J)a, Dé Tado mundos	
$\frac{g(x,y)}{(\forall x)(\exists y)} g(x,y)$	
b) P { todo mundo } (Yx) ((∃y) {(y,x) ∧ (∃z) g(z,x)	
(1) {todo mundo} f(x,y) (+x) ((7y) g(y,x) -> (7z) f(z,x)) g(x,y)	
gd, (Ix) (If (e,x)) N(f(x,y))	
e) / {lodo mundo} {(x,y) 7(7x)(3y)(3y) ((s(x,y) v b(x,y)) ^ (f(y, g(x,y) (s(x,y) ~ (f(y,z) v g(y,z))) s(x,y) b(x,y)	z) Vg (y,z)))^
for ) glodo mundo }  f(x,y) 7(3x)(3y)(3z)((g(x,y) \ (g(y,z) \ \ g(x,y))	(g,z)) ^f (x,z)
	(tilibra)





