Laboratorio de Inteligencia Artificial

REGLA DE RESOLUCIÓN

Calcula la **resolvente** que se obtiene en los siguientes ejercicios:

Los ejercicios obligatorios están en **negrita**, los otros son de refuerzo. Si ves que el obligatorio no te ha salido a la primera y sin errores, es conveniente que hagas de refuerzo de su mismo nivel hasta que eso ocurra.

1. **r(Y)**
   s(H)|!r(H)

2. **!r(a)**
   r(Y)

   2.1. p(H)|d(H)
   !p(a)

   2.2. p(h)
   !p(W)

   2.3. v(Y)|!b(Y)
   d(U)|b(U)

3. **v(g(b))**
   !v(X)

   3.1. p(f(a))
   !p(Z)|t(Z)

4. **s(H)|!r(H)**
   q(X)|r(Y)

   4.1. c(Z)|p(Z)
   !p(a)|i(a)

   4.2. v(Y)|!b(Y)
   d(U)|b(U)

   4.3. v(Y) | !b(Y)
   d(U) | b(U) | !b(a)

5. **q(X)|r(Y)|s(Y)**
   s(H)|!r(f(b))

   5.1. !g(X,f)|g(X,j)
   !e(Y)|g(Y,f)|p(Y,j)

   5.2. !e(X)|!g(X,f)|g(X,j)
   !e(Y)|g(Y,f)|g(Y,j)

6. **!p(U)|!d(U)|i(U)**
   d(a)

   6.1. a(T,c)|!b(T)|!a(T,n)
   a(m,n)

   6.2. g(a,n)
   !g(a,W)|!g(m,W)|e(W)

7. **s(H)|!r(H)**
   q(X)|r(Y)|!s(a)

   7.1. !s(a)|!r(H)
   q(X)|r(Y)|s(Y)

   7.2. p(H)|!t(H)|v(b)
   t(a)|!v(U)

8. **s(H)|!r(H)**
   q(X)|r(Y)|!s(Y)

   8.1. d(X)|!f(X,a)|f(X,b)
   !d(Y)|f(Y,a)

   8.2. p(X)|!q(X)
   !p(a)|q(a)

9. **p(X, f(X), g(h(Y), c), Z)|q(X)|r(Y)|s(Y)|u(Y)**
   !p(W, H, W, A)|s(H)|r(H)

   9.1. h(T,f(g(a,L),Z))|p(T)|r(L)
   !h(b,f(g(a,f(W,c)),h(Y,X)))|q(X)|s(Y)|!v(Y)

   9.2. !p(Y,g(V,a))|q(Y)|r(f(Y))|s(b)|t(V)
   p(f(X),g(U,Z))|p(X)|!v(Z)

10. **!p(W,H,W,a)|s(H)|r(H)**
    p(X,f(X),g(h(Y), c),b)|q(X)|r(Y)|s(Y)|u(Y)

    10.1. q(Z)|p(f(Z, Y), Z, g(j(U, V)), U)
    r(T)|!s(T)|!p(T, a, g(T), c)

    10.2. r(X)|s(f(X))|!q(X, h(j(d)), f(g(c), X), U)
    s(Y)|q(a, h(Y), f(g(W), b), Z)

11. **!p(W,H,W,a)|s(H)|r(H)**
    p(X,f(X),g(h(Y), c),b)|q(X)|r(Y)|!s(Y)|u(Y)

    11.1. r(X)|!p(f(X))|!q(X, h(j(d)), f(g(c), X), U)
    p(Y)|q(a, h(Y), f(g(W), b), Z)

    11.2. q(Z)|p(f(Z, Y), Z, g(j(U, V)), U)
    r(T)|!q(a)|!p(T, a, g(T), c)

12. **r(X)|p(X)**
    !v(Y)|!d(a)

    12.1. q(f(X))|!r(a)
    s(Z)

    12.2. !t(b,a)
    s(X,Y)|p(m)

13. **p(f(d,X))**
    !p(f(Z,e))

    13.1. !q(X,f(b))
    q(a,W)

    13.2. !r(Z,f(T),a)
    r(H,G,K)