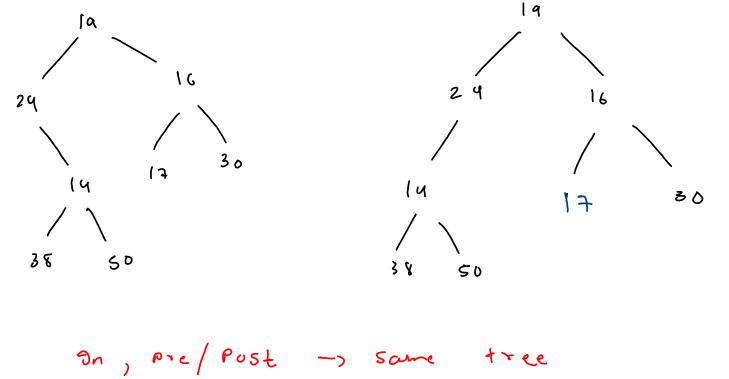
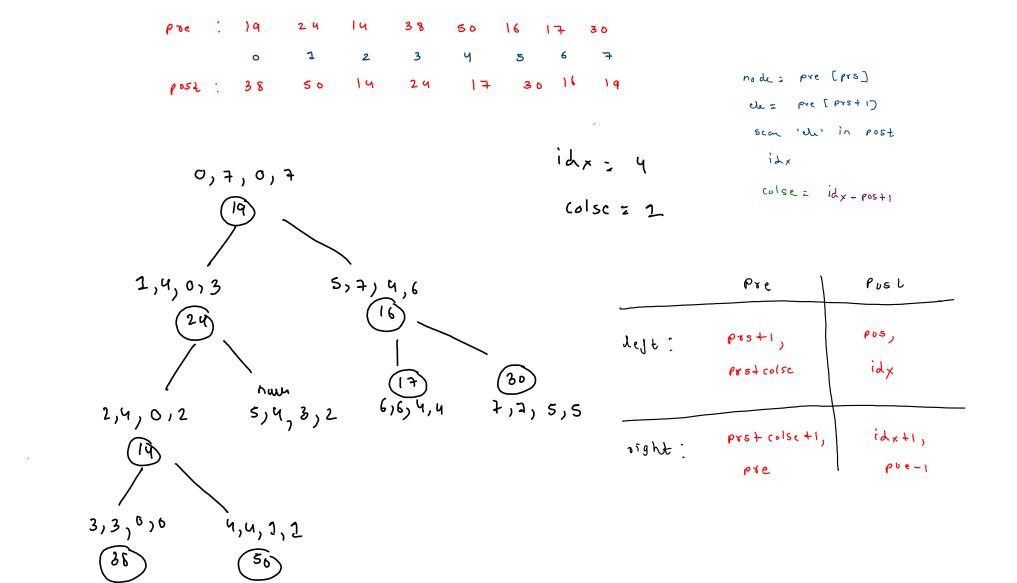
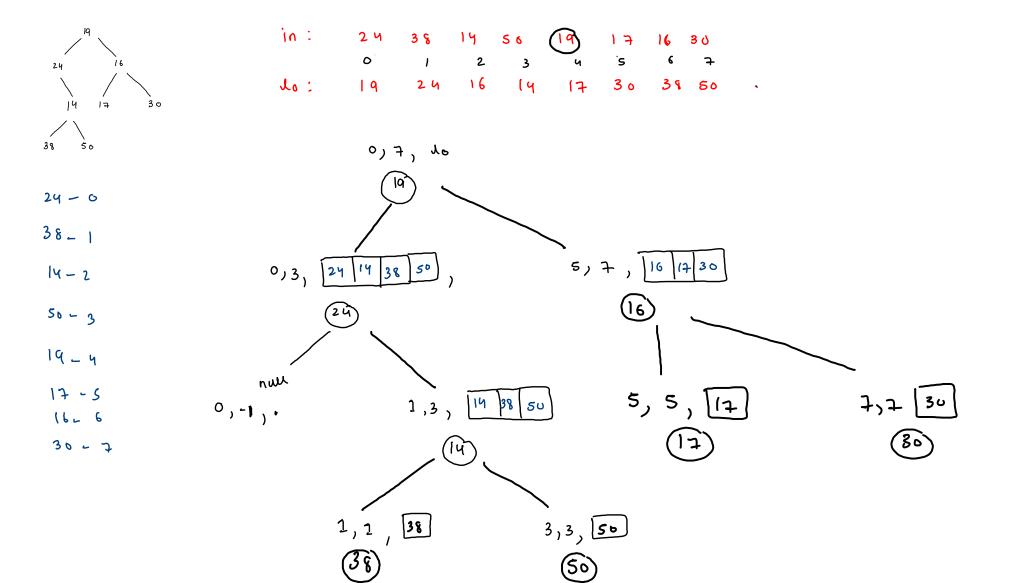


```
pre: 19 24 14 38 50 16 17 30
                1 2 3 4 5 6 7
      post: 38 50 14 24 17 30 16 19
          Pre
                     Pust
                                no de: pre [prs]
                                cle = pre [prs+1]
                    PUS
         prs+1,
degt:
                                 scan 'de' in post
                    idx
         Prst colsc
                                  idx
                                  colse = idx - post1
right: pret colset1, idx+1,
```



Pre, post -> some tree is not possible





```
void extract(int[]level,int idx,int[]llo,int[]rlo) {
   int j=0;
   int k=0;
   for(int i=0; i < level.length;i++) {</pre>
                                                               in:
      int val = level[i];
                                                                            24
                                                                                            14
                                                                                    38
                                                                                                  56
                                                                                                            19
                                                                                                                    17
                                                                                                                            16
      int pos = map.get(val); //position of val in inorder array
                                                                            0
                                                                                                                     `S
                                                                                              2
                                                                                                      3
      if(pos < idx) {</pre>
          llo[j++] = val;
                                                                                             16
                                                               Lo:
                                                                                     24
                                                                                                     14
                                                                                                                     ٥ 3
                                                                                                                            39
                                                                            19
                                                                                                             17
      else if(pos > idx) {
          rlo[k++] = val;
                                                                    4ر٥
                                                                                                                   idx=4
                                                                                                                     Colse = 4
                                440 %
                                                   24
                                                          14
                                                                  38
                                                                         50
                                                                                                                     Corse = 3
                                  7 do =
                                                                           30
                                                                   12
                                                           16
                                                                                       K
```