Abbreviations
~X_1 = Request(Header(a_8765,a_8766,a_8767,a_8768,a_8769), a_8770,CoAP_Option_OSCORE_Option(a_8771,~M_8990), payload_from_ciphertext(enc_COSE_ciphertext(~M_8995, aead_nonce(~M_8990,~M_8993,a_8771),(a_8772,a_8773), AAD(oscore_version_one,default_aead_algorithm, ~M_8990,a_8771)))) = Request(Header(a_8765,a_8766, a_8767,a_8768,a_8769),a_8770,CoAP_Option_OSCORE_Option(a_8771,IDir_8775),payload_from_ciphertext(enc_COSE_ciphertext(derive_key(MasterSecret_8776,IDir_8775,default_aead_algorithm), aead_nonce(IDir_8775,derive_common_iv(MasterSecret_8776, default_aead_algorithm),a_8771),(a_8772,a_8773), AAD(oscore_version_one,default_aead_algorithm, IDir_8775,a_8771))))

A trace has been found.