Abbreviations
~X_1 = (a_7,encxor((a_8,(id(a_1,a_2),(edhoc_kdf(hkdfextract(edhoc_kdf(hkdfextract(hash((wrap(a_7),wrap(hash((wrap(method_one),(wrap(a_4),(wrap(~M_5),(wrap(a_5),a_6)))))))),exp(a_7,~M_8)),stone,hash((wrap(a_7),wrap(hash((wrap(method_one),(wrap(a_4),(wrap(~M_5),(wrap(a_5),a_6)))))))),hash_length),exp(a_2,~M_8)),stwo,(id(a_1,a_2),(hash((wrap(a_7),wrap(hash((wrap(method_one),(wrap(a_4),(wrap(~M_5),(wrap(a_5),a_6)))))))),(a_2,a_9))),hash_length),a_9))),edhoc_kdf(hkdfextract(hash((wrap(a_7),wrap(hash((wrap(method_one),(wrap(a_4),(wrap(~M_5),(wrap(a_5),a_6)))))))),exp(a_7,~M_8)),stzero,hash((wrap(a_7),wrap(hash((wrap(method_one),(wrap(a_4),(wrap(exp(g,X_1)),(wrap(a_5),a_6)))))))),plaintext_length))) = (a_7,encxor((a_8,(id(a_1,a_2),(edhoc_kdf(hkdfextract(edhoc_kdf(hkdfextract(hash((wrap(a_7),wrap(hash((wrap(method_one),(wrap(a_4),(wrap(exp(g,X_1)),(wrap(a_5),a_6)))))))),exp(a_7,X_1)),stone,hash((wrap(a_7),wrap(hash((wrap(method_one),(wrap(a_4),(wrap(exp(g,X_1)),(wrap(a_5),a_6)))))))),hash_length),exp(a_2,X_1)),stwo,(id(a_1,a_2),(hash((wrap(a_7),wrap(hash((wrap(method_one),(wrap(a_4),(wrap(exp(g,X_1)),(wrap(a_5),a_6)))))))),(a_2,a_9))),hash_length),a_9))),edhoc_kdf(hkdfextract(hash((wrap(a_7),wrap(hash((wrap(method_one),(wrap(a_4),(wrap(exp(g,X_1)),(wrap(a_5),a_6)))))))),exp(a_7,X_1)),stzero,hash((wrap(a_7),wrap(hash((wrap(method_one),(wrap(a_4),(wrap(exp(g,X_1)),(wrap(a_5),a_6)))))))),plaintext_length)))

A trace has been found.