

Unification Solutions

Unify, if possible, the following pairs of predicates:

$P(g(h(x)), f(g(h(b))), f(x))$
 $P(y, f(y), z)$

$\{ g(h(b)) / y, b / x, f(b) / z \}$

$P(g(h(x)), f(h(y)), y)$
 $P(g(z), f(z), h(a))$

$\{ h(a) / x, h(a) / y, h(h(a)) / z \}$

$P(x, h(b), h(x))$
 $P(f(g(y)), y, h(f(g(h(a)))))$

Does not unify

$P(x, g(x), z)$
 $P(f(y), g(f(b)), h(y))$

$\{ f(b) / x, b / y, h(b) / z \}$

$P(f(g(x)), g(b), h(x))$
 $P(f(y), y, h(c))$

Does not unify

$P(x, h(x), h(y))$
 $P(f(g(z)), h(f(g(b))), h(z))$

$\{ f(g(b)) / x, b / z, b / y \}$