```
int deletemax (NODE auxII, int a) {
          ([[] The = x = DOON
           ( [n] rue = [i] rue
           (ングこしの了:か)
                         Lotter mastalted took to see su !!
            n=n-1;
            heapily (aros, n); I wo harpily after smapping and
            in martero
      z
 void hospily Prode (100E avoil), into) & // we don't top apily entire decta
                                                enty ancostors in this ben ction
           if (n <=1) statum;
           if Corrent-presently > our En/2]. Privarity) {
                    MODEN: ODERT)
                     an [n] = an [n/2]!
                      our (n/2] = 76;
           heapily Pout (000, N2); 1/We work about Gos ancestars
     3
 3 (MODE WOTE, into, MODE was) &
             れこへけり
             ; sew = [n] row
             heapilyford (coo, n);
              redum n;
       3
   } (lebeterny (NODE arrl], ird n, ird abold thi
               int p= - 1; 1/ pasition index
               for cirt C=1; C<=n; C+1) {
                     if courtilida == del) {
                             P=i;
                              kerak's
                 Z
                 if (p==-1) {
                      print(" in Element neet precont");
                       in men tose
```

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for Jackinting; ixn; (11) &
                 courtil; artist];
            statem cn-1);
   Z
300 main c) {
      The state of
      NODE COUR C500];
       MODE YEA;
       int n=0, temp, ch;
           prints ("In 1. Ensure 2. Display 3. Delate man polarity
       do E
                       coloment in balate clamont by value 5-6+3
                       Enter choice: ")"
            schafe"xa", &ch);
            suiten (ch) {
                 case 1: print("Enter element:");
                          scant C". d", & red. data);
                           prints ("Enter pricarity: ");
                           scent (".r.d", & val. privatey);
           /* F Enous case, too value ab down and poi orthey will
                    les came, : us con dako pocarity as vales
                    ab dad a it sell, This is because given in question,
                      14 ( sulley on der do value) +/
                              ne insert (aver, n, val);
                              broak;
                   case 2: point("Displaying PQ:");
                             print ("/d", arnti].dala);
                             book',
                            ( ( ( - = 0) E
                                  3. Send of C. arass is Employ ");
                   case 3 5
                               3-220
                                 n= deletemax (wor, n);
                              prints (" Element dellated is: 1. d
                                         with poisonty: "tdin"
                                       core En+1] data, core En+ J. pri eroky);
                                               Scanned by CamScanner
```

```
case 4: print ("Entres which element:");
                  Scand ("Y.d !; &rtemp);
                   n= datado Any (coo, n, temp);
                   ( sward
                  ox.4co;
          CODD 51
                   boroale;
           defaut: bowak;
3 while (ch! = 5);
```

3

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(O menter