Tronomaphoba ellerente K-28 En za menaginami diset N29

3. Tepeliputu rea compermibile. $\{ \forall x ((P(x)) \rightarrow Q(x)) \Rightarrow \exists y (R(x,y) \rightarrow G(y)),$ $f_{\mathcal{R}}(f(x) \rightarrow \tau Q(x)),$ $\exists x (S(x) 1 P(x) 1 \forall x (R(x,y) \Rightarrow$ $\Rightarrow S(y))$ $\Rightarrow S(y))$ $\Rightarrow S(y)$ Iy (R(2, y) 1 G(y)), to (7S(9c) VTR(2c)) 3x(S(x)1P(x)1 Hy(7R/2e,y) v S(y)) (a) { Fx Fy (-P(x) VQ(x) V(R(x,y)) 1 Gy) $\forall x (\neg S(x) \lor \neg O(x)),$ ta Ig (S(y) 1 P(y) 1(7R(y,x) v Ski)

6 { toc (7 p(20) V Q (20) V (R(x, f(20))) $16(f(x)), \forall x (73(x) \vee 7 Q(x)), \\ \forall x (3) S(f(x)) 1 P(f(x)) (7 R(f(x)), \\ x) \vee S(x))$ Muonecerea que rommit: $f - P(x) \vee Q(x), R(x, f(x)), G(f(x))$,78/0c) V7 Q(2c), S(f(x)), P(f(2c)), $\neg P(f(\alpha), x) \vee s(\alpha)$ 1. 7 P(f(a)) v Q(f(a)) v R(f(a),f(a) 2. P(f(a)) 3. G (f(a)) v R (f(a), f(a)) 4.78(a) V7Q(f(a)) 5,7 S(f(a)) v R(f(a), f(a)) 6, 7 R (f(a), f (a)) V S (f (a)) 7. 6 (f(a))

2 Dobectu, up p >q => -q > -p p -> q <>> 7 pvq <>> q v7p <>> 7 rp (=> 79 > 7p