(Nova

	2072001120
	7 25 1-2
	1-) - a -
	Beach Con Stack (self ser) sail me he
	queue Get Queue (sent st) (
	9 * acx; n poll Ser pouler
	· queve (XFila; JANN = 908 AND 9
9	Fila & head = fila & tail = NULL; F- in west en C (celubula)
	Migro 2005 Company
	For (st. head; st. head! = NULL; st. head = st. head = st. head - next){
	aux = (q*) malbo (size or (q1); L
	gex on = st. head onit
	aux pnext = NULL;
	if (Fila -o head == NULL) { and a more
į	Fila Dhead = auxi
e l	Fila D 69:1 = aux;
	- 1 Same of the second of the
	elset
	Fila-DEail-Dnext = aut; 7
	Fila to tail = auti
	return Filai
_	9
-	
	- Le Militage of the Confederal Confederation of the Confederation of th
	do de voute de seventil et de
1	The Posser of Solomy Steller and Sin
	Romando de primeros cobarroste à diverte da
6	OF PANEDIL OF TOPY OF SIN

1-1 Stack OGER Stack (Sent SE) { SEACK Repilha; time que almon.

Pilha & GOP = NULL; For (st.tail; st.tail: = WLL; st.tail= st.tail - prov) aux = (5 x) malloc (9: 700F(5)); aux Dn = Sf. ta: Dn; aut Dnext = pilha DEOP; 25 pilly of top = auxi return pilha: Favor considerar a arrore Que a desenho: no Finel 2-A arroye e balanceada pois o nodo mais profundo da primaira sub airrore à es querda da raiz/ posqui a mosma alterratque o nodo mais Profundo da primeira subarvore à direita da raiz. Resolução da b naultima paísina

	3-)
	1.02 + log: .02 + log: .03 10
,	were the transfer of the property of the prope
	A Função Xmen é da orden allogzi).
	(NVD)
	· · · · · · · · · · · · · · · · · · ·
	100 100 100 100 100 100 100 100 100 100
	N V Print Tree hoster herein manner of M N
	LYNS I BIO ETIRE OVOR PRICHABLES - 10-100
	19 - 19 - 19 - 19 - 19 - 19 - 19 - 19 -
9)	A FULL DE 185 E DE PERCENTE EL S'UNOVE PERCONTE C
1	11/1 A way o beg sound of and encourage was of
	at ble gover here to bed of sent operations
	come le voll-à-divoire a Caso a porteiro da div
- (4)	Les VULL, a reappe de terme poverment, e vai fair
	go 1225 ale barcorner form a a volve
	20 20 2 92 60 45 60 45 60
	00 CL (70) C2 (0 CL 2), F (2) OC.
	0 1) 1 = 1 = 1 = 1
	2 b.) A avvore é balanceada pois o nodo
-	mais profundo da primeira subarvore à
16	esquerda de raiz é de una altura com
71	uma direvença de apenos 1 unidade da altura do
	modo mais profundo da primeira subarvore
	à disoit à da rai ?.

```
void push (pilha *pilha, item item) {
     node Kauxi
    aux = (node * ) malloc (se ze of (nodel);
    aux pitem = item;
    and prest = Phantop;
    Millantop = auti
Void Par ( P. hatep: ha, item item)
     node Kaux;
    * item = Pilha - O GOP pitemi
    aux = p: lha -060Pi
     Pilha DtoP = Pilha -bfop-Dnott
     flee (aux)
void limpar Pilha (Pilha KPilha) {
    node * auxi
    while (p. thartop!=NOWZ
       oux = Pilha +0 toPi
       Pilhantop = Pilha-Dtop > nexti
       Freelaux);
5
```

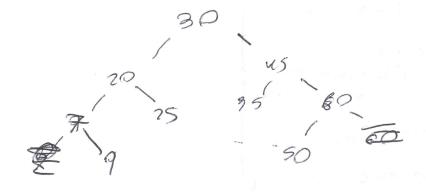
```
node Kinser & Node (mode * root, mode * now)
   if (root = = NULL) {
       return news
    if (root + valor > new + valor) {
       100+0 lort = insert Nodeliont-lext, new)
    else {
      Wordright = insert Nodelamt-oright, newl;
    return most;
int bosca Bin (intervet, intiniag, int finitely)
  int meio;
  if (inigio) f.m) return -1,
  moio = (inicio + Fim)/21
  if (Vet [ma]]== Loy) veturn maio; if (Key > vet[maio]) {
      return bus ca Bis liver, meioth, Fim Keyli
    elset
      rewn busco Bin (vot, inicio, meio-b, log)
int busea Biolintxuet int len, int log)[
   int ini=0, Fin = len, meio=lini+Fin)1;
   while (in: 4=Fim){
      iF (ver[maid) == Koy){
         break; 5
      if (ver [mein] < key) {
         in: 60= me: 0 +2;5
      elsez
          Fim = meio -219
      meio=(ini+Fim)/2;
   if (ini > lim) L
        return -2,7
    elsel
        return vet [me: 0]; 9
5
```

```
Void Free All (Pila * Pila) {
void en Queue (thex)ta, int man){
                                              node *auxi
   node * oux;
                                              while ( file -o head != NULL) &
   aux = (flax) malloc (size of (fital);
                                                out = Pila & hood &
   aux Doet = NULLi
                                                Pila + head = Pila + phead + pnext;
   if ( ! la + head == NULL) {
                                                 Free (aux);
      lila Dhead = awi
lilo DEail = auxi
                                              libertail = NULL;
    elsez
      Pila-ptail-Dnett = aut;
                                           · en Que (d/: k, num);
     Vila DEqil = auxi
                                           · de Proce ( pila, litem);
                                          void PrintTree (node *voot) {
void de Queve (like * like, int * item){
                                           - if (100+ == NULL) {
    node * aux i
                                                 retun;
   * item = lila -o head onum;
    aux = lila + Readi
                                              Printf // orden inserção
    if (like b head == like to tail) {
like b head = NULLi
like 10 tail = NULLi
                                              Print Tree (root-0 left);
                                              Print / ordem crescense
                                               Print lee (root disht)
                                               Printflorden inverse
         I la o head = l. la obserd one ++;
     olsel
     lree (aux)i
int is Empey (Pila * Pila) t
     return (lila-o head == NULL);
b
 20130001178
```

Queup Riki Queve Get Que (SONT ST) File head = Dila & Fall = NULL; Q * aux; raux = (Q*) malloc(s: teos(q)); (st. head; stat) = NUList. had = st. head-onext) f aux on = St. head on aut o nott = NULL; if (file + head = - NULL) [File shed = auxi Figotal= auxi elsez File -Otal-DNeH = aux i Flantail - aux ; Stack Got Stack (Sent ST) { 5 x aux Stack Hailing Pilha top = NULL for (st.ta: list. head 1= NULL) st-tail=st.tail-p Prov){ aut-pn = st.tail-pn and Doct = HOLL, pilhe Dtopi AF the - D top - aux; return oilhai

5

2 9 20 25 30 35 45 50 60



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35 35 50 30 % 60

30 70 79 30 25