

3 A WOHN CA KBASTU PULLATOPUMA (x)7 $(\exists x)$ P(x) = $(\forall x)$ 7 P(x), 2 Le Mopicaroleu zauchen
7 $(\forall x)$ P(x) = $(\exists x)$ 7 P(x) 39 Weignendmu amope (*): inpesa ga genare em ga reg nela a ge un cuparra yben were mas 40 and umano ja je 71°(a) =0. Vena je raza (+x) 7°(x) =0. Troja permeno ga 40°5 kmo a 6°U ing 7P(a) = 0. They P(a) = 1, in P(x) = 1.

Konanho, P(x) = 0. (4) 7 (3×EA) P(x) = (4×EA) 7 P(x) ? Le Moptanden zonsono (8)7 (4×EA) P(x) = (3×EA) 7 P(x) } 3a ctp. whater. $(4) \quad 7(\exists x \in A) \ P(x) \equiv 7(\exists x) (x \in A \ P(x))$ = (+x)7 (xeA & P(x)) P = Q = 7 (PATQ) = (+x) 7 (xeA 1 77 P(x))
= (+x) (xeA -> 7P(x)) = (Y×GA) 7 P(x) (5) $7(\forall x \in A) P(x) = 7(\forall x)(x \in A \rightarrow P(x))$ = (7x) 7 (KEA -> P(x)) = (7x) 77 (x & A 7 P(x)) E (Jx) (XGA A 7P(x)) = (axeA) 7P(x) } lom. etz. uban. $(\forall x)(\forall y)$ $P(x,y) = (\forall y)(\forall x) P(x,y)$

(*) Hena (7x)(7y) P(x,y) = 1 Q(x) m_{ij} . ($\exists y$) $P(\alpha, m) = 1$. Maya umano $e \in U$ m_{ij} $P(\alpha, k) = 1$. $P(\alpha, k) = 1$, $p(\alpha, k) = 1$. $P(\alpha, k) = 1$. Mara je ca popuynom (37) (3x) P(x,y)? (3y) (3x) P(x,y)=1, R(q) $g(q) R(6) = 1, a_{q}$ $(\exists y) R(y) = 1$ Cour us, and pe (34x3x) P(x,y)=1, crya a (3x)(3y) P(x,y)=1 1) Cupatilus zainc: (fxy) P(x,y):= (fx)(fy) P(x,y)
(um (fy) (fx) P(x,y)) $(\forall xy) P(x,y) : \equiv (\forall x) (\forall y) P(x,y)$ (were (ty) (tx) P(x,y)) (*x)(3) P(x,y) # (3y)(tx) P(x,y). Truopunen ubayimapunampr: +,7 maajy min muopunen = 1 (∃y)(+x) P(x, y) -> (+x)(∃y) P(x, y) = 1 gonaz: (Fice) (fy) (+x) P(x,g) -> (+x) (fy) P(x,g) = 0 Thaga (7) (4x) P(x, y)= 1 a (4x) (7y) P(x, y)=0 Uz (*) прамо да постоји ве и ту (+x) Р(x, в) = 1. (д)
из (4) прамо да постоји а в и ту (7y) Р(а, 7) = 0.]
из (4) прамо да га вешо же и важи Р(x, в) = 1. Caequijanno, za x = a gosyano P(a,6) = 1. Man je ra dopmynom (f_y) P(a,y)?
(f_y) P(a,y) = 1, jep je P(a,b) = 1.





