Program 4 H include < statio hs # michide & stallib - h # define s 3 wit front = -1; cuit grear : - (;
cuit Junelle [\$]; Loaid Enquere (and, int); mit Deque (int); vaid display (und); unt main (int arge, chor * + cup/ Mit choice, SIZE; uit item; precity ("Enter Me age of quelle \n"); scarf (" %d', & S12E); do (punity I' In I. Enjoyed in Quene 1/ puill (" In 2. Relete from duene 1) puint ("In 4. EXIT In") of the content "/; puint (" Enter your Choice: ") dranif (cliquice) (cise! if (1 front = 20 dd revor = 2 312 E-1) (front >= deal +1) puints (" Duene sid full 4); Wiceob ; print !" Enter the element you want to insent

```
frant (" " lod", & clair);
    Enquere ( SIZE, cley);
     week;
 case 2: leur = Dequeux (51 E);
        of (item = = -999/
puint ( " Dunce is empty --
          pluily (" blusved element from duece "od m", item);
          greak;
     case 3: display (5/2 E/;
      cose 4: printy (" Pentry);
             outto);
       elfault: prinif ("INUALID CHOICE!");
brieski,
    3 while ( chair! = 4);
Usid Engue (int 5/25, unt ele)
     if ((1 front = = 0 & & herr = = 512E-1))
         punts (" Suere is full");
      3 cle L
          Mesic > Great + 1/ % 5126;
           quill [ repr ] = de;
            if ( front = -1)

7 front = 0;
```

```
unt Doguene ( vit S(2 E) &
         iet ilen ;
         if (1 front ==-1) de ( mor ==-1)
           nelva (-9991)
         elde L
             ton > que [ front];
                front = -1;
                 decore = -1,1
             else L
               front = (front + 1) =/0 512£;
           return item;
  toolid display (int SIZE/1
          if ((( front = = -1)) de (repr = = -1)))

e printf( " anew is empty");
              ereturen;
             print (" Dueve Gutents: ");
             for (i = grant; i! = scoor; i = (i+1)90 812E)
           poring (" ) od (+, quene [i ]);
            parinty (" "(59)+"/, generic (; )/;
```