

16-3/	C= Eaibick loeissisk3 & CFL
	palminome & CFL (S=> &) 050 151 0 (1)
	5 ww w ∈ 2 ° ?
	0°10°1 4=0°1 =0 x=1 y=0 z=0°11
	$\frac{1}{1} \frac{1}{1} \frac{1}$
i e	OP1P0P1P 1x1=1y).
	{x x x y } x, y ∈ ε* , x * y }
3	S-COLAS
+ /+	S = OS 1 S 1 1 S o S
	ξ
	2 w #+ \ += x w y , x,y, w, + ∈ 2 * } €CFL
	0 1 0 1 0 1 0 (unary addition) w= 0 10 10 2 0 4 = 0 10 1 V = 0 1 Y = 0
	Z = 0 2p-1
	End 10070 10070 1007E
	5-7 050 1X
	X > 0X 0 1 1

6-2)	
case 3: vxy = am bpcn	
u=al vxy=ambpcn Z=C	
RHATE (Vy)>0 Vxy) < P M+P+n < P	
=> m=0 = n	
i mpossible	
-I	
ase 2(3): vxy contains only atc	
$vxy = a^m c^n$ $p=0$ $w=\varepsilon$ $ vxy \neq 0 >0$	-> impossible
	Section 1
iase 2 (1): vxy contains only abb	
$u=a^{\ell} vxy=a^{m}b^{\gamma} z=b^{\beta}c^{\rho}$	Market Control
L+m=p n+q = p m+n <p< td=""><td></td></p<>	
case 2(1)(1) = v contains only a case 2(1)(2): v contains a	# b
$V = a^{m_1} \times a^{m_2} b^{n_1} y = b^{n_2}$	
M1+m2+m 11+n2=n ανίχη = α(2+m; i+m2) b(n,+n+i+6) ερ ερ	AMERICAN AND AND AND AND AND AND AND AND AND A
$Coq \qquad iff \qquad l+mni+mz = n,+nzi+q = p$	
(1) 1 (n) (n) (n)	
andron & CFL ALL & CFL	
and "in abbitable & CFL (B = NEG => {anb ncn 3 o B & CFL	
· · · · · · · · · · · · · · · · · · ·	
We AOB iff we will a wieth a wieth	

16-1/	CFPP(A):= YAGCFL. CFPP(A)
	JpeN.
	V(WEA IMITE), STURE
	∃(u,v,x,y,z e 5* R→ v Ry .
	wallykyz R >> x
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	∧ [vxy] < P) L(g') ⊆ A
	(Yien,
	\uvixyizeA
7 ($1 = \text{FPP}(A) := \forall = \text{given} \exists = \text{choose}$
	HPEN acceptiony p
] (ueA Inl>p) - choose a'w ("aHack")
	Y(u,v,x,y,z Est) — accept any division of w
3,2 74 15 27 27 27 27 27 27 27 27 27 27 27 27 27	₩ = 4∨ x \ ' '
	1 1/9/1>0
	$\Lambda [vxy](P)$
	日(ieN), — choose a violating i
	UV) XY'Z & A
	g= gq, b, c3 aabbcc €B abbcc €B
	B=anbncn for n∈N
	given: p. given: u, v, x, y, z
	choose: w= aPbPcP case 1: vxy contain a,b, xon c
	case Z: vxy contain alb, bpc, abc
***************************************	case 1 m: vxy = a m case 3: vxy contain a, b, dc
	Uza vyzam zza bece
	$l+m+n=p$ $m < P$ $m_1+m_2+m_3=m$ (asc.), b
	$V=a^{m_1}$ $X=a^{m_2}$ $Y=a^{m_3}$ $M_1+M_3>0$ (ase I.C.
	UVixyiz = alamixiamz amsxian pcp
	a a threen+ (mi+ms)xi b c
	$l+m_2+n+(m_1+m_3); = p = l+m_2+n+(m_1+m_3)1$
	i = 1