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	Date
	M00-5
	VET NP and NP complete
	VE.2 NP reducibility
	x
于	1st objective - find relation bett expenential time algo.
#.	Non-deterministic algo: we don't know how this is coorking.
	· this helps preserving our algorithm Prescarch. of
	converting exponential time algo to polynomial.
	entropy with any in the
	· basically we can just depict our idea in hon-determinishe
	algorithms.
	CONTRACTOR (See the contract of the contract o
*	eg: nondeterministic Search (AID, Key)
	2
	j= choice (); // non determinishe 1 unit +m
	$1+ (k=A \cup J)$
The	e write(j);
	Success (); // non deterministic - 1 time
	y
	(0) j
F	failure (); // non determinishe - 1 time.
	1 2 3 45 0(2)
	suppose I have an array 45 8 6 1
	and ice search for 8
	co- choice () will give me index?
	directly in
	Constant time.

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	P = set of algo that take polynomial time deterministic.				
*	P= set of algo that take programme time taking algo.				
+ P= set of algo that  +. NP = non deterministic polynomial time taking algo					
	O O O				
*	P is a subset of NP				
•0	4				
	and make any respired to the said and the said of the				
*	If we are unable to solve in poly. time				
	the the west need to show that they are termen				
	and can be solved in poly time, it one is solved				
	son he solved.				
	the need some problem as				
lotes).	base for problem.				
	=> base problem -> sansflability problem.				
	(2") CHF = satisfiability fusing boolean var x1, x2, x3}				
	CNF = (21 V 22 V 23) 1 (21 V 22 V 23)				
	C1 (2				
	21= {21,22,23} : for conat value of x;				
	the case formula is true				
50111					
	3 -0 - 110				
	o o 1 the values do be substituted in				
	Paralla .				
	O I O CHE TORMUTE.				
	0 1 1 0				
	1 0 0 = 2" +me				
	1 0 1				

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1 .. 1

I

also NP hard

and if we have NP algo for the algority, then it is

NP complete.

