(Vx(P(x) -R(x)) 1 Vx(P(x) -Q(x))) = (JxP(x) - Jx(Q(x)) P(x)) 7(V) N(x)) > R(x)) N + x(P(x) > Q(x))) - (Jx P(x) > J x (Q(x) 1 R(x)))= = (Yx(TP(x)VR(v)) 1 YxGP(x) VQ(x)))17(TJxP(x)VJx(Q(x)1R(x)))= = Vx((¬P(4)UR(4))1(¬P(4)VQ(4)). 1(¬Q(4)V¬R(4))1 =1yP(y)) Vx ((¬P(x) V R(x)) 1 (¬P(x) VQ(x))) 1 (¬Q(x) V¬ R(x)) 1 P(+(x)) 5 = 8 - P(x) v R(x), 7P(x) v Q(x), 7 Q(x) v 7 R(x), P(f(x)) 5 E = la, f(a), f(f(a)), ... } 1) -P(f(a)) V R(f(a)) 2) P(\$101) 4) P(f(a)) V 7Q(f(a))

Omne, no tamuoba gropuyea - mabriacioniel.

5) 7 ((1(0))

6) 7 P(f(a)) V Q(f(a))

 $7A, B, TC, TD > Av(B \rightarrow (C \rightarrow D))$ $7C, TD + C \rightarrow D$ $B, (C \rightarrow D) + B \rightarrow (C \rightarrow D)$ $7A, B \rightarrow (C \rightarrow D) + Av(B \rightarrow (C \rightarrow D))$