Date: 25 | 63 | 2021

Black Board

Data Structures

Topic: Step Court Analysis e

&

A symptotic Notations (

(Big-0, Big-onega, Theta)

Goal: To perform performance analysis of -> How should we do it?
Ly option: Y do it for specific tech. La Bradze the DS. box not for a sperient markine. (Modern Comp). Low to describe it? To we wish to come the # of steps taken by algo 2) I we wish to express this step Court as a function of the size of data.

og Sleps depends of の二のナタラ Size of input -> n 2 (V) = 5 V, + 2 ET (n):= # of steps token by we eshnete an algo on an input of sine n. White one steeps. T(n) = 3n + 5Efficient DS: To perfor an openahm it farus Tim steps. and TIM grows slowly with M. Le Perform well for large 10,000 100,000} 0,00,000 10,15,...

Arolynic where we are interested in large They report Drolynic Step Court analysis Steppedick.