function FOL-BC-ASK(*KB*, *query*) **returns** a generator of substitutions
  return FOL-BC-OR(*KB*, *query*, { })

function FOL-BC-OR(*KB*, *goal*, θ) **returns** a substitution
  for each *rule* **in** FETCH-RULES-FOR-GOAL(*KB*, *goal*) **do**
    (*lhs* $\Rightarrow$ *rhs*) $\leftarrow$ STANDARDIZE-VARIABLES(*rule*)
    for each θ' **in** FOL-BC-AND(*KB*, *lhs*, UNIFY(*rhs*, *goal*, θ)) **do**
      yield θ'

function FOL-BC-AND(*KB*, *goals*, θ) **returns** a substitution
  if $\theta = $ *failure* **then return**
  else if LENGTH(*goals*) = 0 **then yield** θ
  else
    first,*rest* $\leftarrow$ FIRST(*goals*), REST(*goals*)
    for each θ' **in** FOL-BC-OR(*KB*, SUBST(θ, *first*), θ) **do**
      for each θ'' **in** FOL-BC-AND(*KB*, *rest*, θ') **do**
        yield θ''