(A) + (B > C) (ANB) > C) Par I AT, ~ (B>C) / Goal (AMB) AIC Asset AMB Crul: C 3 A SIMP 2 PB SIMP 2 B C mp 1,3 B C mp 5,4 U(AAB) > (1/ ded d on 2-6

Souls per

Pur II: mre (A1B) + ( Gm / A-)(B>C) Assue BA Gal: BAC BANB compand of 10 BC mp. 8,11 (3) BAC ded 10-12 (9 A > 1B > C) dd 9-13 Involved 2 (13) the Reason bicondhal Indradich 1-7, 8-14 biconditional introduction

pvQ hr Por Q 15 alongs inchree Por Q or Loth QIPVQ AVB To pre AVB pre A To pro ANB re

AV7A 1s a Keren hor sæve gag to pe it? To use a disposition soppe me hae assed or proed He rand to pe a conclim C The shipy is, show that C 86/m An A [cae 1] then the Most C Follows for B PVQ proof by cares PAC Q >> C 

(nt) C prot by cases 1, la-m, 16-m

(ATC) N(BTC) Mre<sup>®</sup>(ATC) N(BTC) GMI: (AVB) + C Ance<sup>®</sup>[AVB] GMIC ® ATC Simpl Shew proof by whe wing I GAL C GAL C Shew proof by whe wing I GAL C Shew proof by whe wing I

> (are Brong @ B 6-1 C 30 C np 4,26

5 C proof by cases 2, 10.30, 26.36