3.2.18.2 (B demandrati deduction (4x) (P(x) -> R(x)), (4y) (R(y)-)Q(y)), P(a) P(0) + (32) & Q(2) U1 = (4x) (P(x) -> R(x)) = = U1 = (400) (7P(00) V R(00)) = U1 $U_1^S = (42) (7P(32) \vee R(32))$ $U_1^S = 7P(32) \vee R(32) = U_1^C = C_1$ 02= (4y) (R(y) -> Q(y)) = = Oz = (4y) (7R(y) VQ(y)) = Oz 02 = (44) (7 R(y) VQ(y)) cz = 7 R(y) VQ(y) = 02 = C2 03 = P(a) = 2 = C3 U4 = P(Q) = C4 U= (32) Q(2) -> -V= - ((32) Q(2)) -> (7V) 12 = 7Q(2) = (7V) = C5

S=
$$\left(\frac{1}{1}, \frac{1}{1}, \frac{1}, \frac{1}{1}, \frac{1}{1},$$