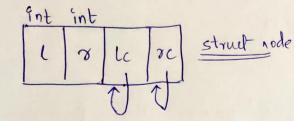


Structure and Diagram !-



Struct node {

int l=0;

int v=0;

bptr lc=NULL;

bptr rc = NULL;

-lypedeef struct node + bptr;

## Algorithm:

-radd Rarge() function;

- · It the given range doesn't already enist, It will create it
- · If given range is partially overlapping, it will just create a new node with un overlapped ranger.
- · It given range is completely overlapping, it will just return.

-> (earthRange() function !-

- · Almost similar to addRange function.
- · It any past of range doesn't ensist 9t returns false.

G. Vishwar

## -> delete Range ():

- "It given range is subset of range in whent node,
  it eptits current node into a nodes, encluding the
  range to be deleted.
- "It goven range to partially overlapping, delete the partial range in current node, and remaing range from children.