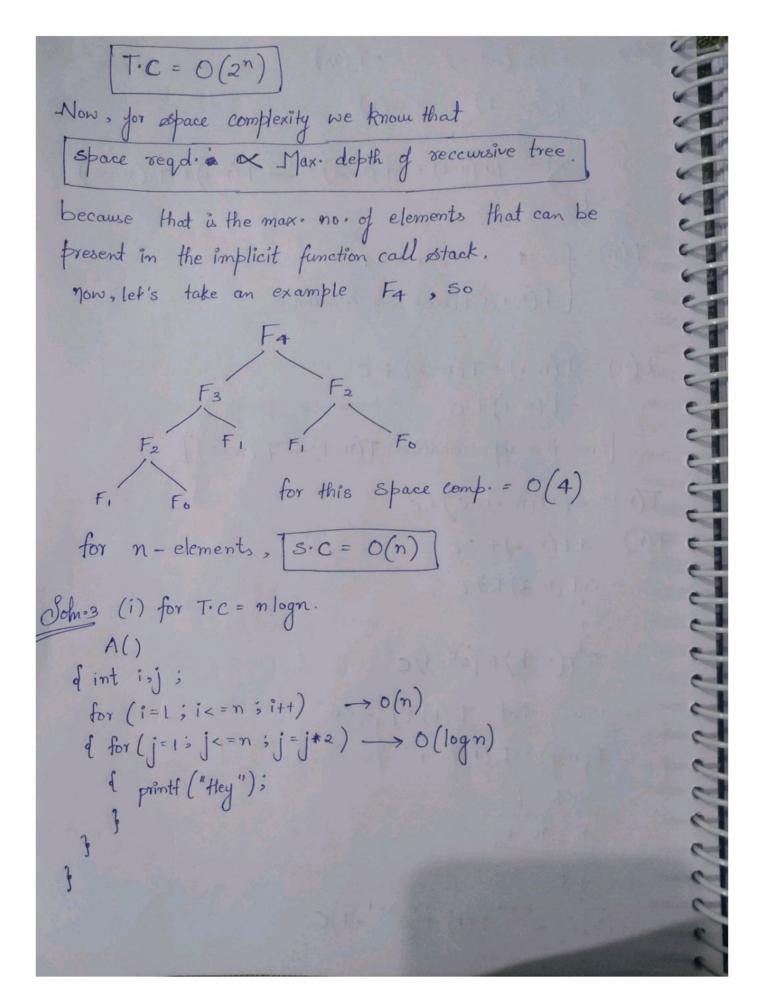


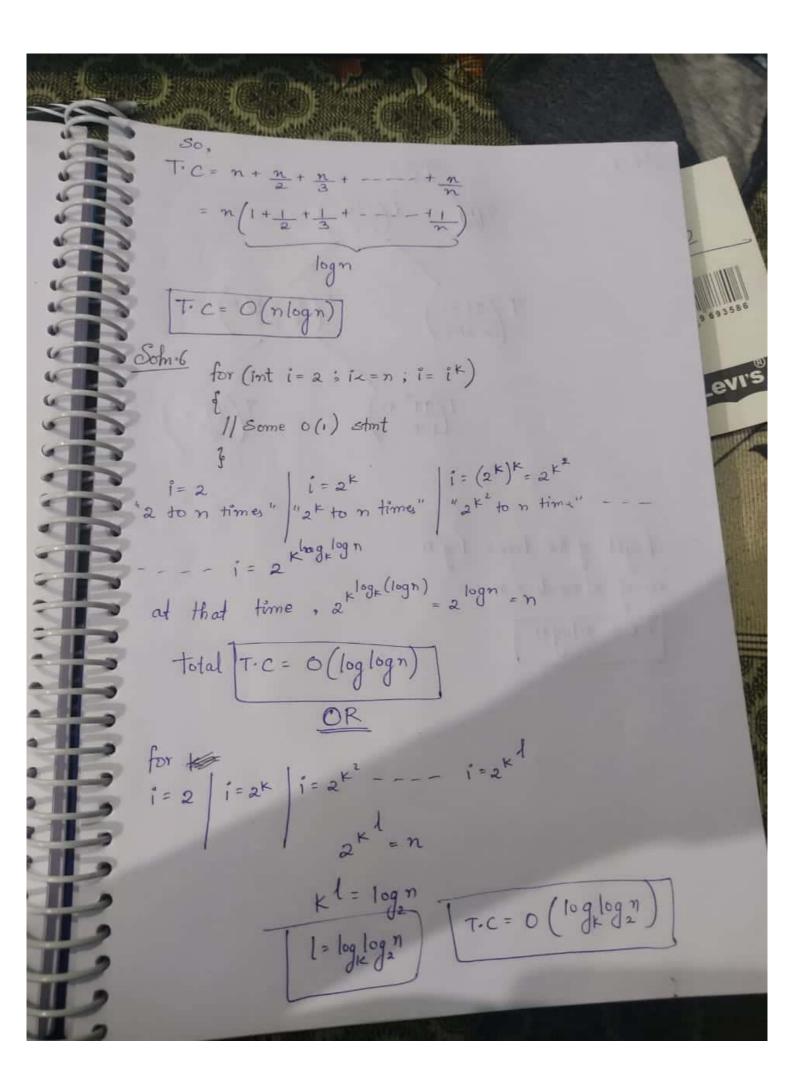
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```
Domis T(n) = T(n/4) + T(n/2) + Cn2
   7000, T(n/4) = T(n/2)
   So we can write this equation as
    T(n) = T(n/a) + T(n/a) + cn^2
    T(n)=2.T(A/2)+cn'
   Comparing with Master equation we get
   a=2, b=2, k=2 + p=0
  non [a < b*] so, # a < b* + p=0,
  T.C = O(n login)
       = \Theta\left(n^2(\log n)^\circ\right)
  T.C = 0(n2)
Som. 5 int fun (int n) {
        for (int 1=1; ix=n; i++)
        (for (int j=1; j < n; j+=i)
        1// Some O(1) task
  i incrementation dépends on i . .. We unroll all loops
  j=1 to n j=1 to n j=1 to n
                                                 " 1" times
 "n-times" " " n/2 times" " n/3 times."
```



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