· Deterministic > Each and Every Statement
is clear and known.

Polynomial Time Algorithm.

Non-Deterministic > Some of The Statements are not known.

( Non-Delerministic Algo. Algorithm N Search (An, key) j= choice() if (key=A[5]) Success () } Print (0) failure() P -> Set of those deterministic Polynomial time algorithms. NP -> Set of those non-deterministic Polynomial time algorithms. NP PCNP.

CNF-SAT · Satisfrability Problem Xi = {X1, X2, X3} -> 23 Possibilities 2° for n values. CNF = (X, VX2VX3) A(X, A X2VX3) Conjunctive Normal Form. ×3=0 · 0/1 Knap Sack Problem P= 910, 15,203 W= {4, 8,3} Xi= \0/1,0/17

