Queue: Iki yonden harekete izin veren dizi yapısı: First In First Out : Fifo 124 8x+ 2x+ 1x+ 0x - 109 \* Push Silme i Fleni on taraftan: front Ekleme i slemi arka taraftan : rear Front PUSH () 90P () (frocal) (Remove) Kodlama Teknizi, (Evrimse) kuynuk teknizi) mod 5 = mod S126 9+ front - 5(2E-1 9-> rear = 5128-1 PusH(22) ~9 → rear +1 q>rear: 0 POP () 1+ thonac p Q = + non+ = 0

## Operasyon br:

- 1 ls Empty / Isfull
- @ POP (Leme)
- 3 PUSH (Insert)

## Ven Yapısı:

Struct queue {

double items [SIZE];

int front;

int reor;

Test: Kuyruk Boş mu?

bool 18 Empty (struct \*q)

if ( q > front = = q > rear)

```
return trues
     return false;
Z
  Queue Ellene: PUSH()
void insert ( struct queue *9, double x)
{ if ( (q > rear)+1) ×SIZE) = q > front) > qift yonla pointer
   { printf ("Kuyruk dolu ".1 f elemon eldermedi! \n", n);
   else
        q > rear = (q > rear +1) / SIZE; > moduler telenik
        q > items [q >rear ] = xj
 Queue Gikarma (POPC)
 double remove (struct queue *q)
          if ( I Is Empty (q))
                a > front = (a > front +1) x SIZE;
               double d = q zitems [q > front];
             return di
           3 else
            & printf (" Kuyruk Box, Elkarma
                        yopilana 2 10 ");
              return Oi
```

```
9-2 front = 312 E-1=4
                 Act
                  9-) rear = 5128-1=4
           reac
                          5=0 mo2(5)
                9 rear ++ >0
                                   Arr LO3 = xo
 PusH(xo) \rightarrow
 PUSH(x1) > q=rear++== 1
                                    MX = EIB NA
 Push (x2) -> 9-1001++ -> 2 Arr [2]=x2
                          5=0 mo25)
 PoP() > Q = ++ (non) = Pol)
  POP() - 4 - front++ -1 Arr [1] = Null
  POP () =>
 Dazguma
                      (strut queue q)
Version!
  void print Queue (Struct queue *9)
  ps ( (p) ytqm3 ei) sinku }
    ? prm+f (" x. if ", remove (91);
  3
int mam ()
& struct queue qj -
    9. front = SIZE-1;
    9. rear = SIZE-15
    double d = remove (Sq);
    Insert (89, 0);
    Insert (Se, 1) i
```

d = remove (89);

print f (" Geluler Eleman = x.1f \n", d);

print bueue (9);

return 0; 3 Uyguloma Dersi:

Sorut: Kayragun en bûyûk elemonn, re bu elemonn zirazin dândûren fonksiyonu yazınız.

SORUL: Kuyrultali demonlarin ortalonomin, alon forlisjon yozna

SORUS: Kuyrulutalus en bûyûk elenan en ône getinon re sonnen olmone yortdiren forhsiyonn yortnir.

Soruh: ille da sorum yigit ( steel) iam de quedniz!