```
Dey Run for n=4
                                        Total Stor
                              Stol
                      J
                      0
                                          3
                              **
                       0-)
                           水米米
                       0-2
                                         10
                             ***
                       0-3
                     Time complexity O(n2)
19
9
                       Space complexity: 0(1)
   92
        n=8
6
                                Total
        i J output line
à
                                 8
                    8 line
        1 0-7
3
                                 16
                    Eline
        2 0-7
C
                    8 line
        40-7
D
                    8line
0
         80-7
Time Complexity: 0 (n10gn)
0
9
      Space comperity: O(1)
(1)
   93 N= 20
                               NextCall
                               gec Half (10)
                 output
     call n
     ECHalf(20) 20
                     20
                               ERCHAIF (5)
    ExcHalf (10) 10
10
                               gacHolf (2)
    ZecHalf(5) 5
                     5
                              eachait (1)
    SecHalf(2) 2
                   2
                              sechalf (0)
   zecHalf (1) 1
    zec Half(0) D
                               ectuens
                                   Time: logzn+1
       Value: 20, 10, 5,21
                                   Spice! (Y ( log n)
         Recuesion Calls :5
```

n=33 fun (3) fur(2) -fun(1) funco) Estu funco) Est funci) \_fun(o) &t \_fun(o) &t fun(z) 7 fun (1) -fun (0) et fun (0) et fun(o) Eld fun(o) Eld Total call; 15 Time: Octobración O(2n) Space: O(n)

95 n=5 loop 80: 0,1,2 3 S j:0,1,2 for each; 3 K = 0,1,2, for each) 5 3 Heation = 3×3×3 -27 9 Time O(n3) 5 space ! 0(1) 7 3

-3

7

**-3** 

\_

\_3

-3

4 4 4