; new Vector<>() new Linkelliste? () new Stack< >C>;



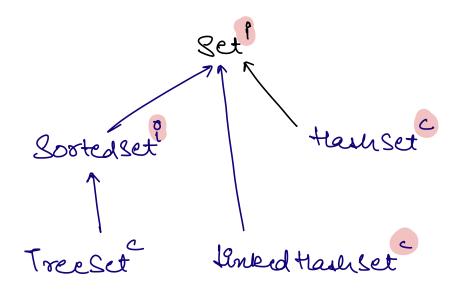
Arraylist: Not thread safe.

> Vector: Synchronized | Thread-sage. linked List. Donbly Linked List. 00

Stack

Ty Push(x) - add(x) Reck ()

Set Interface.



Set (Integer) set = new HashSet (7();

Set. add (10)

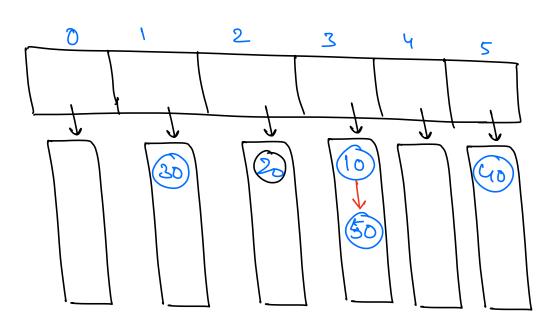
Set add (20)

Sct. add (20)

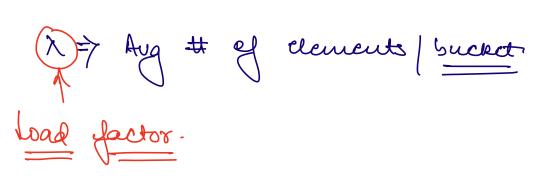
Set add (30)

Set add (40)

Set add (50)



```
add(x)
 add (int x) {
      int bruce = hashfun (x);
       bool found = false;
       for (Node rode: Albuduer)
           if (node. value. equals (x)) (
                   found = true;
        14 (! found) (
             Node n= new Node (x)
             Assuceets. add (u);
         3
  bool containt (x) L
      Int bruce = haufun (x);
      for (Node rode: Albuchet)
            if (node. value. equals (x)) (
                  return true;
       return false;
```



noverses the # of buckets.

? Hashset is unordereded.

Set(Int) lus = new LHSC>();

Uns. add (10)

Uns. add (20)

Uns. add (30)

Uns. add (40)

Uns. add (50)

