

$$\begin{aligned}
P_{\text{nspk}}^5 \hat{=} & !\nu sk_a, sk_b. (!\text{in}(c, x_{pk}). P_A(sk_a, x_{pk}) \parallel !P_B(sk_a) \parallel \\
& !\text{in}(c, x_{pk}). P_A(sk_b, x_{pk}) \parallel !P_B(sk_b) \parallel \\
& \text{out}(c, \text{pk}(sk_a)) \parallel \text{out}(c, \text{pk}(sk_b)))
\end{aligned}$$