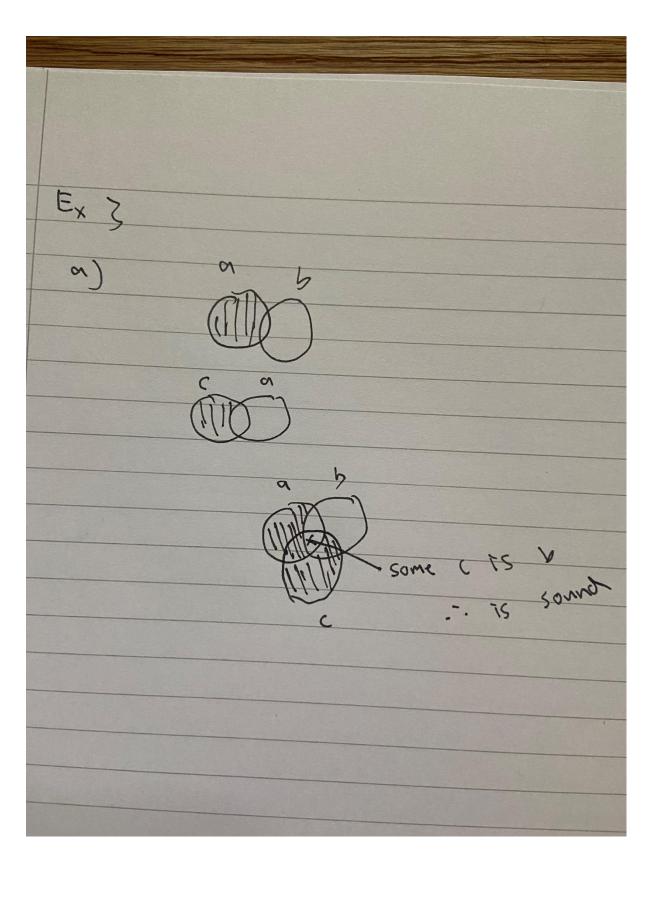
## **CL-TUTORIAL 3**

	CL Tutorial 3
	Ex1)
	universe = students
	a = dilligent b= ignorant
	C= SN(CESAN)
	2011(62)601
	9 F C b F 7 C
	9 k - b
•	
	a c b c
	some a is b
	C
	Therefore a = c b = 7c
	a 1776
	is unsound,
	Counter'.
	suppose Jim is a sugar, dillion
	suppose Jim is a successful dilligent student but not an ignorant student. As nothing
	else exists the syllogism is disproved
	the Academy of are brosses

Ex 1b)		
Unliketse of animals		
a=eagle b= can fly	Berling from	
c=pig	a + b b + c	
9 F b C F b	Le MilHen;	
a p	CED OF B  CED  denying conclusion 2nd premise.	
c \perp p	9 + b C + b	
	it can be derived.	
C Ha		
Hence the conclusions one not congled diagram.	es is sound via verm	

Ex 2 For any sound sylogism there has to be an even number of 17 symbols For any sound syllogism there must also be an even number of 7 symbols. No animals are unitaris Take my 79 = 6 1 All unicorns are horses b=c some horses are not animals top a Tatab bec cta odd number of # and odd number of tell us the syllogism is not sound.



36)
From the sound syllogism a = b C = 70
we get an equivalent syllogism (#76
Another sound syllogism where CATO
btc att
denying the conduction
gives
6 FC 9 FB
Sulpring a = c 16 = a 1 (= b
atb (ta
As ( = b where a = b ( = a, and the existential assumption implies c = 7b.
Therefore all cta implies (#76.
Aristotle's Syllogism derived.

E5)		
	1)	(:P) A VII VII TI . P .
		(is Big 1 is Amber) \ has Thick Border  (is Small \ ≠ ¬ is Disc)
		(is Small 1 is Square) = 7 is Amber