Indulin Buis: A is alonic

i)
$$A = \bot$$
 m, $s \not\vdash \bot$ iff m, $s' \not\vdash \bot$

ii) $A = P^{\circ}(t, ..., t_{n})$

wits: m, $s \not\vdash P^{\circ}(t, ..., t_{n})$ iff m, $s' \not\vdash P^{\circ}(t, ..., t_{n})$

m, $s \not\vdash P^{\circ}(t, ..., t_{n})$ iff (B) Dolor if $\not\vdash$)

$$\langle v_{-1}|_{s}^{m}(t_{n}) \rangle + (\rho^{n})^{m}$$

$$\frac{1}{1} \int_{0}^{1} f(x) = \int_{0}^{1} f(x) + \int_{0}^{1} f(x) = \int_{0}^{1} f(x$$

$$\langle v_{\alpha}|_{s'}^{m}(t_{1}),...,v_{n}|_{s'}^{m}(t_{n}) \in (p^{n})^{m}$$

indutive steps

$$\left(A_{\bullet}^{2}\left(\underbrace{f_{\bullet}^{1}\left(c.\right)}_{\epsilon_{i}},\underbrace{f_{\bullet}^{2}\left(c.,v.\right)}_{\epsilon_{3}}\right)\right)\qquad\qquad \underset{s\left(v.\right)}{\mathfrak{N}}$$

$$\langle 1 \rangle \langle 5 \rangle \in (\Lambda_0^2)^n$$

 $\sqrt{1} \quad \text{whish in } x - \text{varts } s, \overline{s} \propto s \\
\sqrt{1} \quad \text{whish in } x - \text{varts } s, \overline{s} \propto s$

free was if B= free was if A+X \$\frac{1}{5} \times 5 \times 5 \frac{1}{5} \fr

fi som 5' xs', m,5' FB

$$\underline{2}_{a}(\beta) = \begin{cases} \underline{2}(\beta) & \text{if } \beta = x \\ 2(\beta) & \text{if } \beta \neq x \end{cases}$$

1) 5 and 3' assign the same abjects
A the free variable of B

if 2 is free in A the 2 + x, s. 5(2)=5(2)

sinue 5 x25

Bo Defort Z', Z'(5)=2(5)

+2 = 2 (5) = 2, (5)

if z is free in B B+ of in A , ie) Z=x, ie) LTS 5(x)=3:(x)

this time to have 5' is defined

By H, M, 5' \$5': B OF \$5' s there is a 5' \$5' 51 m, 5' \ne B

50 m,5' } 3xB

> hurenutists d.

tothe consequence

Dobn: A:s A sectione if it has no free variables

MEA: IT M.SEA for my variable suspends

Offin Park sections

Pedils A FRA IR full

L-studies mit m +B full BeF,

them +A

A > the in every statue that makes all softens in P tre

Of A: 11 H m FA fo . Il m

Semilie Dedudin Theren

Pu {A} | B#F P =(A→B)

(8+A) = 72. 2-1A : ... c. + A= A :)