

int of Promove Ultimo (Fila of, inti) } if (f== Null 11 f-> Numelem > f-max 1+pns-1) & Return felse; Int 7:0; int plm = f-> plms[f->fim]; f-selms[f-sfim] = NULL while (12f->max[tens-1) {

1f(f->elms[f->fim+i]==f->max]tens-1) { f-> fim+=1; if (f > fim == m f-> mox I tens -1) } f->fim=0; if (f-> elms [f->fim+n+i] = # NULL) 3 f-> plms [f->fim+n-i] -dm; Return true: 3elses Return false if [f-2 elms[f->fim+n]== NULL) { f-> elms[f->fim+n] = elm: f->fim= (f->fim+n)%f->maxftens+; Return tive; 3 else 3 Return folse; 3 JORDARINGS -



int a Punir Primeiro (Fila f, int n) & If (f == NULL 11 f-> Num I tens > f -> Max & tens-1) } Return falses int iso; intelm=f-> elmo[f-> inicio]; f->elms[f->inicio] = NULL; Wnilelicf-> mox I tens -1) & f (f->fim-1==0) } f-> inicio = f-> max I tens -1-(n-1); if (+-> elms[f-> inicio]== NULL) { f-> plms [f-> inicio] = elm; Return frue; 3 else 9 Return false, if (f->elms [f->inicio-n] == NULL) } f->elms[f->inicio-n]= elm; Return true, 3 else & Return false;