1. a) albaobannin Trop 1MC-21 Kexan M(x) oznaras, up x ≠1 x Va V6/1a 6x albxoborn Trop 1176-21 Mexan M(x) ognara 6, upo: -(x=1) 1 Ha Hb ((ax6=x) -> (a=x v o=1)) Nexas H(x) ognara6, up: 3a (x = a+a+1) (x-nenopne mais) (x-mocre rueno) Fa Fb Fc (Ma) & M(e) & M(c) & H(a) & H(b) & H(c) & 41(a=6) & 7 (a=c) & 7 (b=c)).  $\delta) \quad \chi = Y \cap (Z \setminus S)$ Vx (k e X) -> (x e Y)& (x e Z)& (x e S) & & (xeY)(xeZ)&T(xeS) -> (xeX)). (Z) Yy JxA/x,y) -> Yy/YZ, Hx B/x,y,z)->7 Yx Yy A/x,y)) Yy Fx A(x,y) -> Ya (Yz #1/B/B,a,z) -> 7 Yc Yd A(e,d)) Yg 3xA(x,y) -> Ya (Yz Yb (B(b,a,z) -> Fc Yd A(c,d)) Yy 3 x A(x,y) -> Ya Yz Yb 3c Yd (B(B,a,z) -> A(c,d)) Vy 3 x A(x,y) -> Ya Yz Yb 3c Yd (7B(b,a,z) V A(c,d)) Yy 3x Ya Yz Yb Ferd (A(x,y) - (B(b,a,z) v A(c,d)) Yy ∃x Ya Yz Y6 ∃c Yd (¬A(x,y) V (7B(6,a,≥)) V A(c,d))



