Sagara Donamere, re $\{2f_{1},f_{2}\}=f_{3}$, we get $\{1: \forall x \forall y (\exists z (p(x,z) & p(z,y)) \Rightarrow p(x,y)) \land \{1: \forall x \forall y \ \forall z ((p(x,z) & p(y,z)) \Rightarrow (p(z,y) \& \neg p(z,y))\}$ fz: txty(Jxty(p(x,y)V)p(x,y)) => Yz Jt(p(y, 2) & p(x, 6)& p(2,6)) Tpsbloa ga gou, te 2fr, fz, 7f3) e neuznamumo fr H Hx Hy [-] = (p(x,z) & p(z,y)) V p(x,y)) H Hx Hy Hz (-p(x,z) V - p(z,y) U p(x,y)) Pemerne? fz H Yx ty - Hz (- (p(x,z) & p(y,z))) =1 \x \x \y \fi \z (p(\a,z) & p(y,z)) skolem Yx y (p(x, f(x, y)) & p(y, f(x, y)))
z=f(x, y) 7/3H - Vxty tz It (p(j,8)&p(x,6) & p(z,6))

H JxJy Jz Ht (1p(y,8) V - p(x,6) V - p(z,6)) sholem YE(-p(b, t) V-p(a,t) V-p(c, b)) y= b D1 = 5-b(5, 3), - b(5, 2) - b(5, 1) Tony calcare D2 = 2p(x2) f(x2) y2))3 D3 2 2 p (y3, f (x3, y3)) 3 Du= 3-p(b, 64), -p(a, 64), -1p(c, 64)}

Gparerua: 1. Togpemeere nurepanne le guzionurure rana re un meraraliume ea ca main-osopees

2. Tpalum peron benon ma guzionuru dez osp. mi.

2. m uznon feorie ntoplen osperen nurepan le vouci or Strings 3. Vonance ouro 6 guzvonura bez esperena mis. DE Res (D2, D2) = 27 p(f(x2, y2), y2), p(x2, y2) Z1= f(x2, y2) D5=27P(f(x5,75),25))p(x5,25)} 2. Res(D2, D3) = 27p(f(x3, y3), y2))p(y3, y2)} Z1= f(x3,43) 41= 26 D6=3-p(f(x6, y6), 26) > p(y6, 26)} 3. Res(Dz, Dn) = 27 p(a, f(b, yz)), 7 p(c, f(b, yz)) f(x2, y2)= 64 D7=3-p(a, f(b, yz)), -p(c, f(b, yz))} 4. Res(D3, D4) = 2-P(a, f(y8,b)), 7P(c,f(y0,b)) ty=f(x3,93) = D8

10. Res (Dio, Du) == 27p(a, f(Zio, f(b, yio)))

xio=b 7p(c, f(Zio, f(b, yio)))

tu=f(Zio, f(Xio, yio)) Din = 37p(a, f(Zin, f(b, yin)) 37f(c, f(Zin, f(b, yin)))} 11. Dis=Res(Diz, Diy) = 2-p(c, f(Zis, f(b,a)))} 412 20 7122714 XIZZb 912=914 12. D16 = Res(D15,9) = 1 5(g=c) $Z_{15}=f(xg)yg$ $Z_{9}=f(b,a)$