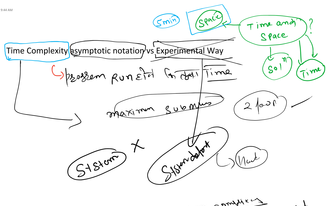
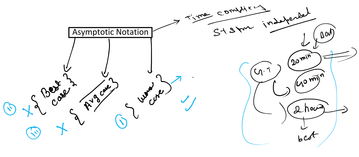
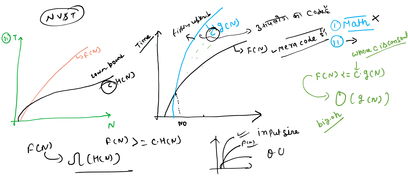
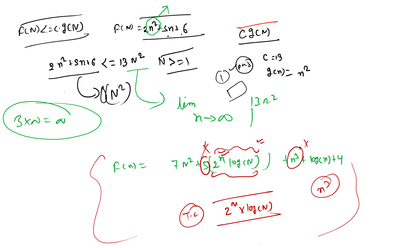
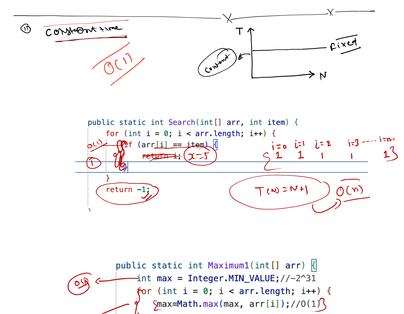

Time Complexity
Asymptotic notation vs Experimental Way
Space
Time and Space
Time
Problem Runtime for that Time
maximum subarray
2 hour
Statistics
Systems
Mind


Asymptotic Notation
Time complexity
Statistics independent
Best Case
Avg case
Worst Case
10 sec
20 min
1 day
2 hours
Work


Time
Input size
Mathematical Function
Program code
Machine dependent
Machine independent
Big-oh


Big-oh
Big-omega
Big-theta


Constant time
Fixed
Constant
T
N