```
Pseudo wde -> armar queue
 mrunt position=1
Next position = (i+1) XN
Previous Povition = (i+N-1)%N
A (SIZE)
FRONT = -1
REAR = -1
Is Full ()
if (hont == (rear +1) 7.N)
 return true
alse
                                             Engue (x)
return falu
4
                                              i] (15 FuU())
(Emply ()
                                             prints ("Q is full")
                                             else if (Is Empty ())
if ( front = = -1 44 rear == -1)
                                             front to Tearto
 Titurn true
                                             else
 ulse
 return false
                                             7607 - (76017 +1)1.N
 ነ
                                             Alrunjax
  display ()
                                           Dequeue (n)
  if ( front ==-1)
                                           if (Is Empty (1)
  prints -> fame is Empty
                                           print -> quie is empty
                                           ukeij (front = = rear)
else if (rear >= front)
                                             x = A(front );
    for (i=front sic=ovar ; i++)
                                             front = rear =-1;
      printf (" %ollo", ali ));
                                           ([thout])
 ulse
                                             hour = [hout +1]]. N;
       for (i = front sicsize si++)
         printf (" ".d \n", a(i));
                                             return >;
       for( 1=0 ;ic= reat ;itt)
          printy ("Idin", ali 7);
```

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