1		3			
true litterals per clause	To Pick exactly one of the)sol(I) >> Sol(I2)	(4 satisfiable) (= (±5 (6	572: 6, 8-60 C2	3 SAT <, IS
	has a satisfying assignment.		G. k=m))		•

* 5120 of 5 ? \$=m

3) Contradiction with sol (ti) !	it must that $x_1 = x$, $x_2 = x$	- I noce per irinage between					
		2 modes					
		×1 ×				:•:	

tte). we pick 24	φ: Sd: 72, 72,		(2x x 2x x x)
2365. Jan C2	23,74, are all True		V (2 2) V

30(T2) => Sol (I, 4 IS (6, K=m) is yes, let She a solita 151 > K=M where in S to "True". we have m. D in G, each D can have at most I votex in s 1 voter in 5 per D I) S contains I votes per D -> every clause has a true literal o o is satisfiable

-> Argue that a variable is not assigned to both True ad to se (x, 15T & 2, 15T)

By contraction, these share an edge fac	Let the best and a
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Clair: Six on IS in GES VIS is a VC of of VC (S) #S at s be on Is of G VIS "Goves" (U,V), Y (U,V)GE SIVIS is a VC aft lead one of them in VIS as in the VC 3E;the u&S or v&S ., b. H (det of IS) Consider any edge (4, 4) EE

by 115 > (4, 1) EF = 5 is a TS. 12 GH VIS be a VC of G. the (",") EE, it would Not be covered

				~			0	(b) VI is a clique	VI is a clique in 6 (3) YYY	VC (S) Clique
	5 VIVI is a VC for	-> VIV' covers edge (u, v)	- At least one of there	Eithe ut vo ve v	u and v connot both be in 1	(u,v) & E by def of	005:0	is e	٩	y
	1	4	+	5	~	2	a st	<u>cl:</u>	cliqu	<u>C</u> :
	1.	COV	187	*	5	W	3	2	2.	Juc
	7	Š	0	<	1	29	de		ନ	
	C	2	ŕ	1	440	det	5		C	
-	*	(m	7 =	A	2.	0	5		<	
	3	5	?	<_	<	60	F		נו	
	,		-		()	U,	6		9	
		YC.	3		Chipse del				VC	
		V(4,4) 6 E	7/7		F	Я	~		2.	
		ני	-		(H	1		P	

		2	(7 (=≥)
	ことの	Tit no edge	Vyv' is
	clique in	e (winte	vc of
	(u,v) E V/	E), then	6c of
		(4,) e E	en.yan 2 f