```
المدين سرى معم
int top1 = 0, top2 = n-1
                                 D کے چنہ دار [0] ودگری راز [۱۰] در تطری کریم. /
    push 1 (n)
                                                Push 2 (x)
                                           1. if (top1 < top2-1)
 1. it (top 1 < top 2-1)
                                                  top2 --
        top 1 +-
                                                   arrtop2] = 21
       arr[top1] +x
                                            4- else Error ("overflew!")
 4. Clse Error ("Overflow!")
     Pop 1()
                                                Pop2()
                                           1. if(top2 < arr. size)
 1. if (top1>=0)
                                           2.
                                                   int x = err [top2]
       int m = arr[top1]
                                            3.
  3.
                                                   top 2++
         top1--
                                            4.
                                                   return u
  4.
         return a
                                           6. else Error ("stack is empty!")
  3. else Error ["Stack is empty!")
Stack 51,52 . m21,221s FIFO, Col
                                            (2) هَمَا تَرَبَى وروى را بالاي stack وارورهم ا
                                                 · resides santles sassingis a cipi
       enauve (n) -(0(n))
 2. while (! 51. empty()) //2/5 dis 52 1,51 ; ) | besigns as
                                                     (Ou) de Queve ()
                                                     1 if (SI. empty)
 2. | 52. push (51. tap()) 3
3. | 51. pop
                                                          Error ("Queve is empty")
 4,500 PUSh(m) //20/1001 52 11 10000
                                                           int u = SZ. topi)
 5. while (! 52 . capty()) 11 into 545, 2 ! book 1
                                                     5- 52. pop () $
      | 51 . push (52 · topl))
                                                      6. return u
 7. (52. POP ()
 Queve 91,92/stack_size=0 m21, 12/3 LIFO, il posopio Quevel (50) con cirio (3)
      Push(n) -> O(n)
                                                           POPL)
1. Stack-Size ++
                                                       1. if (91. empty())
 2. 92 . Palkatu)
                                                              retun -1
                                                       3. else return 91. front ()
 3. while (! 9, emply ())
     1 92 enQueve (91. front());
                                                             POP()
                                                      1 it (91. empty(1)
 5. | q, decarere ()
                                                             Error (" stack is supry [")
6. swap (91,92)
                                                              | gn. de avere ()
| stack-size --
```

```
POP ()
       Push (a)
                                                In if L. top == Mull
1. Struct Node *
                    tmp = mallae (Size of (Nodey)
20 tap dato = 9
                                                     Error ("Stack is amply!")
3. top-next = L.top
                                                3. Obe
4 ditop = tmp
                                                       temp = top
                                                        top = top - next
                                                        temp -> next = Nell
                                                        free (temp)
       reverse()
                                        4. while (coment != Null)
                                                                         (5
    Node * current = head
                                              | Next = Corrent - next
    Nede * prev = Mill
                                               current -> next = prev
3. Nede * next = Null
                                           head = prev
                       ((a+(b/(ad))) + ((a-b)/((c+(d+e))-(a/b-c)))))
```

