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Kuyruklar (Queues) FIFO (First in First out) Bogli Listeler ile Implementasyon typedef struct ? int ont; struct node * rear; ?queve; void initialize (queue *9) { q-> cnt = 0; int isempty (queue x9) } return (q - cat = = 0);1) Emueue (Kurjuga Eldene) void enqueue (queue xq, int x) { if (!isfull(9))} struct node *temp = new node (); temp = next = NULL;

3

9->cn++; if (isempty(q)) q->front= q->reare temp; ebe { q-rear-next=+
q-rear=temp; 3

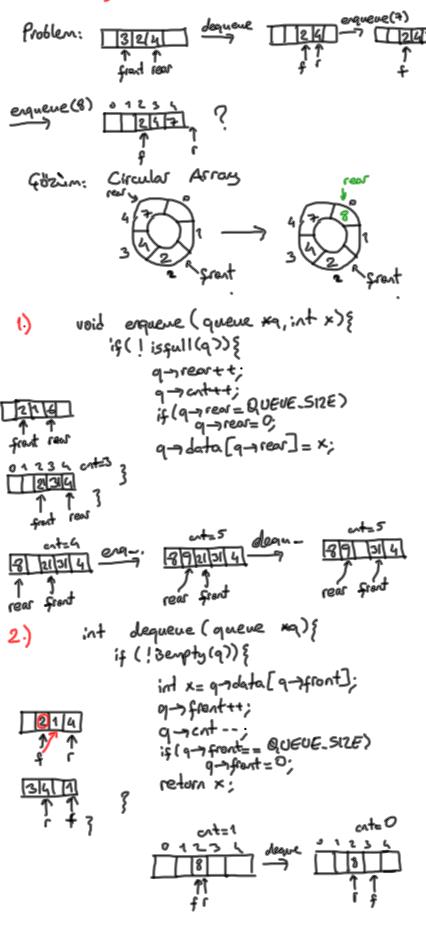
temp - data = x;

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```
2.) Dequeue (Kuyubtan Gikama)
    int dequeue (queue *9)}
          if (!isempty(q)){
              struct node *temp=q=front, int x= temp=dotta; on front= temp=next,
               free (temp);
              return x,
     3
     # desine QUEUE_SIZE
       typelef struct {
              int reas;
              int data [QUEUE_SIZE];
        3 queve;
        void initialize (queue *q) }
              9->front=0;
              9-> reas = -1;
9-> cnt=0;
```

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Array Imp. The Knyruk islemleri



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```
Soru: Veriler bir stringin palindrome olup olmadigini
 bir stack ve bir quene kullanarak belirleyen
 bir program yazınız.
     Ön: Ey edip Adana'da pide ye.
 Not Noktalana isøretleri, bûyûk harfler ve boşluklar
       ihnal edilir.
 main ()}
       string the string;
       queue 9;
       stack s;
        infialize_queue(&q);
        initialize_ stack (&s);
        int 1=0, mismatches=0;
        cout << "Bir string girin";
        cin >> the string;
        while (12 the string length ()) {
              if ( Isalpha (the_string[]) {
                 enqueue (&q, tolower (the string (i)), push (&s, tolower (the string (i)),
        while (lisempty(q)){
           if (pop(&s) = dequeve(&q))}
                 mismatches=1;
                 break;
           3
        if (mismatches == 1)
         else cout << "Palindrame dégil".
3 //moin isin
```