Relación Ounde y Vencerós Ruben Colvo Villeton - Algorithmeco G.D Ejercicos. 1) alk]=K Int se Comple(court vector courts &v, out me, out for) [int pos = -1 / int mited = (ini + Sin) /2; IS(VEINIZ == INC)[pos = (u); if (mi (= gm) { ut post = selemple(v, un, unted); int pos2 - selemple(v, unted+(, fin); of (post != -1) retur post; if(post (=-1) return posiz;

return pos;

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3) Orderer resultados
  int Ordere Cuceror conts Ru, out privace, out strue ) [
     out intercombia;
     out pos-prote = provero;
     cut velor-prote = " (privero );
   fortute = prover +1; ice oftens; e++>2
       if ( vti ) < volor-prote ) {
           pos-protet+ 1
            intercembra = Utili)
            VEIT = VE pos-proted;
          vcpospwore] = (utercombie)
    intercembre = vtpmwero);
    i I stong-209 Iv = Cosenati
     vtpos-pivore) = interconulsia;
  return pos-private;
and QuickSort ( vector couts &u, out on, out for ) {
   18(m-for 1 = 0)[
      out pos = orders (viu, fu);
       int unted = pos;
      auchsort (v, w, unted -1);
     and Sort (v, unted+1, fin);
```

Ordena Resultabs (reevor a vectorants > res) (for (auti=0; i e res. sixe(); c++){

Quell Sort(resCi), Q, resCi3. sixe()); 4) torullos y tueros 11 Suporneuros implementada la función privote void Our (vector cout > Evel, vector couts &ve, out our, out for) & if(fiv- in 1 = 0) { int piv = Private (vl, in, fin); unt eleu, pos; bool enc = Palse; for (ut c=0 ; cc v2 size() &&! eur ; c++) illustis = = ultpusse pos = i; euc = twe; dem = vztpos]; 126 bol = 12 Ein 34 vitinis = elevi; Prote(vz, in, fin); nut wited = (in + fin) /2; Une (vf, v2, in, unted); Unit ut, uz, unted + 1, fin);

5) Subsecuencia mayor of in vector vector cout > Subseque colleger (coust vector cout > &u, out our, Vector cout = rec; 18(101 = = Pa) { res. push beck (vt. v1); Jelse S vedes out? Coving, loudels; auted, lancentro = 0, 0, wited - Cini+ Pur)/2; lang = Subsequentleyor (your, wited); loudle = Substance loyer (, in took (, Su); il (v Tunted] < v tunted + (3) { c= unted; loncentro = 2; while (i > our 28 vt17 > vt1-13) { Concentro ++; res. posh-beck (vtis) c= united +1) while (i < fin & & vti3 < vti+13) { Carrente ++; res. psh-back(vtis); 3 Mordenor res (granda la secuencia pero en orden: if (burg six) > lacentro 88 lang six () > landh six() of lander. sivel > lancer to 88 buth sivel > burg. stell) return landly retru resy

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6) Sura viayor de secreta
out surallagor (court rector cut > 80, cut in, cut fail
     lut some = 0;
    13( m == gu)
        some = ucini3;
    elses
      eat somedely, some 199, united, somecentro =0, c;
       wited = (w. +fix)/2;
       sure 179 = swellogor (v, wi, mited);
      smadel = smalleyor (v, wited+1, fin);
       i = unted+1; jut volor = 0;
      while (i < fin 88 (valor + surecentro) > surecentro) [
             sure centro + = volor;
             volor = Vtili
              c++ i
       c= united; velor = 0;
      while (i > in 88 (volor + sourceako) > sourceako) {
              succentro + = volor;
              velor = vtis;
    sume = sumecentro;
   If smerzy > smecentro 8x smerzy > some och >
    of ( smooth > surgentro 88 smooth > sme 179)
            some = smedle;
 return suma;
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