		C&C23	6 Brush	Pen Son	£ 2		
			vestion !				
	the statement:						
	the statement:	yn, yk≤n, a	k≤On.				
	$ \cdot \rangle \Rightarrow \langle \gamma $						
Proof:	Let n.E.W. Le			e Oup≤an,			
	Yet NEW. W	, i					
	Since n. + M.	(n, +1) e/M,	which y	$k \leq n_2 +  $	, accord	ling to i	resumption,
	gives ax = an	24].					
	Since Not M	$1$ , and $n_2 \in \mathbb{N}$	N2+1, gre	es Ours s	any a	18 N2 B	an instance
	of such & i	n the state	iment t	1K=n2+1.	ax = an-	1.	
l've	proved \$ =>	C).				<b>I</b>	
(b). WTP	· (7 => D.						
proof. As	sume Unter	', an, < an,+1		assumption	m [.		
Le	t P(n2): UK	≤ N2, Cyx ≤	anz when	re N. E l	W.		
Le	t ne EW.						
Bose	Cose: No =0						
	Let ke M	1. Assume	&≤0				
	Since ke 11	1 and ks0	, gives	k=0, u	shich ox	= Q <sub>D</sub> ≤ Q <sub>D</sub>	),
	live proved						
lnduc	tion Step: Y	et net W.					
Irduc	tion Sypothesis	s: Assume	P(n2).				
	P(n2+1), W						
	K'EIN. Let		·	,			
	nselN, occo		rssumption	1, gives	an < a	ns+1.	
	hen k'≤ n≥	U	′	0			

