* Create a knowledge base consisting of first order logic statements and prione the given query using forward reasoning. function FOL-FC - ASK (KB, &) inchuren a isubstitution or false input: KB, the knowledge base, a set of first-order definite clauses a, the guery, an atomic senturce local variable: new, the new sentence injured on each storation. orepeat until new is empty new 4 }] for each sule in 168 do {P, N --- NPn => q) + STANDAR DIZE - VARIABLE for coch Busuch that SUBSET (O, PI A ... A Pn) = SURST (O, Pi A --- A P') for some P, --- Pa In KB 91 + 30BST (0,9) of g' daes not onify with some sentence already in KB an new then add g' to new Q ~ UNIFY (g', x) it pis not fail then retwen of add new to 1813 return false.

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	The same of the sa
: ::==================================	21
- Lee	OUTPUT:
	criminal (Robert) is proven !
	Infuned Facto:
	Sello (Robert, TI, A)
	Francy (A, America)
1	Weapon (TI)
	Missile (A)
	criminal (Robert)
E WOO	American (Robert)
	1 or
	John (A, TI)
	13 2 ciam
	The late will be the state of
(4)	Occupation (Entity, Surgeon) V occupation
A Pal	(Emily, carriers)
	1 (24 A = -4 19 , 0) 729 v2=
(9)	Occupation (JOE, Actus) A F. (Occupation (Jae,0)
	1 0 f Actan)
and of	derest with the test was to
es	Vp (occupation (p, surgeon) > ensomer (308, p))
ds	Is tocempation (P, lawyer) A constoner (Job, A)
()	7,5 (Bass (P, Enity) A Oleyation (P, langer)
4\	Is (occupation (Palaryer) A tri (customer (a))
	> nouth of (c. porton)
- 1	→ occupation (c, porter) → Te (occupation, I lay
5)	A (astoner (1), 1))