CURS 6

SINTAXA LP

se faloseste un sistem deductiv de tip Hilbert

Axm = mullimea axiomelor LP , formule de forma:

AL $9 \rightarrow (4 \rightarrow 9)$

 $A_{2} (\varphi \rightarrow (Y \rightarrow X)) \rightarrow ((\varphi \rightarrow Y) \rightarrow (\varphi \rightarrow X))$

 A_3 $(74 \rightarrow 74) \rightarrow (4 \rightarrow 4)$

Regula de deductie.

Pt. orice 4, y gormule) => 4, 4 > y

4 in 4 > y se ingua y) => y, 4 > y

T-teoremelor = ex de dej. im ductiva sunde T= mult. gormule

T- tearemale sunt garmule des artfel:

To orice axiama e a Flegrama

Ti orice formula din T-ett o T- tearems

T2 P, P -> V T- tearence => Y e T-tearenna.

T3 mumai garomule obt. din To, T1, T2 sunt T- teaxeme

l'este T-tearama => l'e dedusa don ipatesele T

9 = teorema a lui Le daca + 9.

4 axiama => TH9

4 ET => T F F

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Thom (T) = multimea T- tearson elor Try <=> 4 este T-learenna ● T L b (=) T L p pt onice P ∈ Δ .T. A multimi de formale. TED => Thom (T) = Thom (D) sadica pt orice 4, TH4 implica by Them = Thom (F) , adica pt P => + P implica T + P T+D => TRm (b) = Thm (T) => b+4 implied T+4 Thom (Thom (T)) = Thom (T) => Thom (T) + 4 (=> T+4 · T-demanstratie = secventa formule O11. Om a.1. pt ficare i e z 1, m 3 , o comdidin wom. e satisficulà: . · Oi axiama $\theta_{x} \in \Gamma$ · 3 Kij zi a-1, OR = Od > Oi · 0-dimanotratie e doar o simpla demanstratii. · Lema: $\theta_1, \theta_2, \dots \theta_m$ este τ -demanstration => $\tau + \theta_{i}$ sitis - T- demonstratie a lui P => Θm= P > m= lumg'mea 9 in la intertermentale -7 o E (=> 9 +7 . · Pt orice T = must form. in Y = farmula => => T+9 (=>] Z = sub-muly. Simità a lui T.a.T. Z.+9. Pt orice 9 => + 9 -> 4. Pt wice Ψ, y, x ⇒ ⊢ (Ψ→ Ψ)→ ((Ψ→ x)) → (Ψ→ x))

