CS & IT

ENGINERING

Algorithm

Analysis of Algorithms

Lecture No.- 02



Recap of Previous Lecture









Introduction to course

Algorithm Concept

Algorithm Lifecycle Steps

PAA

Topics to be Covered







Topic

Need to Analysis

[why & what]

Topic

Methodology of Analysis

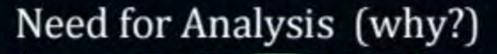
10w?

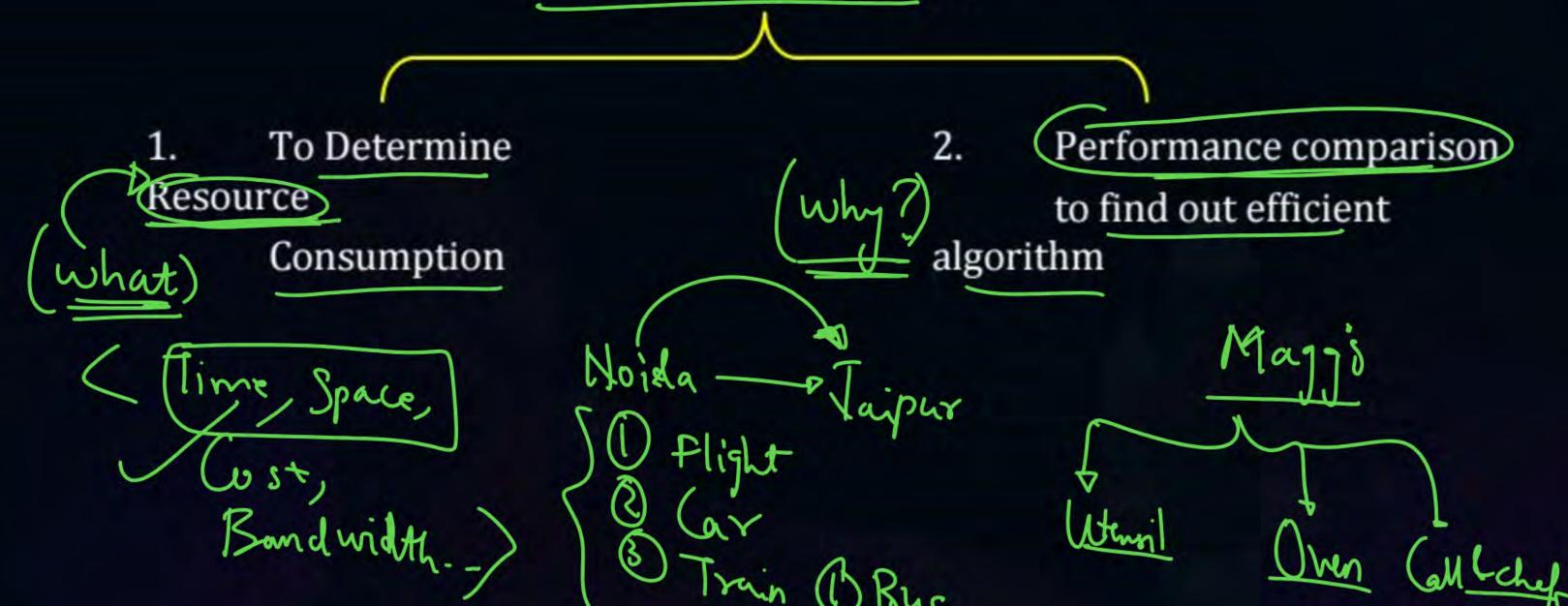
Topic

Types of Analysis

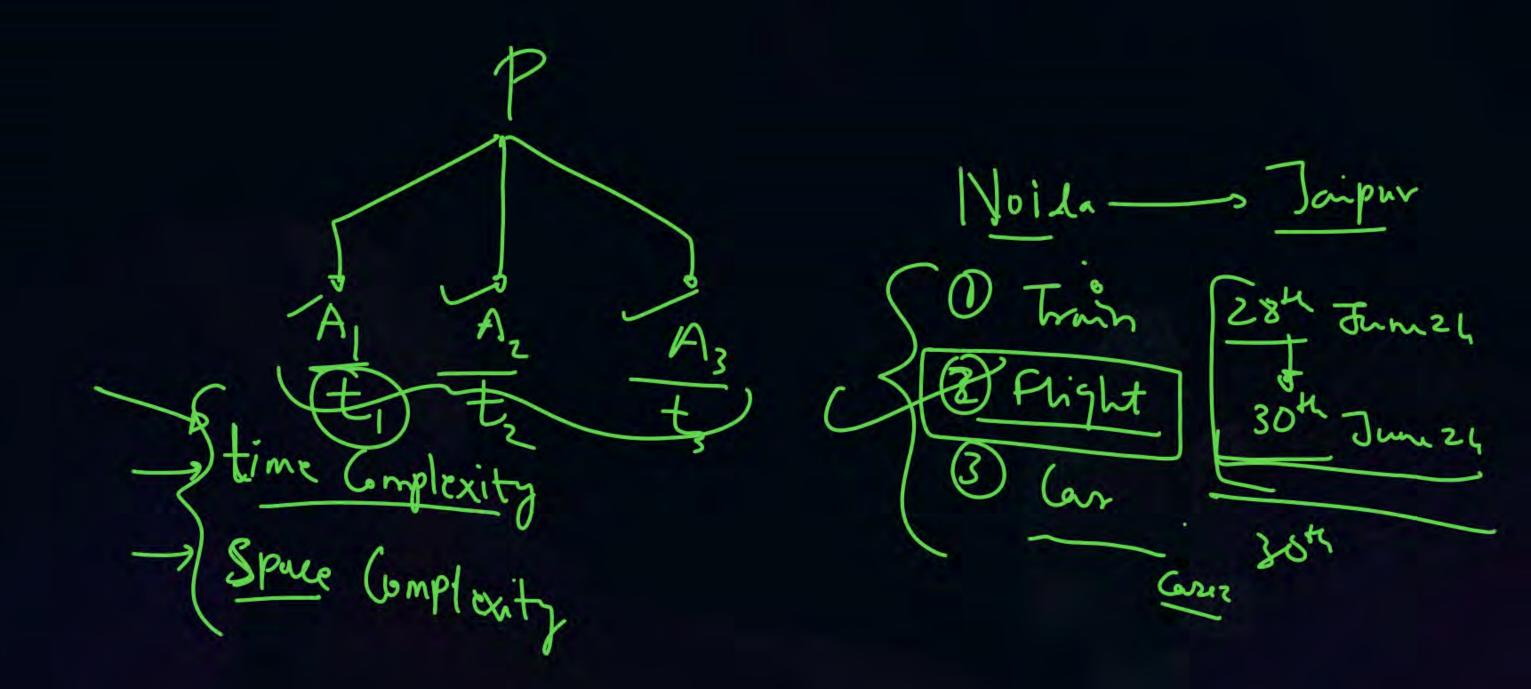












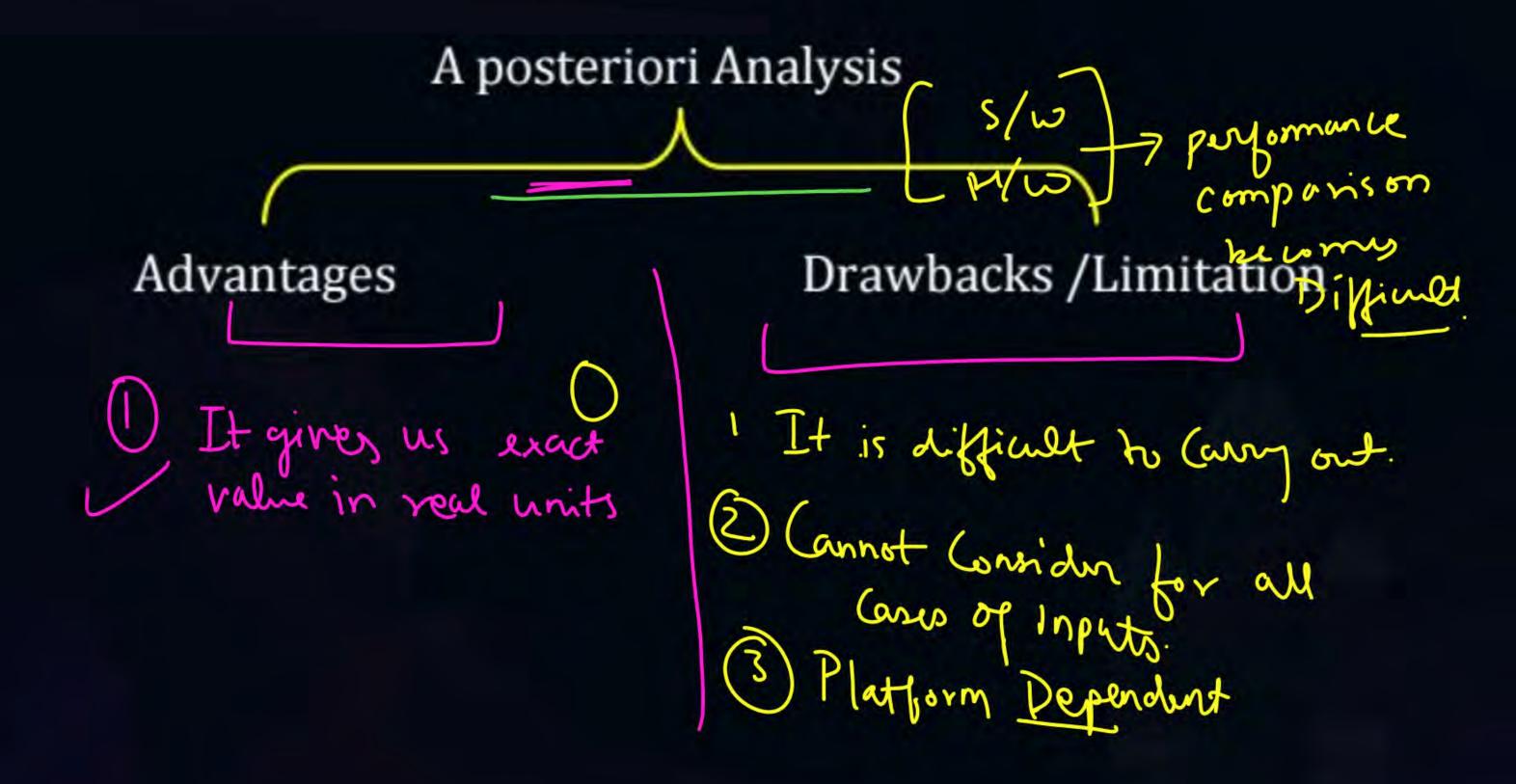


How to Analyse Mchodology) Aprion



1~

Depends upon	Ho Human Computer
Depends upon: a= b * C DEnvironment Depends upon: a= b * C DPlatform D Programming lang	Noida Dair
3) Hardwore - O (CPU)	How? Flight -> 2h
(memory,)	Oran Poly







Apriori Analysis
Apriori Analysis

Platform Independent

Analytic Framework:

- 1 Takes into account all the possible inputs.
- (Person

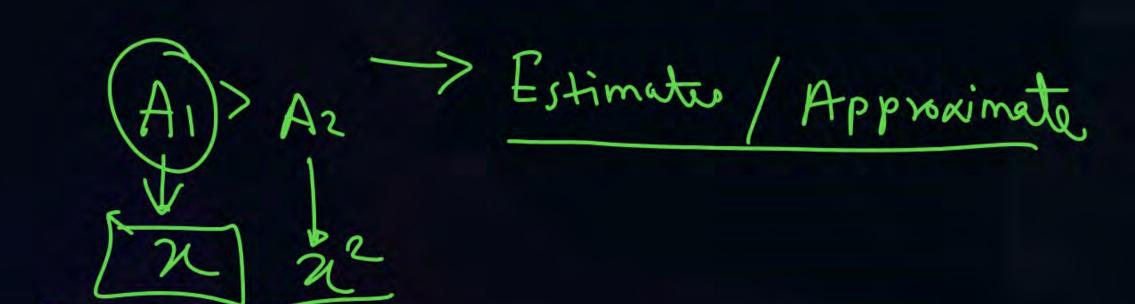
The can be carried out by studying the high lend 9 It is description of Algo without actual implementation. Pasy to cours out





Drawback: Apriori Analysis

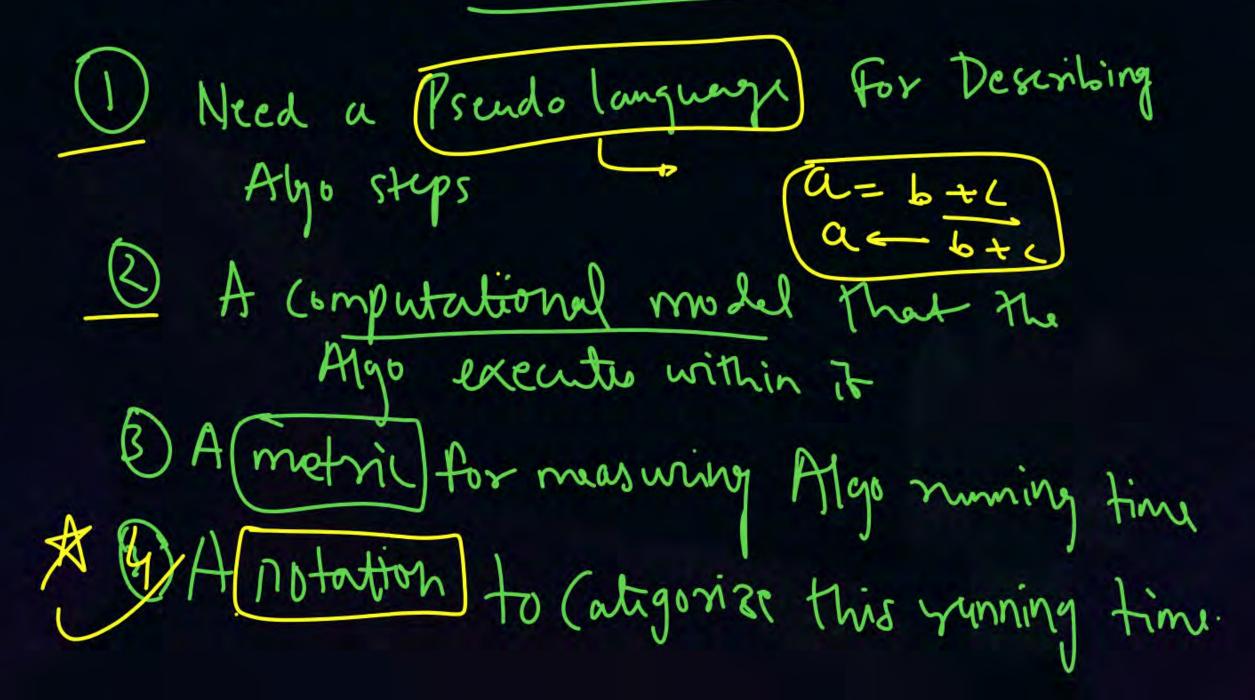
1) Will not give real/actual values in units





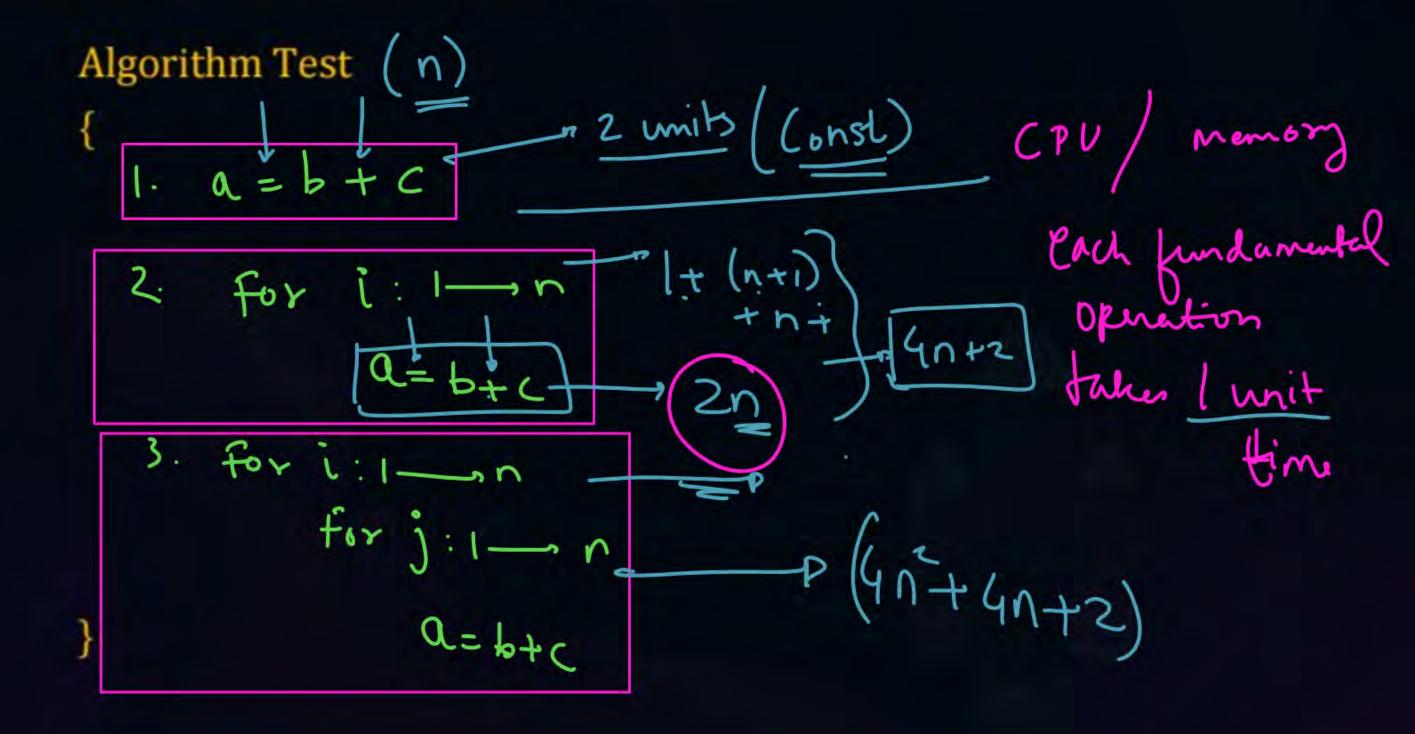


Components of Analytic Framework:













for i:1--n:

- Oinitialization: _____1
- & Comparison: ______ n+1
- 3) Updation: pn



$$= \frac{1}{\sqrt{n+1}} + \frac{1}{\sqrt{n+2}} + \frac{$$





Linear Search



2 mins Summary



Topic

Need for analysis (How, What and Why)

Topic

Analysis Methodology /

Topic

Examples



THANK - YOU

