	Rule 2. Distribute the middle term in at least one premise.	
	All priests follow scientology.	
	All Logicians follow scientology.	
<b>V</b>	All Logicians follow scientology.  Therefore, all Logicians are priests.  Problem?  Luted, but Scientology would be chick, but of No priests followed, but Scientology would be chick, but Scientology would be seen to be seen t	
,	Problem?	•
Chishyl	that I but Sciented pay would be chick but of No pricets of	lo
0, 4, 13	Recall distributed vs. undistributed term with respect to a proposition?	- A
	A term in a proposition will be distributed if the proposition refers to all members of the class designated by that term. Otherwise the term is undistributed.	<b>7</b> 7
	Is priests a distributed term? Look at the proposition where the term occurs.  Is Logicians a distributed term?	
	The fallacy of undistributed middle = Fallacy committed when the middle term is not distributed in any of the premises.	
Junemen	<u>^</u>	
Huse	Rule 3. Any term that is distributed in conclusion, must be distributed	
	in premises.  ) nord, sterbuted	
	All Indians are Asians.	
	- No Chinese are Indians.  Therefore, no Chinese are Asigns I distributed	
	Therefore, no Chinese are <u>Asians</u> .	
	Two interpretations:	
	Two interpretations:	
	Indians Chin.	
	It may seem obvious to you. But it gets quickly confusing when you replace some of the terms in:	
	All dogs are mammals.	
	No cats are dogs.	
	Therefore, no cats are mammals.	
	Therefore, no cats are manimals.	
	with:	
	All puppies are dogs.	
	No cats are puppies.	
	No cats are puppies.  Therefore, no cats are dogs.  Valid? Don't use common sense!!  Syllo yist is common sense!!	•
	of my haden	<b>/</b> A
	Valid? Don't use common sense!!	مر
	'All puppies are dogs' is given. But what you are sneaking in is the hidden premise that 'All dogs are/were also puppies'. But this information is not given anywhere in the argument! You assume it to be true from common sense. Don't do that. This argument is invalid!	

	This was about major term. Let's look at the	e minor term.
	All Indians are Asians. All Indians are humans.	
	Therefore, all humans are Asians.	
	This is a faulty conclusion. It does not have	to be true all the time.
	Three interpretations possible.	
	1. Superset Asians, subset humans whose	subset Indians.
	2. Superset Humans, subset Asians, whose	
	3. Indians is the subset of both Asians and	
	Fallacy of illicit broces	torm distin Y Anclusian
	y social for the social	term dest in Konclusion but crot in any pumise
	CIL illicit major	7
	Sub illicit major Catyones illicit mijos	
	Rule 4. Avoid two negative premises.	
	No whales are BITSIANS.	$\left(\begin{array}{c} \overline{D} \end{array}\right) \left(\begin{array}{c} \overline{W} \end{array}\right)$
	Some BITSIANS are not females.	E
	Therefore, some females are not whales.	01
	True?	91
	But is it valid? Draw a Venn diagram.	BWFW
No BITS	hales are BITSIANs TSIANS are cats.	B) (Wa)
not wha	fore, some cats are whales? No cats are whales? some cats are	
the cats	remises provide no information about the relationship between ats and whales. Therefore, you cannot conclude anything about elationship between the cats and whales.	
	So, what's going on?	
	Two negative premises cannot provide a valid conclusion.	
	This is because negative premises only deny the inclusion of major an middle AND inclusion of minor and middle.	nd
	They do not state anything about the inclusion of major and minor.	
	X is not Y. X is not Z. We cannot say whether Y is/isn't Z.	
	Rule 4. Avoid two negative premises.	
	Fallacy of exclusive premises = The fallacy committed when drawing conclusion on the basis of two negative premises.	a

Rule 5. If any of the premises is negative, the conclusion cannot be affirmative.  No BITSIANs are politicians Some girls are BITSIANs
Therefore, some girls are politicians.  Problem?  Affirmative conclusion says that some or all of S is in P.
This is only possible when you have established that all or some of S is in middle and that all or some of middle is in P.  This requires making affirmative propositions. Negative propositions cannot establish this relationship.
This is called the fallacy of affirmative conclusion from a negative premise.

	Rule 6. From two universal premises, no particular conclusion can be drawn.
	Equine is the family of horses (like feline is the family of cats and canine is the family of dogs).
	All equines are horses. Boden interpretation All unicorns are equines.
	All equines are horses.  All unicorns are equines.  Therefore, some unicorn is horse.  Valid or not?  ALE type has  no existential  import
	no existential import  The syllogism is invalid because of existential fallacy = Fallacy committed when drawing a particular conclusion from two universal premises.
So they ca All kookoo Is that a tr	ype statements have no existential import. an be true, and yet do not have to be about things that exist. are baba. ue statement?
Yes. Beca So, you c	use you cannot find any kookoo or baba. Because they do not exist. annot deny the statement.
So, all-no	one type statements are always true in Boolean interpretation.