	QUESTION: 01
	Write any 15-20 FOL facily retailed 16
	any domain.
	Answer:
	1- For all natural numbers no nis greater mano.
	FOL: \forall n >0)
2	In a triangle, the sum of angles is 180°.
	FOL: $\forall t \left( \text{Triangle}(t) \right) \rightarrow \left( \angle A(t) + \angle B(t) + \angle C(t) = 180^{\circ} \right) \right)$
7	Newlon's second law stales that force equals
5	mass time acceleration.
	FOL: Yo (Object (0) -> (Force (0) = Mass (0) * Acceleration(0)))
,,	In binary search tree, au values in the left
4-	Subtree are ress man me voot value.
	FOL: Yb (Binary Search Tree(b) > (Yn (Node(n,b) > Value(n)<
	00106(0)111
5.	Au english nouns can be pluralized by adding
	15 <sup>1</sup> .
	Fox: Un (English Noun(n) > Pluralize (n)= n+ 's')
6.	Vaccination prevenis certain diseases.
	FOL y d(Disease (d) > Prevenis (Vaccination), d)).

7-	In most legal sysiems, the minimum age for	
	voting is 18.	
	FOL: VI Legal System (1) -> Minimum Loting Age (1, 18)).	
_		
8-	All planels in solar system orbit the Sun.	
	FOLA 4p (Planet(p) > Crbit(p, Sun))	_
9_	Chemical reactions involve the rearrangement	
	of aloms.	
	FOL: Yr (Chemical Reaction(r) > Reauangement of Alors (r))	
10_	Waler consists of two nydrogen alons and	
	one oxygen alom.	
	FOL: Yw (wale (w) > (3h13h2 30(Alom (n)) ~ Alom (h2) ~ Alom (h3)	
11-	(omposed of (w, h1, h2, h3))).	
	FOL: U.h (human(h) > has capacily for Learning (h)	
12 -	Beemoven composed the ninth Symphony.	
	FOL: Composed by (Ninth Symphony, Beethoven)	
13-	In a market, when demand exceeds supply,	-
	prices vise	-
	FOL: Vm (Market(m) > (4p (4d (4s (Product(p))) Demand(p,d,m))	1
lu.	Adjectives modify nouns in a senience.	))))
1112	<b>V</b>	200
	FOL: $\forall s (Senience(s) \rightarrow (\forall a (\forall n (adjective(a) \land Noun(n) \land Modif$	)
IS-	In basketbau, leams consists of five player	2C
	each.	
	FOL: Vt (Basketball Team (t) -> (Numer Of Players (t)=5	))

16-	All oak wees are decidous.	
	FOL: VO ( Daktree (0) -> Deciduous (0))	
17-	Shakespear's work includes (Romes and Juliet).	
	FOL: Includes works (Shakespeer, "Romeo and Juliet")	
/8-	River flows into larger bodies of warer.	
	FOL. Y r (River(r) -> (31 (Largebody of water (1) )	
	Flows (nilo (r, 1))))	
19-	In United States, the Constitution is the supreme	
	Law of the Land.	
	FOL: Supreme Law (Constribtion, United States)	
	Sludenis must pass all required courses is	
20 -	graduale.	
	FOL: 4s(Sludent(s) > (4c (Required Course(c) > Passed	
	(ac))))	
		-
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