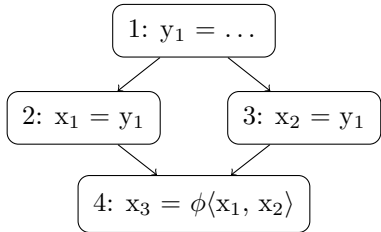


(a) Transitive copy relations.



(b) Copy relations on ϕ -operations.