if CIs Emply (1) BLOQUE 1: [ STREET -> KNU! Is empty] · Estructura de dator = Forma de Torgonitor dotos en la computadora. Se busco > Almocenomiento ( Epiciento (tenpo y especa)) TAD: Conjunto con operanous (clase). les Constructor ( s Formalmente les Observador y Es pecificados les Informalmente les Modificados ( Osserio por Gitado) O: Graplej idal de un operación Array: Moke prost-c: (6000) Sixc>0

Getlits pre-c: i20 y il size

let(i,T) To pie-c: i20 y i2size
lesport-c: Get(i)== item(T)

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Avray dinomico: * En in avray diremico L Mino posició es[517e-]
 Molecolo - pre-c: Colomo -
           Lopat-c: copaity=1/1 size=0
 Get(i) To piece:
       La port-c: i[O, size)
  Is-full To pre-c'i-
   Set (i,T) To pre-coic O, size)
            Lapart-c. Get(i)==iten(T)
   Push-beck To pre-c: - (!is-anply th), ye gre llone a grow
              Lypot-c: size++ 1/ get(inc-1) == gotodorado itom CT)
    Insert To pre-c: 1000000 i [O, size]
     (ijt) | post-c: size++11 set(i) == itn(T)
     Powere (i) To pre-c: ((0, size)

Sport-c: size-1/set(i) == set(i+1)
                                          Involente
sixe & capacity
```

Array dinemino circular (Antonomy Fi
(Inc To pre-c: (i,T) Godta:
(Dec -> pe-c: (i,T) L>pot-c:
but-c:
Listesu simple:
(1) to con CDAng (Anteriores)
Lista simple:
Nodo:
(rate (t, Node) -> prec:-
>post-c: iten() == iten 1/ rest() == Node
Next > pre-c
La poit-c:
Item > pre-c:-
-: 2-tiaged
Set_rext >> pre-c: -  (Node)   post-c: rext == Node
la poit-c: next == Node
Set_item > pierc: -  (T)   poit c: item() == T

Listo simple George perci-Lapost-c: is\_Empty Is-emply To pre-c: -La poit-c:-Front - pre-c: ! Is-empty Push-front >> pre-c: Tont == T / size ++ Pop- front pre-c: ! Is empty Involute Is-empty on sne>0 Pila = Liste simple (peroland potential son Hollanda) front = top. Co Paredigne LIFE Cola ( Uso de 2 piles) Conte To pre-c: -Is empty Tope-c: -

Front - pre-c: ! Is empty Lo port-c: front = = " més entiguo" Buck properc: | Is-empty b post-c: heck = =" mos mero" Engueve Tipre-c: T (T) Laport-c: book == T// size + P Dequeve poper: ! Is empty

port =: 1 size - 11 front == " segand mor and you" (lok (Urach (DAncy) = Anterior, Iteradores. Gene (No exist) Get perc: "Valid oppostor" Next(i) to pre-c: La port-c: distance (vetern do nort) à i Por (i) To pre-c:-Laport-c: distance (whom de per) = i

set To pre-c: "Volid iterato"

(T) Lo port-c: get(1==T goto Next -> pre-c:(i) Lopoit-c: distance (1his) = i goto Peu Tope-c: 
(i) Lopot-c: distance (thu)=i Liste dobbenente enlesada. Create To pe-c:
(T, Naboat, Nabo J, post-c:-Book po pre-c: 1 Is empty Laport-c:-Bredies End To pe-c: Blackuphy-La port-c:-Besin - pre-c:find (T,it) To pre-c:-Pushtack Toperc:

(T) Lopot-c: size++// book == T Pop-beck Tope-c: ( textosphy) Insert (T, it) To prec : -Laport-c: 117e++ // item == 1/1 next == it

7777777777777777777777777 Remove: To pre-c: "iterator is volid"

(it) Lo posti-c: size-// old rext == ret Lista ordenedal Lista +: Trust => pre-c: Workert ATA-(T) In post =: Current == # 11 not next 1/517e+4 ! Is empty or hogy ()==alo