OUTE EDININACE -> Eheck for entailment: 1. If A(Alice is nother of Bob) is true then
B(Bob is the father of Charlie) must also be true
(A->B) 2. If B is true then CCBds is a parent) must be true (F>F) & M(Alice is a parent) must also be true (M>P) 3. If both Alice & Charlie are parents (i.e. H&F are true) then & (their dildren are silling) are true) then S (their children and silling Must be true. (P>S)

4. Since S in true, the hypothesis Q ("Chanlie is Silling of Bob") is true.

Conclusion:

Using Propositional logic we can conclude the hypothesis "Charlie is a silling of Bob" is my othesis "Charlie is a silling of Bob" is contacted by KB Cknowledge Base).

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	Lab-7 [First Order Logic Unification]
	THE RESERVE OF THE PROPERTY OF
	Key Steps: Same predicate symbol: The predicate symbols in the expressions must match.
4	Same predicate cumbol: The predicate symbols in the
	expressions must worth.
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2.	Same number of arguements: The expressions must have an equal number of arguements.
	an equal number of arguments.
3.	Variable conflict repolution: Variables connot take multiple conflicting values
	conflicting values
ч.	No conflicting function symbols: Different function symbols (annot unify. Example:
	carnet unity.
	Example:
-	Expressions:
	1. Knows (f(x,y), g(x))
	Expressions: 1. Knows (f(x,y), g(x)) 2. Knows (f(Alice, Bob), g(z))
	Steps:
	1. Compare Predicates:
,	Both are k news, so proceed to unify the gravements.
	· ·
	2. Compare Arguements:
	=> Arguments 1: f(x,y) rs f(Alice, Bob): substitute: x = Alice, y = Bob
	substitute: x = Alice, y=Bob
	=> Argument 2: q(x) vs q(z): Substitute: z = Alice (lince x=Alice)
	Substitute: Z = Alice (lince x=Alice)