

SNS COLLEGE OF TECHNOLOGY, COIMBATORE –35



P, NP and NP Complete Problems



P Problem



· Y

Eg:

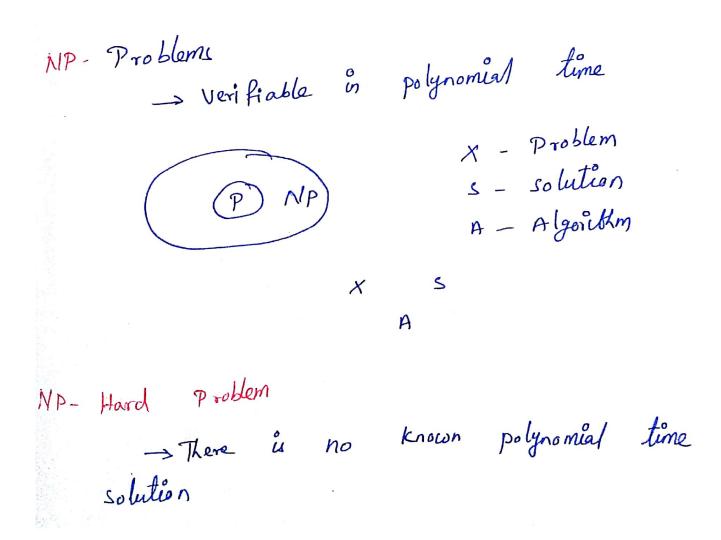
$$X \leftarrow A$$
 $TC = OCh^2$)

 $A \rightarrow alg - time Complexity whe'x!$
 $X \rightarrow i|p$



NP Problem

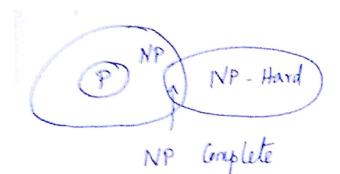






NP Complete Problem





- Not solvable in polynomial time - solution can be verified/verifiyable.

sabeet sumplim:

'S' is a set of integer find a subset of S' such that sum of elements of that subset is AN



NP Complete Problem

