

Case	Next Step	Operation	Result
KW1	$(\alpha, \beta) \circ (\alpha, \alpha)$	$(\alpha, \beta) \otimes (\alpha, \alpha) \Rightarrow (\alpha, \alpha) \circ (\beta, \alpha)$	step forward
KW2	$(\alpha, \beta) \circ (\alpha, \beta)$	$(\alpha, \beta) \otimes (\alpha, \beta) \Rightarrow (\alpha, \alpha) \circ (\beta, \beta)$	eliminate two variables
KW3	$(\alpha, \beta) \circ (\alpha, \gamma)$	$(\alpha, \beta) \otimes (\alpha, \gamma) \Rightarrow (\alpha, \alpha) \circ (\beta, \gamma)$	eliminate one variable
KW4	$(\alpha, \beta) \circ (\emptyset, \emptyset)$	$(\alpha, \beta) \otimes (\emptyset, \emptyset) \Rightarrow (\alpha, \alpha)$	eliminate one variable