2	By make and to arrival at a profession of the ap 7 to I
	[A) [B) we seen "it we can prove X assume A and
	Y assuring B this we can infer C by  X Y  (A, B) disthis in / closers" the open assured bear A and B."
كعينين	Shirt Start of the form of the first of the Part I
	In particular, the 17-II rule can be willed as [[A]
a l	6. (A) 505
	T + A > 8
nints.	10mm 1.1.4 工产下面上中, 出版厂中, 中国人
	Example. A ratural deduction proof of AAB -> BAA.
	EN god u - [AAB] [AAB]
Caly!	EN god u — [AAB] [AAB]  AAB = 8AA  A  B
	Prost Tasition on the citie of the prosty ( describe).
	BAA (AAB)
	AAB + BAA IT S.
	Example. Prove the Hilbert - object orders \$ \$\phi = (4 -> \$\phi) and .
	1d = 14 = 11 = 11d= 41 = 1d= 21
452	Clearly need to use $7$ - introduction of both. $[0 +  \psi + \chi ]$ $[\psi + \psi]$ $[\psi + \psi]$ $[\psi + \psi]$
	LAN MARKET STATE OF THE PARTY O
0	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)
	4 = \$\phi (\phi)
	$\phi \rightarrow (\psi \rightarrow \phi)$ $\chi$
48	φ+x (3-1, φ) (φ+λ) = (φ+λ) (φ+λ) (γ-7, φ+λ) (φ+λ) = ((γ+λ) + (φ+λ)) (ψ+λ)
	(φ+4) = (++χ) = (++χ) = (++χ)
	147 ((xep) = (1xe y) + (1xe y) + 4)

It I want of proposition is the language and I was proposition, we write T 1> 0 of there is a proof of \$ from I is the respective Logie. Alon of you day (I-t) set make the a TH? Cac Lower 1.1.4 It FAH Q. Her FAH de tor any propairies

4. It pur a finishe proposition and 4 is any proposition, then [[p:=4] then t p[p:=4] Notion for \$ [4/p] Proof. Induction on the size of the proofs I accrused. 1,2 The Simply Typed A-Calculus We assure given a cer To of suple types greated by a growner. TI = UIT -> TI where U is a countrible 504 18 TT consider of U and any a + 6 eT where a, 6 eTT); where Un a compable cet of type variables a well as a spine cet V of variables.