und main () & shuet node & head allee (single of C struct now); head -> data = 10; gung head ptr= noull. struct node + Arail = malloc Csinge (struct node) cour tail -> data = 20; \$ pa toid -> ptv = NULL head -7 ptr = bail *find TP for FCN)= S FCN(2) +1 n>1 TCN)= TCr/2)+1 = + (n/2) +1+ | 00/ = + (r/a) + 2 =+(N4/2)+2+1 = T (N/8) + 3 = + (n/23) + 3= T (1/2 K) + K criq + Noon n=2 K

```
* T(n) = {T1 ( /2) + n2 n>1
Reverse given dist of elements [1,2,3,4,5] using
  single linked list.
& count no of nades in the distred dist. Dalette
& Dalut centeri dentad dist. [1,2,3,4,5]
13/1/23
Tend= at (Nb) +o(nk dag Pr)
i) a>b"= oCn log a) + (n)= 27 Cn-1241
ii) P=-1=> & (n log a log log (n))
 iii) P(-1 => @ (nlog a b)
     i) P>O=> @ (n log n)
3) alb K
     ii) P(0=) OCR ()
```

Annual marce

Struct moder pet Y;

Struct moder pet Y;

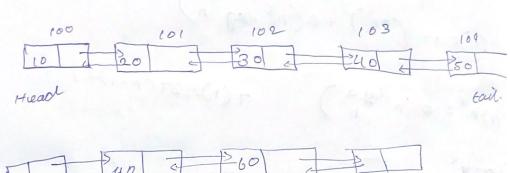
Struct moder pet Y;

Manual marce

DATA Line

Line

4 tail -> dink = nous



Struct voole 4 heard = malloe (sige (struct voole))

head -> data = 10; head -> B= NULL head -> Right= NULL

tail -> closta= Right tail -> Left -> 100CL tail -> Right -> NULL Huad -> Reght = Tail

Tail -> Luft = Head.



Dauble Dauble.

2+8+4=>14 2+(8+4)=7|4 (2+8)+4=>20.

What ADT IS USED TO BOLVE STACK ADT.