```
# define DIM 256
struct _TWO Stocks
      Elestock & dotos [DIM];
       int topsi; 11 podia hober usodo in omas
        irt top sij.
/ * E ste TAD utiliza m array darde ma pila usará los primeros posiciones y
  la segunda pila las viltimas #/
 TWO Stock * tracostock - ini () {
     TWO Stock + t = NULL',
      t = (Tuco Stock * ) molloc (size of (Tuco Stock));
        sprints (stders, "9. ", stremor (enro));
       noturn NVLL;
       gor(i=0) i < DIM; though i++) {
         1-> dotos [i] = NULL;
       t-> tops1=-1;
       t-> topsz= DIM;
       neturn t;
) Bool toxostock is Full ( worst Toxostock * 1) Trype stock stops ) &
      ig (!t) notworTRUE;
       ig(t-stops1+1==t-stops2) return TRUE;
      noturn FALSE;
) Bool twostock - is Empty (const Two Stock * +, Type Stock stips) {
      is(!t) return TRUE;
      ig ( stipe = = STACK 1) roturn (t -> tops 1 = = -1) j
      else return (t -> top or = = DIM)
```

```
Vineo de los Heros 2-3
5.) STATUS tulestock-push (const Ele Stock to, Tuspestock stipo) {
         ig (! e II! t) return ERROR;
         if (trusswek_is full (t)) return ERROR;
        Ele Stock + oux = NULL;
        oux = elestock - copy (2);
is(: oux, notion ERROR);
is( stipo = = STACK1) {
            topol++j
           t -> doto[t->top>1]= oux;
         noture OK;
6.) Elestock * truostock-pop (Txcostock* t, TypeStock stops) {
          Elestock * Aux = NULL'
        ig(! ( 11 truestock_isfull(t)) return NULL;
         if ( stipe == STACKA) {
             oux = t -> doto [t-stop s1];
             it -> doto Ex -> top or = NULL;
            大っtopol=->
          3 else & = x + foto [ t -> top 52] >
               Ladolo [t= top 02] = NULL;
              1-) top or -- j
     neturn our;
 7.) int elegant - print (File + 8, const 7 xce Stock + 1, Type Stock stipe) &
        int cont = Oij
        is(! & 11! 1) return 0;
        ·y(styro = = STACK1) &
         gor(i= st-)top ni, $>=0; i--) &
            cont+= Ele Stak_print (8, t-> doto [i])
             cont + = Sprint & ($11\n11);
            gor(i= st-> topoz jiz DIMji++) {
         else 5
               cont += Elestock - print (8, 7 -> doto [i])
                cart t = Sprint 8(8,"\n");
        noturn wort;
```

```
8.) void trustock-destroy (Trus tock * t) f
         ig (!ft) return;
         800(i=to topol)i>=0;i--)&
            elestock-destroy ( ( > dotos [i]))
         gor(i-to topsi) ic DIM; i++) f
           elestock - destroy ( 1 - dotos [:]) )
        gree (t);
     int moin (boid) {
inti)
        Two stock & 1 = NULL;
Elestock & ele = NULL;
1 = two stock -ini();
         ig(!t) return EXIT_FAILURE)
          ele = elestock_ini();
          is(!ele) &
            Like stock - destroy (t);
              noturn EXIT_FAILURE;
        elestock-set Info (ele, 8 i);
        two stock_ push (ele, t, STACK1);
         にこてら
          elestock - set Ingo (ele, &i);
           the otock-push (ele, t, STACKZ);
        tweesteck - prix (stant, t, STACKI)
         tokkostock-print ( stant, t, STACK?)
       Likertock - destroy (x);
         elestock - destrois (ele);
      return EXIT-SUCCESS;
    z
```