OVER MEM (REMEW)

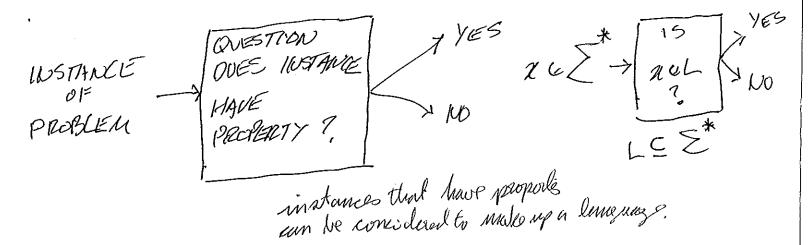
ALGORITHMIC PROBLEMS -> EXPAND ON TYPES OF PROBLEMS,

FOCUS ON DECISION PROBLEMS

SIMPLIST

AS DIFFICULT AS ANY PROBLEMS

COMPUTATION / SOLVTICA



BIG QUESTIONS

SOLUTION POSSIBLE

EFFICIEUT SOLUTION POSSIBLE

FINITE AUTOMATA
PUSH DOWN AUTOMATA
TURIUR MACHINES

SOLVABLE

TAXONOMY OF PROPLEMS
RECOVERED.

@ Q problem is a relation on I of instances S of solutions Q C IXS Pecision Problems YES NO gives a graph is it connected ? quien a Boolem formula is it sates frails? que, a Positive inter is it prino? Cumetion Problems. Enumeration Problem giver, a Perolan formula find all entitient assenments given or Drugh find all shorted gath Counting Problem given a forlan formula how many intificio, assignment arother. Optimization Prublem umentar questions:

To there an algorithm that as live problem?

Is there are afficient as that solves problem? Emelune fal questions:

Abstract Cribbons.

Maehine Model Computations.

SYNTACTIC

DFA

NFA

NFA & E MOVES

2DFA PDA HO MEM

E-NFA

PUSH POWN MEM

REGULANZ EXPRESSIONS

CONTEXT FREE GLANMARS

TURING MACH

MEM

UNRESTRICTED GRAMMARS

CO PSTRUCTIONS

CONVERSIONS

PRODUCT CONSTRUCTION MT)

SUBSET CONSTRUCTION MT2

(E-NFA GO NFA) NOTES

R.E. TO E-NFA ? KLEENE'S TIM

MINIMIZING STATES HANDOUTS

DPA TO CFG HADDOUTS

CFG TO CNF HAMPOUTS CHOMSKY M.F.

(FG TO POB NOTES

(CKY) MANORUTS