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Proof of (C7) We apply LSD and get a courtable prime model M we want to show stormicity for M Let I be any complete m-type Notice, if I=[4] for some formula z, then by the OTT it on he omitted in some model of Since M is pine, we have MC>N elementanly, hence M has to ount

Pheor	em the	following	are equi	vsleut			
	1) Phen	a prime	mwdul,				
	2) Phon	an aton	lanc sur	counta	ble muc	lu,	
	3) Inla	ted types	are deus	e in fr	le apprise	of n-types (For every M)
Cord	ory. If H	re more	of types o	t the H	Peory is	countable	o, then there
ſ	muxt be a	e prime m	wdel				
Proof	(lordlorg) lu 2 d	ompet	Haust	of court	aldle space	e, isolated
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	let M ou	uit 2 by 0°	TT. Theu	m is o	truic /	prime	1

Theorem The following statements are equivalent 1) Every trepe is included, 2) the space of type is fimite Ashure of wurtable of hos ou infi The following statements are equivalent n'te model op en No-cotepoicoli, 2) the opsee of types is finite, 3) every model is storic Proof A) 1=72) to (x7 = U 4p) is an open cover + the spee is compet. 2=>1) Here we use thousdorff such motoutly wuchede Proof B) 3=71) Since of hos a model / by LSD it is assumed countable le By sesumption, all the countable models are atomic and they are ismorphic for a previous theorem (lost theorem of lost betwe) 2=73) A model con only realite instated types (for therew A), therefore it is prime 1=>2) Take any non-induted type Consider M that realizes it M con be chosen to be countslole, and by strumption it is isomorphic to suy other. On the other hand, we can ount that type in an irmorphic model.