

OKFCHRUE IFF JC Gh, CECLIQUE EVAL

Remember: PENP because checher can ignore centificate

3- Linensianal matching.

3-DIM = { "S,T,U,R" | R contains a subset that nentions each member of S,T, U exactly once?

The matching MCR that uses each member of 5, T, y ex. ONCE is The certificate.

Re problem check-match = { "S,T, u, R, M" | MER solves }EP

"S,T,U,R" G 3-DIM iff JM "S,T,U,R,M" & check-mortich cert. checher

se 3-DIM. EMP

NON-Leterninism in Cragrams. Given a jespo problem, allow a program to quess bits, costinione time step. per bit. int x = goess () / x gets 0 0-1. S.E guess returns an answer that allows the program He previoually say "yes" if sech exists. uses polynamial time

FERMINA-SAT ("9") / returns yes if 9 satisfies

FERMINA-SAT ("9 Alt (equivalent) let of NP:

LE PUP iff there exists a polynomial-time bounded
program P answering WEL questions, where guess(), I allowed.

LEP iff there exists a polynomial-time bounded oraginary Panswering WEL questions,