## 第六次作业.

- 1. (YX = Y V = JUP(X, Y, Z W))s
  - = K(C) Z, y, Z, U)) s
  - = KX HZZNP(X, SM), ZW)
  - = \text{XYZ(JUP(X), Z, U)}3
  - = YX YZ P(X, fixx), Z, fixx Z))

姊兵,无糖函数

- 2. (4xp(x) ~ 4y(x(y)) -> 7xp(2)
  - ⇔ \(\text{V(P(X)} \Lambda\(\text{V(Q(Y)})) \rightarrow \(\text{3}\text{ZP(Z)}\)
  - \$ txty(P(x) nQ(y)) → 3 ZP(Z)
  - ⇒ ∃Z(+X+y(PXX)nQ(y)) → P(Z))
  - (S) = Z(∃X(YY(POX) NO(Y)) → P(Z))
  - ((((S)q ((P(X) NO(Y)) > P(Z))))

世: FJX by P(X,y) → by JX P(X,y)

会 对任何 Model. 有 M F = JX by P(X,y) → by JX P(X,y)

会 当(JX by P(X,y)) M(S) = T 同t.

(by JX P(X,y)) M(S) = T 回t.

(by P(X,y)) M(S) = T 会 JAE M, 發得 (JX by P(X,y)) M(S) = T

= (by P(X,y)) M(S) = T

(by JX P(X,y)) M(S) = T 会 对所有的 b e M. 有 (by JX P(X,y)) M(S) = T

(by JX P(X,y)) M(S) = T

会 对在 Q e M. 使得 (JX P(X,y)) M(S) = T

(会 对在 Q e M. 使得 (JX P(X,y)) M(S) = T

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迈. 反例: M= {a, b, c}

I(P) = {(a, b), (b, c), (c, a)}

RY (YXJY P(XY)) MEIJ = T

(By Yx P(xy)) MED = F

i. # YX3y P(Xy) -> 3y Xx P(X,y)