



(hash((wrap(exp(g,Y 1)), wrap(hash((wrap(method two),

(wrap(a_5),(wrap(a_6),(wrap(a_7),a_8)))))),(pk(sk_3),(a_2,edhoc_kdf(hkdfextract(hash((wrap(

 $\exp(g,\overline{Y}_1)$, $\exp(ha\overline{s}h((wrap(method two),(wrap(method two)))$

 $[a, 5], (\overline{w}rap(a, 6), (\overline{w}rap(a, 7), a, 8))))))), exp(a, 6),$

 $Y_1)$, stwo, $(id(pk(sk_3), exp(g, ltdh_1)), (hash($

wrap(exp(g,Y 1)), wrap(hash((wrap(method_two),(

 $wrap(a^{-}5), (\overline{w}rap(a^{-}6), (wrap(a^{-}7), a^{-}8)))))), (pk($

sk 3),a 2))),hash_[ength)))))),srep,sk_3),a_2))),

 $pk(sk_3))),hash_length),exp(a_10,Y_1)),sseven,$

hash((wrap(hash((wrap(hash((wrap(exp(g,Y 1)),wrap(

hash((wrap(method_two),(wrap(a_5),(wrap(a_6),(wrap(a_7),a_8)))))))))))((a_1,(id(pk(sk_3),exp(

g,ltdh 1)),(sign((sSignature1,(id(pk(sk 3),exp(

g,ltdh 1)),(hash((wrap(exp(g,Y 1)),wrap(hash((

wrap(method two),(wrap(a 5),(wrap(a 6),(wrap(a 7),

a 8))))))),(pk(sk 3),(a 2,edhoc kdf(hkdfextract(

hash(wrap(exp(g,Y 1)), wrap(hash(wrap(method two)),

(wrap(a 5),(wrap(a 6),(wrap(a 7),a 8)))))),exp(

 $a_6, \dot{Y}_1)$, stwo, $(id(pk(sk_3), exp(g, ltdh_1))$, (hash(

 $(\overline{wrap(exp(g,Y 1))}, \overline{wrap(hash(wrap(method two)),}))$

 $(wrap(a_5), (wrap(a_6), (wrap(a_7), a_8))))))),($

 $pk(sk \bar{3}),a^{-2})),hash length)))))),\bar{s}rep,\bar{s}k \bar{3}),a \bar{2}))),$

 $pk(sk_3))),((id(a_9,a_10),(edhoc_kdf(hkdfextract($

edhoc kdf(hkdfextract(hash((wrap(exp(g,Y 1)),wrap(

hash((wrap(method two),(wrap(a 5),(wrap(a 6),(

wrap(a $\overline{7}$),a $8)))))))),exp(a <math>6\overline{,}Y \overline{1}$)),sfive,hash(

(wrap(hash(wrap(exp(g,Y 1)), wrap(hash(wrap(method two),

 $(wrap(a_5), (wrap(a_6), (wrap(a_7), a_8)))))))))$

 $((a_1,(id(pk(sk_3),exp(g,ltdh_1)),(sign(sSignature1,$

 $\overline{(id(pk(sk 3), exp(g, ltdh 1)))}$, (hash((wrap(exp(g, ltdh 1))))

Y 1)), wrap(hash((wrap(method_two),(wrap(a_5),(

 $\overline{\text{wrap}}(a \ \overline{6}), (\overline{\text{wrap}}(a \ 7), a \ 8))))))), (pk(sk \ 3), (a \ 2, a \ 8)))))))))))$

edhoc_ $kdf(hkdfextract(hash((wrap(exp(g, \bar{Y}_1)), wrap(exp(g, \bar{Y}_1))))$

hash((wrap(method two),(wrap(a 5),(wrap(a 6),(

 $wrap(a_7),a_8))))))),exp(a_6,Y_1)),stwo,(id(pk($

sk 3),exp(g,ltdh 1)),(hash((wrap(exp(g,Y_1)),wrap(

hash((wrap(method_two),(wrap(a_5),(wrap(a_6),(

wrap(a 7),a $\overline{8}$))))))),(\overline{pk} (sk 3),a $\overline{2}$)), hash length))))),

 $srep,sk_3),a_2)),pk(sk_3))),hash_length),exp($

a $10,Y \overline{1}$), $s\overline{six}$, (id(a $9,\overline{a} 10)$, (hash(wrap(hash(

(wrap(exp(g,Y 1)), wrap(hash((wrap(method two),

 $(\overline{w}_{1}, \overline{w}_{2}, \overline{w}_{3}, \overline{w}_{4}, \overline{w}_{5}, \overline{w}_{5}, \overline{w}_{6}, \overline{w$

((a 1,(id(pk(sk 3),exp(g,ltdh 1)),(sign(ssignature1))

(id(pk(sk)3),exp(g,ltdh_1)),(hash((wrap(exp(g,Y_1)),wrap(hash((wrap(method_two),(wrap(a_5),(

 $\overline{\text{wrap}}(a \ \overline{6}), (\overline{\text{wrap}}(a \ 7), a \ 8))))))), (pk(sk \ 3), (a \ 2), (a \ 2), (a \ 3), (a \$

edhoc $kdf(hkdfextract(hash((wrap(exp(g, \overline{Y}_1)), wrap(exp(g, \overline{Y}_1))))$

hash((wrap(method two),(wrap(a 5),(wrap(a 6),(wrap(a 6),(wrap(a

wrap(a_7),a_8))))))),exp(a_6,Y_1)),stwo,(id(pk(sk_3),exp(g,ltdh_1)),(hash((wrap(exp(g,Y_1)),wrap(hash((wrap(method_two),(wrap(a_5),(wrap(a_6)),(wrap(a_6),

wrap(a_7),a_8))))))),(pk(sk_3),a_2))),hash_length))))), srep,sk_3),a_2))),pk(sk_3)))),(a_10,a_11))),hash_length), a_11)),a_10))),hash_length),Y_1,a_6)

{179}event eLeakShare(Y 1)

{180}event eLeakShare(exp(g,Y_1))

Honest Process