

```
from
# code
 from Sympy import Symbols, And, Not, Implies, Sedupose
 del overta KB();
   P= Symbols ("P")
                           define
   2 = {ymbols (~2)
  r = symbols ('r')
   Knowledge-bare = And (
          Imphes (P,8),
         Implies (2, 2)
          Not (r)
    rotun KB
del gary_entails (KB, quary): condition to entaily s
      endulment = Satisfiely (And ( unowledge hare, Not (query)))
       return not entailment
A - none -== "main_":
     KB = Creak - KB()
                                    computation
     quest = symbols ('not p')
     result = query - entails (KB) query)
     Print (" Knowledge Bone:", KB)
    print ("ques:", ques)
     Print ("query entured KB:", result)
   KB: ~8 (Implies (P, a)) & (Implies (2, VI)
 Quany! (not, P)
 Qury entack KB: Fahl.
```

Output:

Knowledge Base: ~r & (Implies(p, q)) & (Implies(q, r))
Query: p
Query entails Knowledge Base: False

[] Start coding or generate with AI.