

Unification For

(*) Key conditions

- (*) Same Predicate symbols
- (*) Same Number of arguments
- (*) Variable conflict resolution
- (*) No conflicting function symbols

(*) Examples

(*) A : Knows ($f(x, y), g(z)$)

(*) B : Knows ($f(\text{Alice}, \text{Bob}), g(z)$)

(*) Same Predicate "Knows"

(*) Consider $f(x, y) \Rightarrow f(\text{Alice}, \text{Bob})$
 $x = \text{Alice}$
 $y = \text{Bob}$

Consider $g(z) \Rightarrow g(x)$
 $z = x$
 $z = \text{Alice}$

(*) $x = \text{Alice}$
 $y = \text{Bob}$
 $z = \text{Alice}$

(*) Unified Expression

Knows ($f(\text{Alice}, \text{Bob}), g(\text{Alice})$)