function FOL-FC-ASK(*KB*, α) **returns** a substitution or *false*
  inputs: *KB*, the knowledge base, a set of first-order definite clauses
         α, the query, an atomic sentence

  while *true* **do**
    new ← { }   // *The set of new sentences inferred on each iteration*
    for each *rule* **in** *KB* **do**
        $(p_1 \wedge \ldots \wedge p_n \Rightarrow q)$ ← STANDARDIZE-VARIABLES(*rule*)
        for each θ such that SUBST($\theta, p_1 \wedge \ldots \wedge p_n$) = SUBST($\theta, p_1' \wedge \ldots \wedge p_n'$)
                for some $p_1', \ldots, p_n'$ in *KB*
           q' ← SUBST(θ, q)
           if q' does not unify with some sentence already in *KB* or *new* **then**
               add q' to *new*
               ϕ ← UNIFY(q', α)
               if ϕ is not *failure* **then return** ϕ
    if *new* = { } **then return** *false*
    add *new* to *KB*