```
Algorthim Height (T)
     Return heightHelper(T,T.root()).
                                                  O(1)
Algorthim heightHelper(T,V)
        If(T.isExternal(V)) return 0;
                                                   O(1)
Else
   leftH:=1+heightHelper(T,T.leftChiled()).
                                                    O(n)
   rightH:= 1+heightHelper(T,T.rightChiled())
                                                    O(n)
   if(leftH>rightH) return leftH;
                                               O(1)
  else return rightH;
                                                O(1)
over all time complexity is O(n)
```

```
function hight(T){
    return hightHelper(T,T.root())
}
function hightHelper(T,V){
    if(T.isExternal(V)) return 0
    else{
        let leftH=1+hightHelper(T,T.leftChild(V))
          let rightH=1+hightHelper(T,T.rightChild(V))
          if(leftH>rightH)
                return leftH;
        return rightH;
    }
}
```