Abbreviations
~X_1 = (a_6,encxor((a_7,(~M,(sign((sSignature1,(~M,(hash((wrap(a_6),wrap(hash((wrap(method_zero),(wrap(a_3),(wrap(~M_8),(wrap(a_4),a_5))))))))),(~M_1, (a_8,edhoc_kdf(hkdfextract(hash((wrap(a_6),wrap(hash((wrap(method_zero),(wrap(a_3),(wrap(~M_8), (wrap(a_4),a_5))))))),exp(a_6,~M_11)),stwo,(~M, (hash((wrap(a_6),wrap(hash((wrap(method_zero), (wrap(a_3),(wrap(~M_8),(wrap(a_4),a_5))))))), (~M_1,a_8))),hash_length))))))),a_9,~M_12),a_8))), edhoc_kdf(hkdfextract(hash((wrap(a_6),wrap(hash((wrap(method_zero),(wrap(a_3),(wrap(~M_8),(wrap(a_4),a_5))))))),exp(a_6,~M_11)),stzero,hash((wrap(a_6),wrap(hash((wrap(method_zero),(wrap(a_3), (wrap(~M_8),(wrap(a_4),a_5))))))),plaintext_length))) = (a_6,encxor((a_7,(id(pk(sk_4),exp(g,ltdh_3)), (sign((sSignature1,(id(pk(sk_4),exp(g,ltdh_3)), (hash((wrap(a_6),wrap(hash((wrap(method_zero), (wrap(a_3),(wrap(exp(g,X_1)),(wrap(a_4),a_5))))))), (pk(sk_4),(a_8,edhoc_kdf(hkdfextract(hash((wrap(a_6),wrap(hash((wrap(method_zero),(wrap(a_3),(wrap(exp(g,X_1)),(wrap(a_4),a_5))))))),exp(a_6, X_1)),stwo,(id(pk(sk_4),exp(g,ltdh_3)),(hash((wrap(a_6),wrap(hash((wrap(method_zero),(wrap(a_3), (wrap(exp(g,X_1)),(wrap(a_4),a_5))))))),(pk(sk_4), a_8))),hash_length))))))),a_9,sk_4),a_8))),edhoc_kdf(hkdfextract(hash((wrap(a_6),wrap(hash((wrap(method_zero), (wrap(a_3),(wrap(exp(g,X_1)),(wrap(a_4),a_5))))))), exp(a_6,X_1)),stzero,hash((wrap(a_6),wrap(hash((wrap(method_zero),(wrap(a_3),(wrap(exp(g,X_1)), (wrap(a_4),a_5))))))),plaintext_length)))

A trace has been found.