_		
א ו'		#9
ייו ו	1 I V S	<u>ua</u>
	ひピン	TI

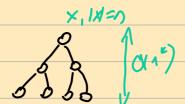
UNDE SUMEM

COMPLEXITATE

NP

Misin = Turing nedeterministe poliminate

Masic Tringet -> Ce S: 5xZk-> SxZkx }=, ->, U}



nedsterniaists

8:5xZ"->3(3xZ"x2,-)1)

h.	Sede Plx, - X
De clasis	Patisfable?
	e 37, F{
	ズ)=ナ

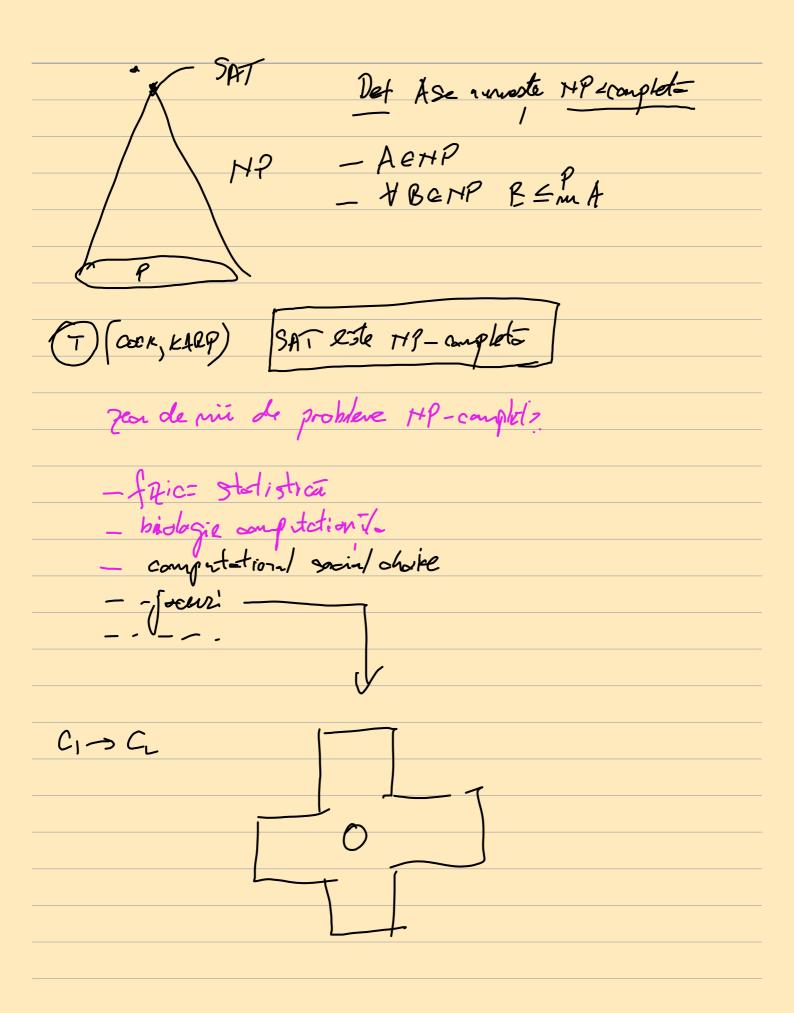
	×ı	XL	χn	19	/
	0	0	C		l
				1	
$\int_{-\infty}^{\infty}$		1			

Se chade P#14P

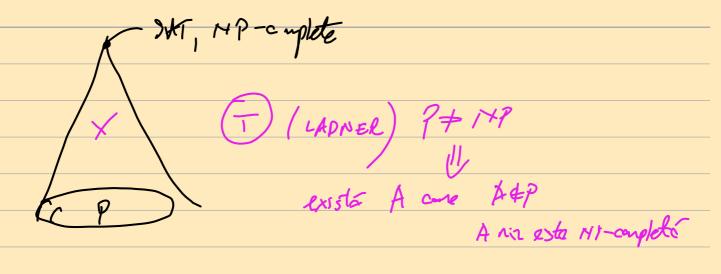
Perniu 1.000.000\$ (CLAT FOUNDATION

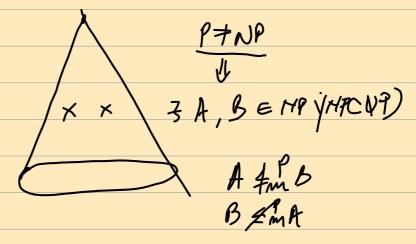
DECE NU POT DEM PFMP pin Masini Turing universale pt 9 por as aib= complextate pests TXF

diagnotique!
SXTAP or Taggard of the out conductor
SATEP De ingeament as in pot regale SAT intr-o multime de cogasi asse mos interesosos
TITE OF MICH OF CONTROL IN LECENSES
5AT "USOBYS")
PINP => ricin SAT solver no we marge sine TOT TIMPUL
Def A = m B = 3f: Z* = Z* f calabile in Timp pains
In TIMP ACINO
txez xeA = f(x) =b
·
7
T B≠¢, Z*, B€P, A≤mB
atunai AEP
Dem $f = O(n^2)$ $B = O(n^3)$
<u> </u>
X -> f(x) -> YES/MO
1×1=1
18x)=12
1/4×1/≤1
g B > 0(1y/3) psi
$g = f(x) \qquad O(1^6)$
/



Exists probleme core 1 sunt in Psi nici MP-omplete?





Candidat de problema intermoliera

DE GLAFURI

De desis existé a bijente $\pi: V_1 \longrightarrow V_2$

a.i (WI,NI) EE (TI(WI) TI/Wi) CEZ

(T) (BABA;) GIE O(n'3)

SSAT DECNF

Φ= / Ci

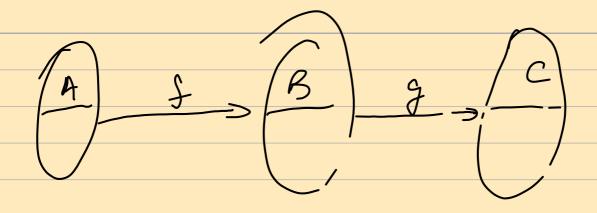
1ci/43

Dem_ _3-SATENP

- SAT <= m 3-SAT

 $\begin{array}{c} (L) & A \leq mB, B \leq mC \\ & U \end{array}$

AEMC



AEMC Nia gof

xex= (gof)(x)ec]

xex => f(x)eB

(y=f(x))

gof calculo holá T.
timp polinamind

f 0(n)

g 0(n³

gof of

IXI =1 3

15(x) = O(n2)

X

ISAT = m3-SAT STACHP ASMIT HACHP A SM 3-SAT OBCNF -> OB 3-CHF DESAT SAT IPEE d voriabilà nous XVJVZJt X VY VA

J VZ Vt

Mayor oth

XUgJJ XVyVEVTVP Q VZ VT UP Clause de 193 (T) 2-SATEP Obs K-SAT LZ3 MP-complete EXP 3-SAT Em 4-SAT (of vor now) $\phi = Aci$ XVyV2 XVYVZVX XVgVZ VJ Def 1-14-3 SAT

t-114

(1) alg core ghieste
$$\overline{X}_{1,-}$$
. $\overline{X}_{1} \in 3TF$ }

3i tenifici et $t \in C_{i}$ Ci adevorte.

C(q,b,d) FTF C(a,b,e) FTF C(c,d,f) TFF C(Z,C, FALSE) FTF a,b,c,d,e,f be. bi FFFFF

