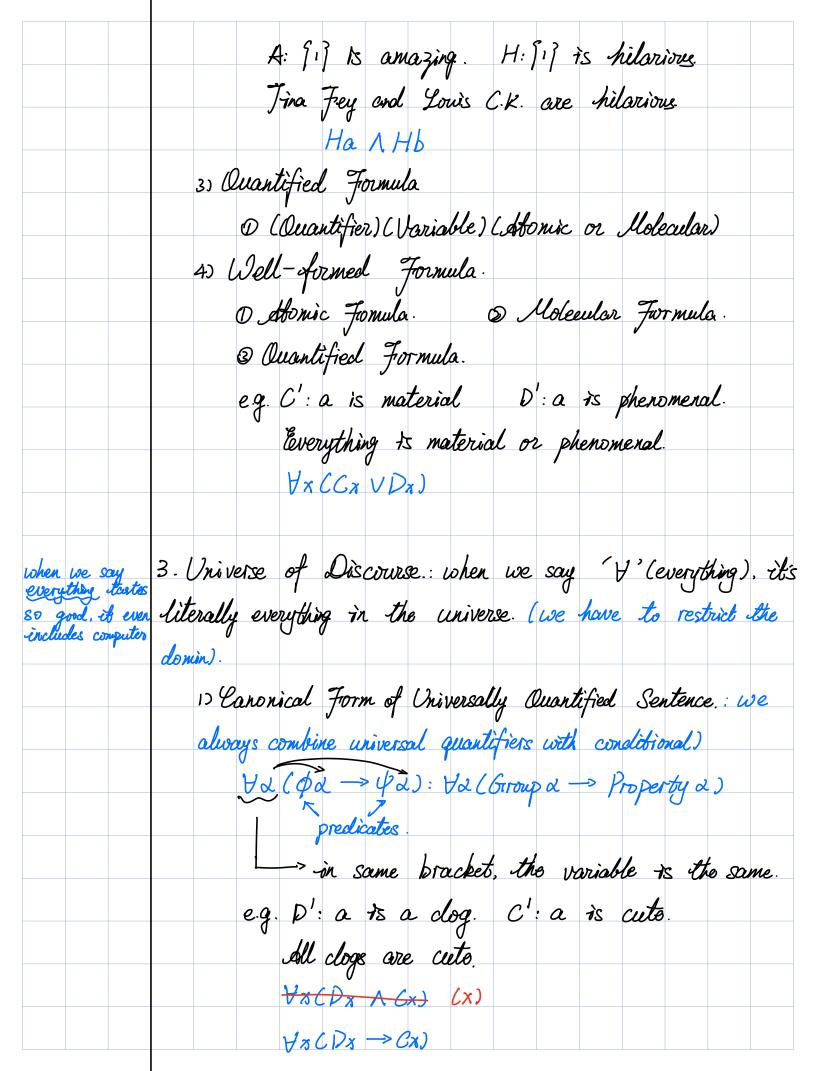
	Preclicate Logic
	1. Symbol of Predicate Logic
	1) Abonic Sentence Letters: P - Z 2) Logical Connectives: N, ->, ->, N, V sentential logic.
	3) Brackets and Parentheses: (), [] 4) Quantifiers
	D'Universal Quantifier: ∀ (for all) D'Existential Quantifier: ∃ (some, there exist, at least one)
	5) Individual Constants or Names: a-h 6) Variables: i-z
multiplace PL =	e.g. l don't like <u>cats</u> — 75 Operation Letters: a-h; also a°, a', a',
	85 Preclicato Letters: A-O; also F°, F', F', Preclicates 95 Identity Sign: =
	2. Abonic & Molecular & Quantified Formula. 13 Abonic Formula:
	© P-Z © C Predicate Letter) (Name Letter)
	3 (Predicate Letter) (Variable Letter) 23 Molecular Formula: Using N, ->, \improx>, N, V and paren-
	theses on atomic and molecular formulas. e.g. a: Louis C.K. b: Tina Fey.



	O Stylistic Variants
	-> All cloge are cuto
	-> Dogs are cuto
	-> The clog is cuto -> a dog is cuto
	-> Any clog to cuto
	-> If you're a clog. then you're cule
	D Complicated Restricted Clauses.
(a min part)	eg. D': a is a dog; C': a is cute; F': a hos a cube heed.
(group part) the restricted	Dogs with cube heads are cute.
clause can change between	$\forall x (D_x \land F_x \rightarrow C_x) \text{ or } \forall x (F_x \land D_x \rightarrow C_x)$
N'and ->'	YxCDx->CFx ->Cx)) or YxCFx->CDx->Cx))
clause cont (property part).	e.g. D': a is a clog; G': a is a cat; F': a is fluffy.
7 1 3 7	Cats and Dogs are fluffy.
	$\forall x \ CDx \ V \ Cx \longrightarrow F_{x})$ or $\forall x \ Cx \ VDx \longrightarrow F_{x})$.
	サ×CDx→Fx) ハ サ×(Gx→Fx). 可使用相同 variable. 因的 在bracket 内が生故.
	EDIECKES INT A 2 500.
	3 Complicated Preclicate Clauses.
	e.g. D': a +s a dog; C': a +s cute; F': a hos a exphere had
	H': a 15 hilarione
	Sphere headed dogs are cute and hilarious.
	$\forall x (D_x \Lambda T_x \longrightarrow C_x \Lambda H_x) \text{ or } \forall x (F_x \Lambda D_x \longrightarrow C_x \Lambda H_x).$
	YXCDX -> (Fx -> CXNHX)) or YXCFX -> CDX -> (CXNHX).
	23 Canonial Form of the Existentially Quantified Sentence.

The inner 15 relivoy on 17	Ja (φ & Λ φ d): Jd (Giroup & Λ Property d)
then quantifier to an existen-	(Some of's are y's; At beart one of is a y; There is a of that is a y).
	e.g. F': Sis is a rapper: H': Sis from Jorontos
	K: 913 is started from the bottom. There is a rapper from Joronto who started from the
	Jotton. 3x C Fx N Hx NKx).
	3) Tranform
	D Not All (N Yx(Fx → Gx)) = Some Is not (∃x (Fx ∧ NGx))
	\oslash None of, $L\forall x CFx \rightarrow v G(x)$
	= Not something to (~ Ix (Fx 1 Gix)) e.g. F': a is a restaurant; G': a is good.
	Not all restaurants are good. $\sim \forall x \in \mathcal{F}_x \rightarrow G(x) \text{ or } \exists x \in \mathcal{F}_x \land \sim G(x).$
	e.g. a: Joe; A': a to sad; F': a to a store; G': a to open; J': a to good; K': a to weather; M': a to
	a person; N': a is on the street; 0': a is nice.
	Assuming that none of the stores are open. Joe will be said unless there is good weather and the
	people on the street are nice. Hx (Fx -> ~ G1x) -> (Aa V(Ix (Jx AKx)AHx(MxMx-> 0)

