What is the difference before I and E?

The syntactic construct for building former(as,

so it occurs in wifts.

The wed when we talk about legal, so

It is meta-logical.

SA, A-183 & C abbreviates an English sentence but is

not itself a logical formula.

Deduction Theorem:

The x-18 iff \$\geq u\faces x\face3 \mathcal{\beta} = \beta

Legal 2 \mathcal{\beta}

EEXSB HA Zy (x) FOB Prof of 5 Exp Mylies EUSAJED Eusaste implies Ztans Assum SUSX IFB. Thus entry model of EUSA. Show & Ka mobil of B. Show It amp. i.e. Thou every model of 2 is Consider an arbitrary model in making I thre and show n is unobel of 2->p, case 1. In makes or true use assumption - easy to show in makes desptone case). In does not make a true. - eggy to show in nutral -> true Since checkin, model is intractable, we introduce line by line prost.

Ety means Y har heen "proven" form

[Nemiller E.

We design "proven" so Ety iff Ety

Soundners: Ety-implies Ety

completeness: ZEY implies ZHY if 4 is entailed from 2 then there is a uproof for it from E

mades ponens: (mp) An (Buc) (Soundness easy to see) $\{A, B, A \rightarrow (B \rightarrow C)\} \leftarrow C \ln \rho$ 1. A premie premie premie 1. $A \rightarrow (B \rightarrow C)$ 3. B>C 1,2,mp 5A, B, A-> /8->1} - C then via 4. B 5. C 34,00%

(3 = (A > (A>B)) -> (A>B) use deduction method. 1. A > (A > B) Deduction method Premise I now show A >B A Deluction method premise

1/ now show B 3. A->B 1,2,mp 4. B 2,3, m 5. A-B 2-4 deduction retho 6- A (1) 1-5 ded. arethod · (A-B/)->(A-BB)