BUT WHY DID ARISTOTLE NEED TO SAY THAT HE DID NOT WANT TO **DEAL WITH IMAGINARY THINGS?** WAS HE TRYING TO SOLVE OR AVOID A PROBLEM? YES. For understanding the problem Aristotle was trying to avoid, let's look at what happens when you do logic with imaginary things. Let's discover the problem. I type: Some apples an norther

(1) find anapple Sexists

(2) Check for not Seelings to class P Similarly O-type -) Subject must be existent in both cases What do we call the situation, where the a statement can only be true when its subject exists? What do we call the situation, where, if a statement is true, it means that its subject term exists? Existential import! So, we will say that I-type and O-type statements have existential import.

neason is that both I&O type con be false

Traditional square of opposition runs into problems when we include imaginary things into logic.	
Solution?	
Solution 1: Totally do away with the traditional square of opposition. But that's idiotic. The problem is not the square of opposition. It works well when we are doing logic with existent things! The problem is not the square, but the imaginary things.	
Solution 2: Totally do away with the imaginary things. And that's the solution Aristotle went with.	
Aristotle separated stuff of literature from the stuff that requires reasoning and logic. Stories can take a flight of imagination, create imaginary worlds, and decide the rules of the world. It is pointless to look for logic there.	
Remember	
Aristotle rejected doing logic on non-existent things, but it his system can still be used for such things for doing thought experiments, and teaching/learning logic.	

If a statement is true, its subject tem exists in the world. A statement needs a real-world
in the world. A statement needs a real-world
reference in order to Intrue.
L) assentant
E) essential E) not sufficient, it should beint
(Some type have existential import. (Some type) (i) Sexists, downt exist in P
tune) (i) Sexists, downt exist in P
* Aristotelian Lopic doesn't deal with fictional things
A type & E type > have existential imports, But we don't consider fictional Stuff
but we don't consider fictional
Stuff
(i) because if we consider fictional stuff
Na O type both can be false
(ii) thought experiments can't be done =) 1 (59 of Opposition) Cworld works "as if " Higgs Boson
=) 1 (Coold works "as if" Higgs Boson
exists the later many the bus
happens Evenknow how it my look) -> proportions about null sets
propositions aboutpules to
The Broblem is existential import, according
The problem is existential import, according to some others.

Possibility 2. Proposed by George Boole.
Possibility 2. Proposed by George Boole. Hence called "Boolian interpretention"
Boole: ALE -> no existential import
I A type & E type can be both true
•
ALE =) A type shall be Vacuously two E type
T 0 0 contaction 0
I l O con be both (I has existential import, but a development)
=) no subaltern => subaltern is WRONG) acc to Book
Tologia
remain! A E.
Concouction
I/ O
modern/Boolean/Peano's Square of Opposition.
Square of Opposition.
Modern/Boolean =) existential fallacy amoid
Motoker greasonly

Modern/Boolean interpretation relies on avoiding the existential fallacy.

Existential fallacy = Mistaken reasoning from presupposition that a class/set has members, even though that has not been explicitly implied.

In other words, it is the mistaken reasoning arising from the presupposition that all propositions have existential import.

E.g.: From the proposition, "All unicorn have three legs", concluding that "Some unicron has three legs" is existential fallacy.

It has not been explicitly stated that the class 'unicorn' has members. Therefore, the conclusion about some unicorns is wrong.

P.S. [A-type about unicorns will always be true, so O-type will always be false, and then you do not have to worry about finding a unicorn. Because a unicorn does not exist, you expect O-type to be false.]

Austolk's system
Commitz the fallacy,
but says dont
do ingrinary shif

What's Vacuous truth
Cripty statements one true:
Implication: relationship hetween 2 propositions first one is anteredent second one is consequent
i'f itroups, then we use an umbrella I fone injuste cyanide, One dies
Let's understand this with the truth table for implication:
if one is a murdered one i's acaiminal
M C M-) C 1 0 0 1 1 -) Pacaous truth
All uniconns have wrigh (what do define a uniconn as phorph) Paraphaesed If uniconnsore found to exist, then they Shall be found to have verys This is an implication

Vecceous truth do not add any information/ knowledge.
knowledge.
Dis B Dis not B both true
Ais B Nis not B both true thun you have no into on A&B
But you rescued the square of opposition
J = 3 3 3 4 3 7 3 7 7