

	whise spails -/_/_	9
	For 1st pater Now, an $\rightarrow a_{k+1} a_{k+r} - a_n$	1
	Now, an -ax -ax+ ax+ -an	1
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	am Rax, ax Raxy: " axyx Ran	5
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	Ex ond	1
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	(2)	
	(F) 050 : 100 C	5
	moreon wolates the asymmetric	5
	of struct or der.	r
	property of struct or der. Plain: Claim:	
6)	Claim: We need to prove that #ij st. i7j	7
	100 TO prom 100 4 1, 1 St. 175	7
	ai Raj or aj Ka,	-
13/	on By unique path property we can property ai Raj os Oj Raj hence provid.	
	can proper say finat a: Ra:	-
wither a	os aj Kag. hence provid.	-
	claim: Use nedato prove transitivity: Given: a: Raj & as Rax.	<u></u>
Prop	· Ginn: ai Kaj Paj Rax.)-
301 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	antoining these cualks there is	
0	walk from forem a to a -	
1	a qikan	-
H	so, positive longer paths are there ai Rai : irreplemente G is a linear strict postial order.	-
	Circlined di di de	,
	of 10 a will strict pariou ofall.	-