Implicator and Negation

PTQ

TO mod, tillens

TP

Pre: PTQ

Gral: TP

Induct proof

Lynche Syllogism a merial for using dispunctions B10 PYQ 7P do, prode PVZ 7PVQ DPVQ years Goal: Q poety cares on (1) Can II: Mre (b) Q Graf: 2 Care J: Msye (a) P (2) I conta 2,19 (25) Q cqy 16 (3a) Q ex falso 16 proof by care, 1, 12-3a, 16-25

The guent we had of Alterate Flimination posing a Lynchon pre AVB MAVB alkrabe elimination m-n

Theorn: (AVB) (7 (TA 7B)

Port I: Mse AVB

Gral B

Fre y cours on D

Car I Mre A

Car I Mre B

Car I Mre B

B com 2, la

B prot y cares 1, 10-3a, 14-24

OnA > B delach 2-4

Par II. Mre On A 7 B Gal: AVB Mose On (AVB) for he sale of a contindin Conti A [Mose of A for reduction Gont: L OB M. p. 8,6 (D) AVB adder 9 (D) L com 10,7 (D) A reduction 8-11 (D) AVB adder 9 (D) AVB adder 12 (T) L com 12,13 (15) AVB VELLIO 7-14 Proc: ((ANB) V(BNC)) > B

Mosne D(ANB) 1(BNC)

Gorl: B

Pro by Chr. on 1

Case I: Mos DANS

Case II Mos Bonc

Gorl: B

DB simpla

DB prob by core, 1, la-2a, 15-25

(AND) 1(BNC) A B ded. 1-3

Prove AVB:

| More of A | G | B |

OB |

OB |

OB | A | B | dd m or

OB | A | VB | OF (A > B) | Hear |

OB | ON AVB | b.m.p no., nr 2 | alternate elimination |
m-n

PVQ (h) hile par) hunn PAR Q > S Q > R Case, K VS Opvers O PAR MAN O Q>S prine G 801: RVS poelycass on D Contires Das R mp 19,2 (3g) RVS addlar Coult Mr Q GM RVS (25) S my. 16,3 (35) RUS adm 25

RVS prof by caes 1, 16-30, 16-15

1) P V Q prime 2) P -> R yrim 0Q75 11mm Gal: RV5 Mre or [for allowhere elimate] 6-1:5 5) ¬p mit, 2,4 6 Q d.s. 5,1 D S m.p. 3,6 Exchael Midm: Pre ArnA

Gone The For a.e.

God A

BALLOR EN 2

ALLOR 2-3

Merch of (P) (P) (P) Par I!
Ase (Pay)

Gol: PAZ

Goal 1: P me of Forelahi GNI CNIOP > Q (3) Prehetio 2-8

GN 2: 10 | Mone O Q. | Col. L. | Gil. PTQ | Gr. Q |

Put T. Mre PARQ Gr. & n (P) Q) Mre OP > Q

1 P simp 19

(2) Q mp. 20,21 (2) 1 21,25 contra (2) 1 (2) 1 21,25 contra (2) 7 (P 7 Q) mg into 20-24