Models.
1. Definitions.
13 Model: an interpretation designed to show a particula
Semantic property.
1
2). Countermodel (example): an interpretation designed to show
the absence of a particular semantic property.
2. Categories.
1>. Intensional. 2>. Catensinal.
Infinite Tinite.
Concrete. Abstract.
Concrete. Abstract.
3. Abstract Translation (Key Skill) (clor't consider UV, Pr first)
1> 7x(Fx -> Gix): Everything if in F then in G.
= All Fs are Gis
2) Hx (Ix -> NGx). Innothing it in I Thou not in G
2) $\forall x \in fx \rightarrow \mathcal{N}G(x)$: Everything if in f then not in $G(x)$
= All Fs are not Gs
3). 7x (NFx -> Gix): Everything if not in F then in G.
45 7x (Bx => Gix): If in B then in Go and if in Go then in B
= B and D are richentical
5) ~ Ux (Bx => Dx): Not everything If in B then in Gr and
if in Gr then in B
= B and D are different

informal. equivalence.	6) Yx ~ (Fx <> Gix): Everything is if in F then not in
	= $\forall x Gx \leftrightarrow \sim G(x)$. Go or if not in Go then in F.
	= Everything is + exclusive or 6.
	72 Yx (Fx VGx): Everything is F or G.
	8). IXFX A IXGIX: There exist oth in F and there exist oth.
	in G.
	= F and Grave not empty
	9). 3x(fx 1/Gix): There exist sth. is in both F and 61.
	10) =xCFx A~Gix): sth. is in F and not in G
	11) IxCFx NG(x) -> ~ Ey Dy: If sth is in both Fand G.
	then nothing is in 1).
2.	
4.0	Informal Equivalence: helping abstract translation
	e.g. $N \exists x (fx \rightarrow NG(x))$.
	$= \forall x \sim C / x \rightarrow \sim G_{1} x).$
	= 4xC7x11G1x). Everything is in 7 and G.
J. 5	Finite Abstract Glodel Tips.
	1) Focus un Abstract Translation.
	-> use informal equivalence appropriately
	2) Foegin with a UD of 2 elements. (don't close right bracket).
	3) Stort with constants -> extentials. bracket).
	-> Beeause universal Q always has a conditional
	4) rechecking.

	e.g. [YacBx <> Dx). Ix(Ax/ ~ Dx), Ex Dx]. consistent
	S1: B and D are identical all true.
	S2: There exists 8th. in A and not in D.
	S3: D is not empty. UD: 90.13.
	B: 903
	D: 90}
	A: 513
	eg. Fa NMa. Yx(Mx VHx). NYx(Fx ← Hx) :: Yx (Fx→Mx) le
14-17-1 - 10-2	Prl. a is in F and M.
u ∀x(7x->Mx) = 3x (7x1~Mx)	Pr2. Everything is in M inclusive or 4.
	Pr3. Fard H are different
	~C. There exists 8th. in 7 and not in M.
	UD: 90, 1]
	a: o .
	F: 90,13
	M: 90}
	H: 913
	$a \circ A(H_{-}(I_{N} \Rightarrow G_{N})) : A \supset A(I_{N} \cap I_{N} \Rightarrow G_{N}) A : A : A : A : A : A : A : A : A : A$
	e.g. Ny zCfx -> Gx). :. N = x by 1 Fy -> Gx). Invalidity.
	Pr: == x CFx 1 NG(x): sth in F and not in G.
	$MC: \exists x \forall y \in Ty \land MG(x).$ $UD = \{0, 1\}.$
	= by cfynn 600 v by cfynn61).

$= [(f_0 \wedge \mathcal{G}_0) \wedge (f_1 \wedge \mathcal{G}_0)] \vee [(f_0 \wedge \mathcal{G}_1) \wedge (f_1 \wedge \mathcal{G}_0)].$
Fo: T
F1: T 总统: -T variable, 直接翻译.
GO: F Wariable A expand (3: A) V3
G]: 不重要. U:用人)先到出 UD 下的所有情
Maria Ma
e.g. Ux Zy Cfx <> Gry): Iy Ux Cfx <> Gry). Invalidity.
Pr1. = y (70 => Gy) 1 = y (71 => Gy).
=[c70 <> 610) v c70 <> 610] N[c71 <> 610) v c71 <> 611)]
~C: ∀y∃x C7x ←> ~ Gy).
= 3x67x=n610) A 3x67x=n61).
=[cfo=n60) v (fe=n60)] \ [cfo=n61) v (fe=n61)].
Fo: F 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
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Go: T
G.): F