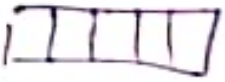
Sort an array Using Recursion.

array: 

Base case : if (n<=1) return;

We used 2 functions Here.

sort()
insert()

sort $\xrightarrow[\text{step}]{\text{induction}}$ insert $\xrightarrow[\text{step}]{\text{induction}}$ vector.push()

sort → ( , temp)

 , temp:

 temp

insert (, temp) {

if (a[n-1] <= temp)

 push(temp)

}

val = last element in array.

a.pop from array

insert (a, val) find new place

a.push that val.