

Abbreviations
$\sim M\_4 = \text{aenc}(\text{make\_presentation}(\text{didU}, (\text{nonceU\_3}, \text{nonceB\_3}), \text{make\_credential}(\text{didB}, \text{didU}, \text{data}, \text{sign}((\text{didB}, \text{didU}, \text{data}), \text{skB})), \text{sign}((\text{didU}, (\text{nonceU\_3}, \text{nonceB\_3}), \text{make\_credential}(\text{didB}, \text{didU}, \text{data}, \text{sign}((\text{didB}, \text{didU}, \text{data}), \text{skB}))), \text{skU})), \text{pk}(\text{skB}))$

