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			1	

> Complement:
Class: Collectron of entities that shore a certain character stic/altribute
Character stic/altribute
Complementary Class: don't share
Clars = males
Complementary class: non-male
Relative confirmentary class: Within ashpucess
entities that do not
Superclass= Aumans Share a Certain characteristic
Clars = males / attribute.
Relative complementary class = females
Complement of a complement of class = Class
Square of opposition is used in order to draw immediate inference on the basis of logical opposition.
Immediate inference = Inference that can be drawn provided one proposition.
Provided only one proposition, you can infer a new proposition.
Logical oppositions = Relationship between categorical propositions.
Logical oppositions - heladionship between categorical propositions.

	Immediate Inferences
	(i) Xchq subj & predicate
	(i) Xchq subj & fredicate (ii) being ar avoiding repeatives
(1)	No dyson cate When 18 hoth
	No cate ou digs
(2)	Then from a given statement, we can derive another proposition. We have names for such statements:
	Convertend is the original proposition, whose truth value is known.
	Converse is the proposition derived through conversion.
	Converse follows from its convertend (original).
	One proposition is converse of the other.
	What kind of sentences can be converse of each other?
	Conversion is possible when there is one object that has characteristic of S as well as P. Not necessary (Some type)
Zut	H type connot have conversions
	Similarly Otype
	Conversion = Forming a new proposition
	(i) by interchanging the subject and predicates
	(ii) Not changing the quantity and quality (some remains some, and no remains no).

	Obversion:
	Au place to so le in set a in a
	Anobject con le in a set orin a Complement
	Suppose
	Prop= Some student is indoors
Some and.	Obverse : Some student is not mon indoors
acl	Prope: All Students on indeans
	Obsperse: No student i's mon indoens
F	hop: All graduates are literate
Ć	10p: All graduates are literate 15 v Rop: No graduates are non literate
	e relationship is called obversion.
	iginal proposition is called the obvertend.
	ferred proposition is called the obverse (which was tagged as obverse oposition in earlier slides).
	bversion is arriving at a proposition by
	ce-versa)
(ii	i) replacing the predicate with its complement Cost the Subject
	Otype: some boliticions are not smort
	Otype: some politicions one (non) smort

Contraposition

In very short:

If you find an object in a set, then you won't find it in complement set. If you find an object in Q, then in non-Q, you won't find it.

If you find all students indoors, then in non-indoors, you won't find students. You will only find non-students there.

P: all voters on citizens All non citizens on non votus

Interchange the subject fredicate and use their complements

S-> nonp p -> nons

Some students one NOT idealists Some non idealists one NOT non students

If you find an object in a set, then you won't find it in complement set. If you find an object in Q, then in non-Q, you won't find it.

If you find all students indoors, then in non-indoors, you won't find students. You will only find non-students there.

If all the students are inside the class, then outside the class, there are only non-students.

