SZAZ - Zhl pdf 1) Igar-e, hy q=7(pvg^p) -> 7pv7g formulånar a ψ=p-39 >p formula tantologilus lisvethermeinge? (haddis!) $\varphi = 7(p \vee (q \wedge p)) \rightarrow (7p \vee 7q) = p \vee (7p \vee 7q)$ tehat to 9. $\psi = p \rightarrow (q \rightarrow p) = 7pv (7qvp)$, tehát $\neq o \psi$ is. Es isen, 9Fo4 is isax, ment to4. 2) Adjunt meg ep, a (7(7y1x) > 7z) > 7y formuleval tautologihusan errivalens honjunttiv normal formajn (KNF) (7(7yxx) -> 77) -> 7y ~, 7((7yxx) v 7z) v 7y ~, $\frac{1}{2}\sqrt{2}x$ $(\frac{1}{2}\sqrt{2}x)\sqrt{2}$ $(\frac{1}{2}\sqrt{2}x)\sqrt{2}$ $(\frac{1}{2}\sqrt{2}x)\sqrt{2}$ ~. ((7 × 7x) × 7y) Λ (2 × 7y) ~. 2 × 7y 3) Rendicional Iganolynd, horn Ks

{pv7qvvvs, 7pv7q, 7pv7rv7s, 7qv7r, qvs, 75} Workalmer historithetetten! Kq = res(K1, K2) = 79 vrvs, Kg = res(K2, K5) = rvs, Kg = res(K8, K6) = r Kno = res(K4, K3) = 79, Kn = res(Kno, K5) = 5, Kn = res(K6, Kn) = 1

Pr = {P, Q}, ar(P) = 2, ar(Q)=1; 4. Eg elsorendu beflåbar legen Fn={f3, a1(f)=2; Cast={a3. Torintonhenner a logileaner an alabhi I = (U, IP, I fh, I Gust)
interpretaciójat. U = {0,1,2}, Ip, = P > PI, Q > QI, In if I Tout: a > at, and $a^{2}=1$, K(x)=2K(y)=1soud: els arg., oalops: måtodik arg. a) | f(f(x, f(a,x)),y)| = 0 $b_1 |P(x_1y_1) \vee Q(a) \rightarrow 7Q(f(x_1y_1))|^{T_1K} = i$ $= \left| \exists y P(y, x) \rightarrow 7Q(f(y, y)) \right|^{1} = h$

5242 - th1 , pdf) 5) hutamir neg, hop sem igær: "Minden p es y elsorendi formulara 9-> 4x4 ~ 4x (4->4) " Ellenpelda: lepen on I interpretació a lesvetters: U:={0,13, R={P3, a1(P)=1, PI:={(0)}, q = P(x), y := P(x). × P(x) | Yx P(x) | P(x) -> Hx P(x) P(x) -> P(x) | Yx (P(x) -> P(x) o i h Legger K er er I-beli valtors hiereleles, ami x-her a Ot rendeli. Elsol | φ -> ∀x ψ| = | P(x) -> ∀x P(x)| = h $|\forall x (\varphi \rightarrow \psi)|^{1/K} = |\forall x (P(x) \rightarrow P(x))^{1/K} = i$