CURS #12

CUPS # 12
-
UNDE SUNTEM TRANZITI'I FAZI IN 3-JAT
Pr(C477 /
Pormetru <> Pormetru <> # vor = 1 # claux = c.7
202 = 1
claux = C.7
DPLL EDavis - Patnam - Loveland - Lorganity Backtracking +
DPLL EDavis-Patron-Loveland-Lorgnard Backtracking+ unit chase prop.
Alg MONIEN-SPECKENMETER (voicint of OPLL)
Alej clang- C de langine midino
C = X1 V V Xx
C
XI = = XN-J = F XL TEUE
/ AE TEOD

The vreus A este autosk = setet voe. conform Ini A

CONFLICT - DRIVEN CLAUSE LEARNING (CDCL)

IDEE DE BAZA O -> ONC, -> PACINCE

	2. BACKJUMPING
/	·
	battacky mai mille windsile
B	S'-1017AT
+C clarg=non=	
Core imi explica o	untradictia
	/
COCL	
while Heve)	
1. devid go dan a unlaure une	i voz. masignate.
2.1 efectuer propagare unitat	
3. Send giving la CONFRICT	(I) a chaze negat)
	two x = Teut
(1)	$\frac{\mathcal{A}}{\lambda}$ \mathcal{B}
andizer notival pt conflict	
Fruit along non =	
backjump	
does SAT = SOP	
altiel alex vor nouá (nivel non)	
	TROE
Log (Trail)	C=liv vlx(e)
	unitpopytion
X DEC le	1 1 V
1	-BKENUMPING
am Setet X	<u> </u>
ca armore a unei decitií	
(/•••	

EXEMPLU XINXL X3 V X4 X5 VX2 X8 VX3

XINX3 X2 VX4 VX5 X2 VX2 VX8 X8 VX10

X9 V X N X11 XN V X12 X11 VX12

$$X_{1} = T$$

$$X_{2} = F (v \cdot P)$$

$$X_{3} = T (v \cdot P)$$

$$X_{4} = F (v \cdot P)$$

$$X_{5} = T$$

$$X_{5} = T$$

$$X_{5} = T$$

$$X_{7} = T$$

$$X_{1} = T$$

$$X_{1} = T$$

$$X_{2} = T$$

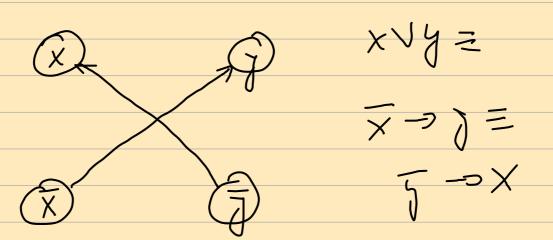
$$X_{3} = T$$

$$X_{4} = T$$

$$X_{5} = T$$

$$X_{5} = T$$

2-SAT Semilos)
FORNULA GRAPH ØZZX VYZ



IMPLICATION GRAPH - DAG

V = S 1 10 GT 6 US 17

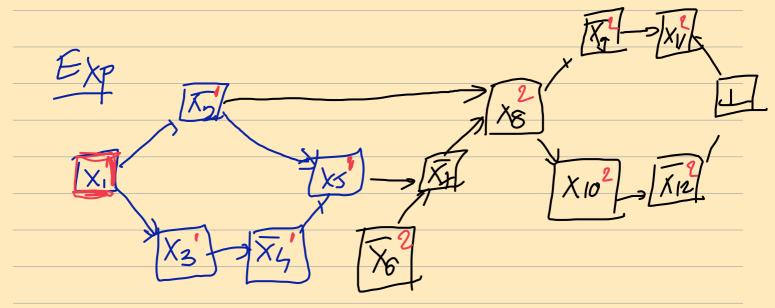
conflict vertex PP Clargo C r= 1, 12 -- U lx 18 este falsificate B, -- Tu 6V C = WIV -. V W/ G=(V, E) falsifie ocluse (C) CONFLICT CUT

$$W = (A,B) \text{ prtitic a (92)}$$

$$(A \parallel B = V A B = \emptyset)$$

(AUB= V. A B=0)

- toute redurile décisée sont în A



(X6 = FALSE décisie) restal propagage.

$$A = \{x_1, \overline{x_6}\}$$

$$A = \{x_1, \overline{x_6}, \overline{x_2}, x_3, \overline{x_4}, x_5\}$$

$$A = \{ ---- X7.1.8 \}$$

LEARNED CLAUSE

G= (V, E)

V=AUB, ANB=p

R=3leAJe'eBe-se'}

Ce = Vel

