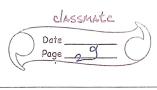


classmate

() Pale 27 ()) Steps: Exit Condition The deson types exit, the work and end Code def vosoultion (knowledge base, growy): clauses = knowledge-base + [frozenset (5~ query 3)] while Touce: new- dallses = Let () for : in orange (len (dauxes)):
Par ; in vange (i+1, len (element)) sasoluents = our olice (dauses Ei] clauses[ ] if favzensot () in ourolivent: new-dauses update Coresoluents ) of new\_dauses, issubset dauses). return Falso clauses, update (new clauses) def vienotice (ci,c;): viesoluents = set (2 foer di in ci: for do inci: : + li = = of ou o'li = = di casolacint - (ci- 5.113) (cj-44.3) easolients add (frozenset (oasolient) vieturn vasoliants

knowledge base = [] while Touce: claire = input ("Forteer a claime for the Knoucledge base (oci 'done ' to finish): if dause loucer () = = idone : break Knowledge base append Chosenset (eval (dause)) query = eval (input ( .. Embee the query: ">)) presult = resolution (knowledge base, query print (2" Is & query y entailed by the Output Enter a clause for the knowledge base (or 'done' to dimish ): 2p, ~ Enter a clause for the finiouoloolgo, base (or 'done' to finish? - & ~p, 4 2 Enter a valouse ignos the knowledge fase (og chone to glimish):

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Entor à clause don the knowledge pase Con dono? to finish )? done
Enter the query: P
Is presolved by the knowledge base? Falso
A STATE OF THE STA
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