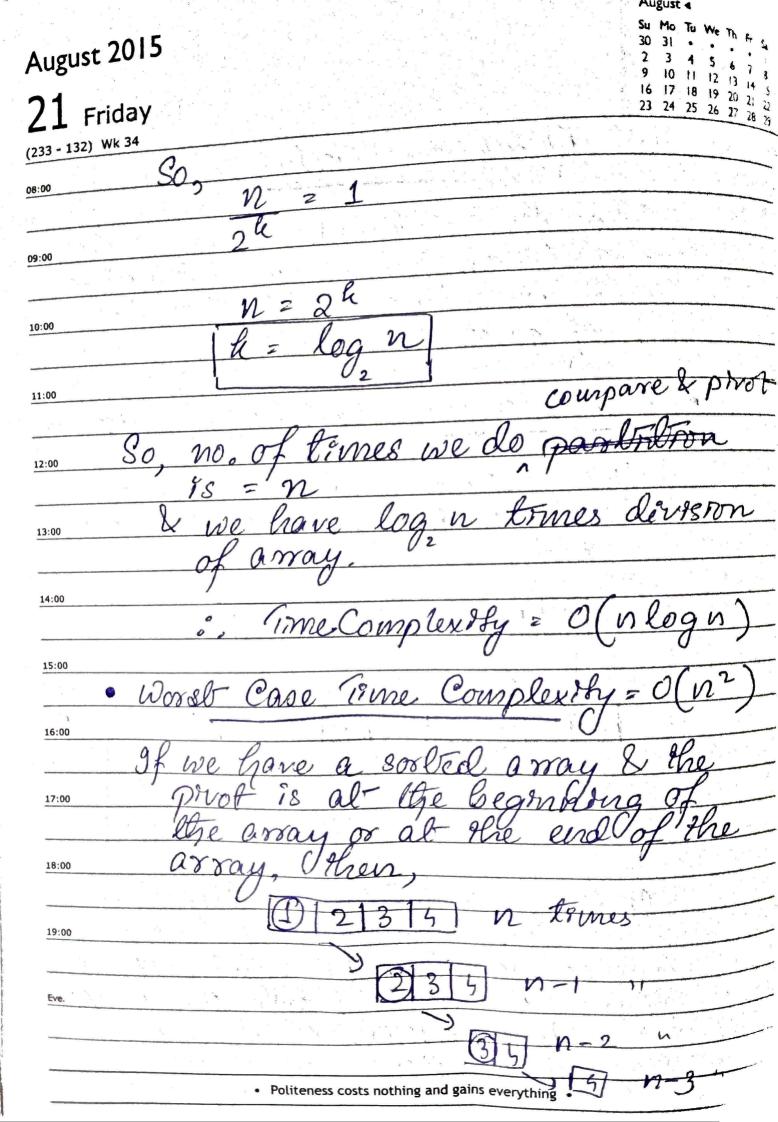
August 2013 ECB19035 Thursday 20 (232 - 133) Wk 34 Quick Sool Analysis Steps for queck Soot:

-> partition the array & set a pivot.

-> Recurrencely call left & right part

of prot to soot itself: · Best-Case Grupe Complex by = O(nlogn) Of we assume that the prot is always the median of the an (8) 2. height of recursive tree 19:00 · People who live in plass houses should not throw stones



(234 - 131) Wk 34

## Saturday 22

he Gnow,

 $n + (n-1) + (n-2) + (n-3) + \cdots$ 

> n(n+1)

=  $n^2 + u$ 

Here, the Time Complexity comes out to be O(n2).

Guick Sort Worst Case of

-- Select Middle element as life pivot.

23 Sunday

- Select Randon element as prot

<sup>·</sup> Possession is eleven points in the law ·

Su Mo Tu We Th August 2015 13 10 11 17 18 23 24 25 26 24 Monday Space Complexity (236 - 129) Wk 35 Quiele Sost is a recursive algorithm 06:00 il doesn't require any 09:00 space, bul 10:00 In Worse case, quelle sort may take stack size of n 11:00 Best case, quech sost may 12:00 14:00 15:00 16:00 17:00 18:00 19:00

August 4

Power comes from since