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Algorithm for Circular Over.
11 Ginavas quare implementation m C.
I define SIZE 5
 int front = -1 , rean = -1;
 11 check if the greve is full.
  if ( I front == near + 1) 11 ( front == 0 fl man = SIZE - 11)
       seturn 1;
     11 check if the greeis empty
 int is Empty (15
if (front = = -1) setum 1;
 neturn O;
 11 Addmy an element.
   void enforce (int element) &
   printf ["In Overe is fill! In"),
else &
       if (front ==-1) front =0;
        Near = ( near +1) / SIZE;
       itemstranj = element.
      printf ("In Inserted > 1.d", element );
```

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1/ Removing on element
     int de Queve 1) {
     int element.
     if (is Empty (1) {
      print (" Ovene is empty!")
        10tun (-1);
          3 else S
        element = items [front];
         if (front = = near) {
           frunt = -1;
         front = (front +1) 1/522E;
           printf (" Deleted element ) 1.d (n", element);
          seton (element);
11 Display the green
          void display () &
             if (is Empty (1)
         else s
         pointf (" Front -) T.d", front);
          prm+f (" Items,");
          for ( i= funt; i!= near; i=(i+1) 1. SIZE ) {
           printf ("Id", items [i]);
       2 prints ("1-d"; tems [1]);
prints ("Rear -) y.d / rear);
```