Dempre Verdadeira" Hapatine & 3, canclusão d) & P > (9 > r), P & q > r soding dos e) { (q v r) > - P primara (q v r) - 7 - P primara F) { (P-> q), (T-> ~5) } = (p-> q) ~ (T-> ~5) (P-> q) Hips A (T-> ~5) Hips B

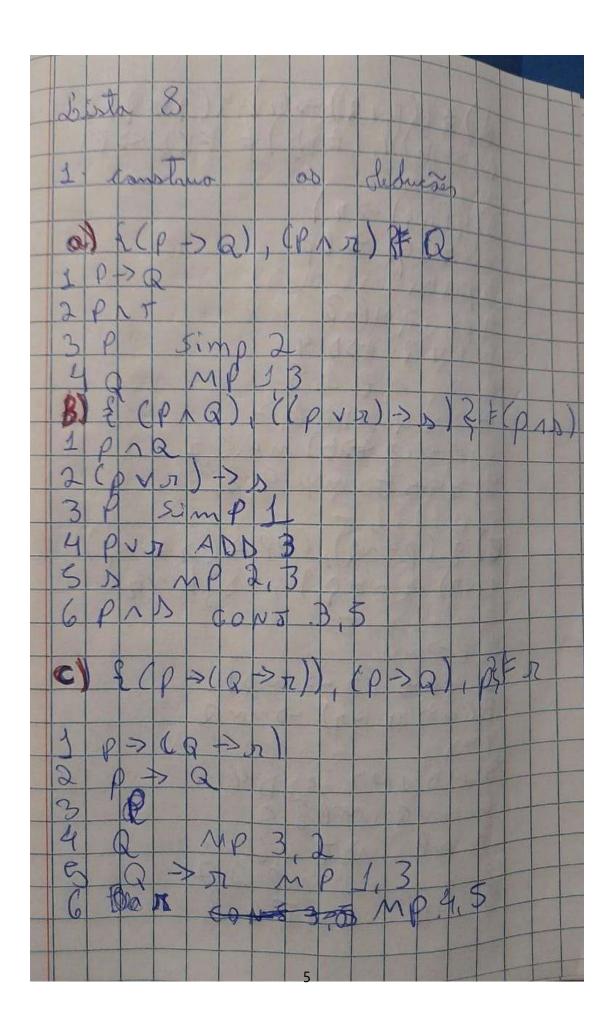
9) ((PA9) V (-PAT), - (-PAT) + (PA9) 1100 9 Silogismo Distuntivo umo possinel canclusos { 2) Indique a) { (svt) -> (rnq), (rnq) -> -P3 Silogismo distrutiva: (Tat) d) {P > (rv~s), (rv~s) > t} sile gimo Hipote Eico e) 1 p > t + 1 p > 25, p v - 9 3 DILEMA CONSTRUCTIVE 1~2 7 7 7 6 6 9 3 listative = 2P

Congrator of a or or another Diemal Destrut Vol 100) w (00) 3 contruo os deduções a) { (png) -> s, p, q} = s 3 9 Common 2 3 = 18 18 4 = (Png) - 2 5 - modus ponens: 1,4 = (Png) - 2 5 13 Pag modus follens 13 000 1 LY+LD= NP > e, NP J Modus Ponens c) d P > q, q > NNT, S > NT, P3 11 P = Q - + 23,23 10 Q > 10 (NR) - Hipototico 13 3 0 NR - + 17,25 | Modos 19 P > 10 Modos torren: Ponens 16 = NC.

d) { p , q , p > r , q ? 3 } F r PAQ - 10 2 8 3 mpli licondo 13 por 10 20, 14 modus poners = 16 p + v13,15 molus ponens=17 e) EP > (~qar), P, S + q, S v t g + t 1) P + (~qar) 3 (~qar) 13-520 - 0 A 16- 49 p modus tollens (123, 16) 18 - to D Sizagismo Dssintivo (17, 14)

F) { (P v q) D (P - D (S n t)) P n r } F t v u

11 P q D (P D (S n t)) LO PAT D Sumplificação (12)
13 P D Modus Ponens (12)
14 (5 nt) D Simplificação (14)
15 t D AD TIPITA SÃO (14) t - ADICAC 46 tv4



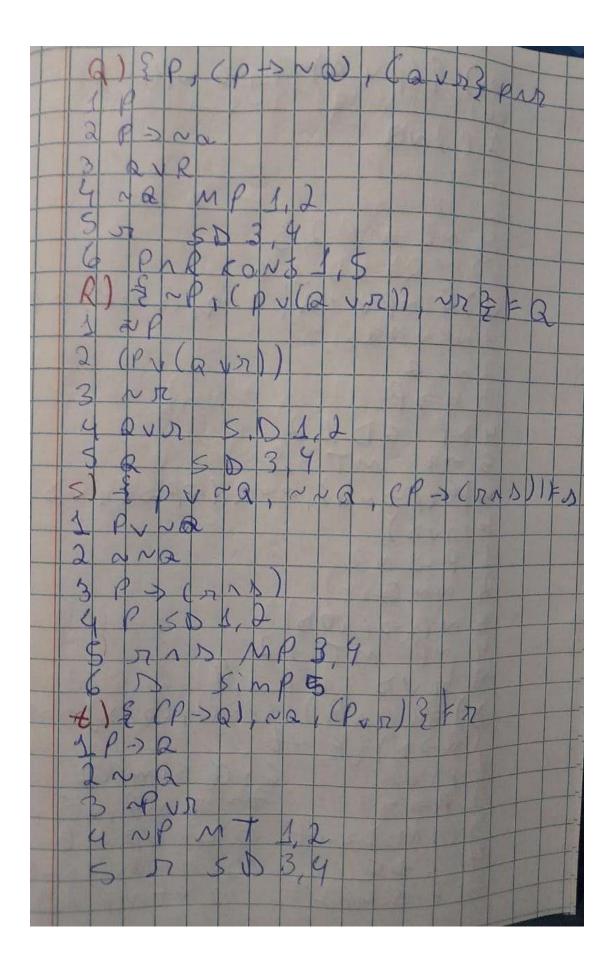
(PAQ) -> I 2345678) mp. 2,7 9 Mp 4 3 e. D(2200 P->~Q NR RYVa HNG 6

| P) ((P) 3) = 12 (p) (t > vu) |
|---|
| # () 3 = ~ (p 1 8) 1 2 ml |
| 1 (P \ Q) = 7 - 1 |
| 2 (7 5 5) 7 75 50 5 8 |
| 3 EPNU POR MT 27 |
| 5 NOUS BUCKARD MT 1,8 |
| 6 ~ u mp 3,4 |
| |
| 9) 8 (P > Q) (Q > n) (S > t), (PVS) } |
| 9) (() a) (a) n) (s) t1, (Pvs) } |
| 1-P-> Q 6.7vt D & 34.5 |
| 2 9 57 |
| 3 3 > 2 |
| 9 PVD 5 PSD SH 12 |
| 1 1 |
| ~ n = (Q y E) (~ n -> (x -> E) (x v (P w) |
| 12020 |
| 2 ~ n > (b st) |
| 3 5 4 (PV D) |
| 4 10 |
| 5 5 5 MP 2 4 6 P V 5 5 D 3 4 |
| 7 0 1 0 0 1 6 |
| 1010 |
| |

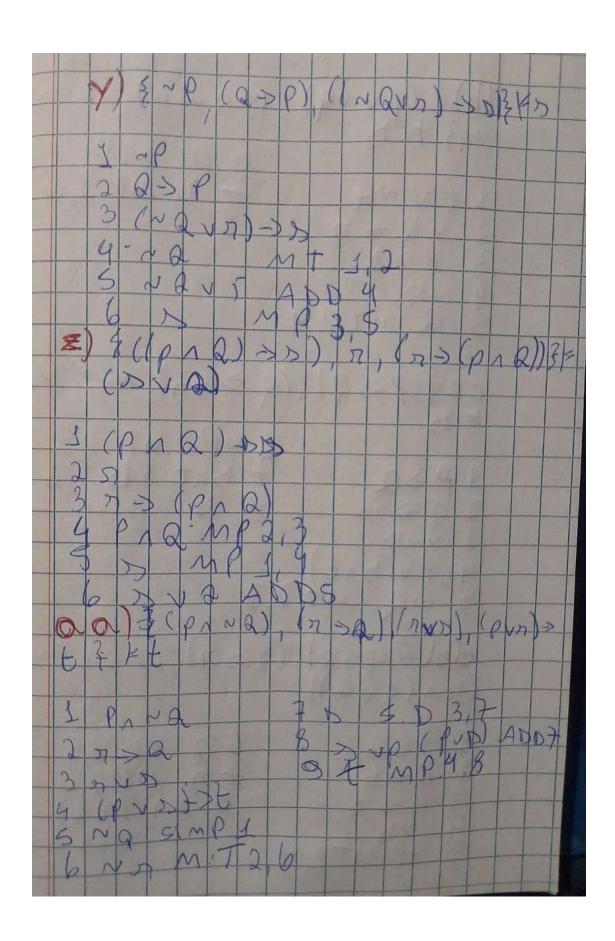
| 1 (P>n) (0->n), 1 (P>n) (0->n), 1 (P>n) (0->n), 2 (P>n) (0->n), 2 (P>n) (0->n), 3 (P>n) (13) 4 (P>n) (13) 5 (P>n) (13) 8 D S, 6 8 D MP 2, 7 4 (P>n) (0->n), (PV t) 3 ft 5 P 1 t 5 P 1 t | ~ 1 (Pro) |
|--|-----------|
| | |

| | 1 |
|--|---|
| X) {(P-> Q) n(2> b) (E>W) | |
| X) 2 (P > Q) n(2> S), (t > W, (u > v) | |
| THE PART OF THE PA | - |
| 1 CP -> Q1 1 (2-) 5/ | |
| 2 7 2 1 (3-3) 3/ | - |
| 3 0 - 3 1/ | - |
| | |
| 5 P-20 SIMP1 | |
| | 1 |
| 6 t -> M . S , A 2 , B | - |
| 7 ~ P ~ N E D D 4,56 1) = (P ~ Q) m, (P > n) 3 + (P ~ n) | - |
| | 1 |
| 3 1 1 | |
| 2 P > 7 | |
| 3 P SUMP 1 4 D MP2,3 | |
| S PATEONS 3, 4 | |
| m) & (~p, Q) (~p, ~p) | |
| | - |
| 1 2 0 1 0 | |
| 2 5 9 9 | |
| 2 JPSIMPI | 1 |
| 4 2 7 MT 2,3 | 1 |
| 3 NPANA CONDOLL | 1 |
| | 1 |
| | |

| m) E(~p, 2), ~ (n, s), (p) |
|--------------------------------|
| (7AB)) SF ~ PAQ |
| 3 P -> (50 NS) |
| 4 ~P MT 2,3 5 Q MP 1.4 |
| 6 ~P ~ Q & 0 W 5 4 , 5 |
| 1 PVQ () () > 12) 3 F P |
| 3 9 3 |
| 4 ~ Q MT 2, 3 5 P 5. D 3, 4 |
| P) & (P, Q), (nv p), (P) ~ p) |
| 2.PAR 2.PVD 3.P-7ND |
| G ND MP B. 4 |
| 6 72 50 315 |



9 B vva 2 3 2 D 4 3 (NP ~~Q -> ~ Q (nv) an 1 23 12



| 1 PV NQ | (~ Q -> n), (p > n) 6 P = n P 3 6 |
|--|--|
| 2 ~ 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 2 > N), N R, (PW) |
| 1 P > Q 2 Q > N 3 N N N 4 (P V (> A E) Q | 6 NP MT 15 7 S MP7 8 S S MP7 |
| 1012 (pva), (c (n) (pva)) | 6 Q SD 35 |
| 3 P 3 3 4 5 7 8 7 8 7 9 MT 3, 4 | # 7 MP 2 6 8 3 3 4 CP V R 1 3 C |

