SOLUZIONI ES. 2 $\neg \left((A \rightarrow B) \land (A \rightarrow \neg B) \right) \rightarrow \neg A$ 1)a (A >B) a(A > B), A A>B A>>B, A 7A, A > 7B, A

B, A > 7B, A BITALA BITBIA [((A >B) ~A) ~ A] (A >B) >A, ~A 1A-B),7A A,7A A,7B,7A

c) 7 ((A > B) > B) > ((B > A) -> A)] (A + B) + B, - ((B + A) - A) $(A \rightarrow B) \rightarrow B$, $(B \rightarrow A)$, $\neg A$ T(A >B), &B >A, TA B, B >A, TA $A, 7B, B \rightarrow A, 7A$ B, 7B, 7A B, 7B, 7A A, 7A(2) Trospono ra ni clausole $\neg (A \rightarrow B) \land (A \rightarrow \neg B) \rightarrow \neg A =$ = - (-(A+B) (A++B) -- A) = (De Tagon) = 7 (7 (A -> B) v 7 (A -> -B) v 7 A) = (Do Ragou) = A-SB A A->7B A A = = (7 AUB) N (7AU7B) NA =D & \7A,BB, \7A,7B), \A) Applico Don's - Putuon A-pisot 3285, 5-85) B-prist 20) =0 Fa é moddif. =0 a toutel

Frosfamo & w forme d' Skolem q = tx (A(x) - 3 Jy B(f(y)) = = Ux Jy (A(x) -> B(f(y))) φ² = 4x (A(x) -> B(f(g(x))) H(es)=2c, P(c), q(c), P(g(c)), q(P(c)), --Une interpreted. d'Herbrand due sodd'efe pe é I'(A) = \$ Oppure I(A) = dcy IH(B) = 27(0(1)) I+(A) = 4 c, g(c) } I+(B) = 4 f(g(c)), f(g(g(c)))} (h) of A(x,y), A(y, 2) of of (a, f(u))) (crco d' mifron l'inseine E = { A(x, J, A(y, t), A(u, f(u))} D(E) = 2 x14, 12) = pougo 1= 1 = 12) Erz = 1 A(u,y), A(y, x), A(u, f(u)) D(E0,)= du, y) => poups 02= duly) E0,02 = of A(u, e), A(u,2), A(u,2(u)) D(E0,02) = 1 ex, 2, 2(u) = poupo 03=42(u)/2) E 0,0203 = of A(u, a), A(u, f(u)), A(u, f(u))) D(E ocoso) = { u · f(u)} dato do questo enarties han chance's is eviden van all enument men a abdance and contença la variabile, altre l'harriere var é meiliable.