don't take the result type. Take all other than result,

Here, result is c

(a)a)c) ) aic & Edindesse and a)c) ar 0011}

2. A proof of (a) (00011) [a] (00012 [a) (00011) [a] (00012) (→ € ) [a] (0002) (-)E) (0001) (000) \_\_\_\_ (>I)

the proof of an IIL formula looks like construction tree of a term having type as IIL formula.

(00) {dis chap; 'a' ar bostra 00012} { di di = = = 1 0002} (ananc) nananc p golichja nancak 000117

Defn: (C-H mapping from landa to logic)

It A is a TAz-deduction of Them M: C,

the corresponding topic deduction AL is defined than.

(i)  $M = x \quad \mathcal{U} \quad \Delta : x : \tau \mapsto x : \tau$ 

AL: just c

(ii) M = PQ and  $\Gamma = \Gamma_1 \cup \Gamma_2$  and last step in  $\Delta$ 

has the form

let  $\Delta_{1L}$  Grasfond to  $\Delta_{1}$   $\Delta_{2L}$  ,,  $\Delta_{2}$ 

Ab is obtained by apply (AE) of IIL hall, Azl. 

(iii)  $M = \lambda x \cdot P$ ,  $\nabla = P \rightarrow \sigma$ , T = P' - x and the

last step in D is

 $\frac{P' \mapsto P: \sigma}{P' - x \mapsto (\lambda x - P): P \to \sigma}$ 

 $\Delta_L$  is obtained for  $\Delta_L'$  by discharge all occurrences

of p in  $\Delta_L$  whose positions are the same as the

positions of the free accurrences of x in P.

Example '  $\begin{array}{c}
X : \alpha \rightarrow \alpha \rightarrow C \quad \mapsto x : \alpha \rightarrow \alpha \rightarrow C \quad \neq : \alpha \mapsto \neq : \alpha \\
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\chi : \alpha \rightarrow \alpha \rightarrow C, \quad \neq : \alpha \mapsto (n+1) : \quad \alpha \rightarrow C \quad y : \alpha \mapsto y : \alpha \\
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\chi : \alpha \rightarrow \alpha \rightarrow C, \quad \neq : \alpha \mapsto (n+1) : \alpha \rightarrow C \quad y : \alpha \mapsto y : \alpha \rightarrow C \quad \Rightarrow \\
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\chi : \alpha \rightarrow \alpha \rightarrow C, \quad \uparrow : \alpha \mapsto (n+1) : \gamma : \quad \alpha \rightarrow C \quad \Rightarrow \\
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\chi : \alpha \rightarrow \alpha \rightarrow C, \quad \uparrow : \alpha \mapsto (n+1) : \gamma : \quad \alpha \rightarrow C \quad \Rightarrow \\
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\chi : \alpha \rightarrow C, \quad \downarrow : \alpha \rightarrow C, \quad \downarrow : \alpha \mapsto (n+1) : \alpha \rightarrow C \quad \Rightarrow \\
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\chi : \alpha \rightarrow C, \quad \downarrow :$ 

it is one proof, there may be more than one.