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$x = r^{A_i \in AB(\mathcal{T})}$

$$x = t_i.A_{i,j}) \overset{(1)}{=} \underbrace{(v_1 \circ \ldots \circ v_n)}_{=vf}.(A_i.A_{i,j}) \overset{(2)}{=} vf_{\in\{k:A_k=A_i.A_{i,j}\}} = v.A_i.A_{i,j}$$

$_1 = (A_{1,1}, \ldots, A_{1,n})$
$A_2 = (A_{2,1}, \ldots, A_{2,n})$
$v = (A_1, A_2) = (\underbrace{(A_{1,1}, \ldots, A_{1,n})}_{v_1}, \underbrace{(A_{2,1}, \ldots, A_{2,n})}_{v_2})$
$\longrightarrow flattenandrename$
$flat(v) = (v_1 \circ v_2) = (A_1.A_{1,1}, \ldots, A_1.A_{1,n}, A_2.A_{2,1}, \ldots, A_2.A_{2,n})$
$x = r^{A_i \in AE(\mathcal{T}) A_i \in AB(\mathcal{T})}$

$A(\mathcal{R}_i) = v.A_i$
$x = t$
$_i) \overset{(1)}{=} \{A_i.A_{i,1}, \ldots, A_i.A_{i,n}\}$
$\longrightarrow$
$flat(v).K = flat(v).A(\mathcal{R}_i) = (A_i.A_{i,1}, \ldots, A_i.A_{i,n}) \overset{(2)}{=} v.A_i A(\mathcal{R}_i) A_i.A_{i,j}$
$A_i \in AE(\mathcal{T})$
$is - key(K, va(t)) is - key(K', va(flat(t)))(\exists v \in va(flat(t)), k' \in K' : v.k' = \bot) \vee$
(2) $(\exists v, v' \in R : v =_{K'} v' \wedge v \neq v')$
$k' = A_i.k$

$k' \in KEk' \in Kk' \bot$

$k' = A_i.kK_i A_i k \in A(r_i) \wedge k \notin K_i k' \in K'$
$K_i A_i$

$k' \in AE(t)$