Programa 3 91 there is no satisfacte arriganted Knowledge Base - Fritailmed [FBI20] a from sympy what symbols And hox (X = B) Knowledge Bas Function At create knowledge box () Define proposition symbols knowledge bow wing p = symbols (1 p1) Q = " (Q) - of the man page knowledge Long = And(Implies (p, q), Not(n) 2 Query Entails Function every sphelipand menter det query antails (knowledge bure query) Takes knowledge bang Query as input entailement = satisfiable (and (knowledge - Checks 4 KB antails equery. homeinthe for neuter By hoking if they exist any catifying and and mont when conjunction of the KB & highlight of young is (R61-0) Rle = (roote knowledge-boro() going = Sombos (" p) menul = query entais (the grey) satisfable/

print ("Knowledge Rasi" kts)	Thus, not entailing.
print ("Overy entails knowledge base." result) Output: Knowledge Base: ~ n & (Implie (p. 96) &	D > Stis & surmy 20 → Sgo to a picni 27 → S carry an underest 17 → S carry an underest 10 → 20 → 11 is surmy S go to a premi " S go to a
Knowledge Base: N T & (Implies (\$ 96) & Implies (\$ 17)). Query entails Knowledge Base: False	G=771 If I go for purily scory an umbru
P Q M P 2 Q 3 N ~ M D 5 N - Q T T T T T T T T T T T T T T T T T T	Octory) So it Jumny ! (No!)
Satisfiable	The second of the second

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Harshala Rani-1BM21CS074
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Knowledge Base: ~r & (Implies(p, q)) & (Implies(q, r))

Query: p

Query entails Knowledge Base: False