Welcomel

Claims + Evidence				
PL Proofs - logical - comprable / decidable		· · · · · · · · · · · · · · · · · · ·		
- COMPHOLOR / ORCHORDE				
=> constructive /intuition	ris hz	= 10	g C	
Judgement (claim).				
2 nat				
Rules (eurobenie):				
3 data Nat = 3 Nat				
7 TWO - NOW				
•				
zero nat				
2010 1(a)				
n nat				
S Socc 1 not				
2				
zeo nat s				
SULL Zeo not	\mathcal{C}			
SUCC (SUCC Zero) not	')			
Succ (two) nut				
50cc C1000) 1000				
7 data Even = Zeo 1 Even Odd				
7 data odd = odd Even				
7 one = Odd zero				
7 two = Even one				
	· ·			
EVENZ ZERO EVEN				
and a				
EVEN SULC N EVEN				
n ewen				
sour nodd				
	JEN14	, -		
Zed even El	(
succeen odd		EAL		
SUCC(SUCC ZED) eve		ic/V		

Derivable + Admissible Rules
7 SUCCEUCC N = S(SN)
Succession new SS
A rule is denivable if the can use a denivation of its premise as a building block in deniving its conclusion
n'nat Soci n nat
succ (succ n) nout
An admissible rule is rule where if we have a derivation of its premise, we leave that we can construct a derivation of the conducion
Succ n nat NS
Smatch: Neth -> Neth > match (Sn) = 1
N=SUCCZED
Zervnat zervnat s
Succzennat succzennat

SULC(SUCCZEO) nat

Induction	
Zeronat Socchnat	
Pis a property that holds Avall	
· If it holds for zero (P(zero))	
· Whenever it holds for n (P(n)), also holds for succ n (P(succ r	
Zero even	
ZEO EVEN	

zero even

n odd

succ n even

succ n odd opp