Abbreviations
~X_1 = Request(Header(~M_15486,~M_15487,~M_15488,~M_15489, ~M_15490),~M_15480,CoAP_Option_OSCORE_Option(~M_15484, ~M_15485),payload_from_ciphertext(~M_15483)) = Request(Header(CoAP_versionOne,CoAP_nonConfirm, CoAP_tokenLength(token_14757),CoAP_GETCode,messageID_14758), token_14757,CoAP_Option_OSCORE_Option(partial_iv_14759, IDir_14760),payload_from_ciphertext(enc_COSE_ciphertext(derive_key(MasterSecret_14755,IDir_14760,default_aead_algorithm), aead_nonce(IDir_14760,derive_common_iv(MasterSecret_14755, default_aead_algorithm),partial_iv_14759),(CoAP_POSTCode, payload_14761),AAD(oscore_version_one,default_aead_algorithm, IDir_14760,partial_iv_14759))))
~X_2 = Request(Header(a_14750,a_14751,a_14752,a_14753, a_14754),a_14749,CoAP_Option_OSCORE_Option(~M_15484, ~M_15023),payload_from_ciphertext(~M_15483)) = Request(Header(a_14750,a_14751,a_14752,a_14753, a_14754),a_14749,CoAP_Option_OSCORE_Option(partial_iv_14759, IDir_14760),payload_from_ciphertext(enc_COSE_ciphertext(derive_key(MasterSecret_14755,IDir_14760,default_aead_algorithm), aead_nonce(IDir_14760,derive_common_iv(MasterSecret_14755, default_aead_algorithm),partial_iv_14759),(CoAP_POSTCode, payload_14761),AAD(oscore_version_one,default_aead_algorithm, IDir_14760,partial_iv_14759))))
~X_3 = Request(Header(~M_15818,~M_15819,~M_15820,~M_15821, ~M_15822),~M_15814,CoAP_Option_OSCORE_Option_empty, payload_from_ciphertext(~M_15817)) = Request(Header(CoAP_versionOne,CoAP_nonConfirm,CoAP_tokenLength(a_14749),CoAP_CHANGEDCode,responseMessageId_14809), a_14749,CoAP_Option_OSCORE_Option_empty,payload_from_ciphertext(enc_COSE_ciphertext(derive_key(MasterSecret_14755, IDri_14756,default_aead_algorithm),aead_nonce(IDir_14760,derive_common_iv(MasterSecret_14755, default_aead_algorithm),partial_iv_14759),(generateResponseCode(CoAP_POSTCode,payload_14761),generateResponsePayload(CoAP_POSTCode,payload_14761)),AAD(oscore_version_one, default_aead_algorithm,IDri_14756,partial_iv_14759))))
~X_4 = Request(Header(a_14743,a_14744,a_14745,a_14746, a_14747),~M_15480,CoAP_Option_OSCORE_Option_empty, payload_from_ciphertext(~M_15817)) = Request(Header(a_14743,a_14744,a_14745,a_14746,a_14747),token_14757, CoAP_Option_OSCORE_Option_empty,payload_from_ciphertext(enc_COSE_ciphertext(derive_key(MasterSecret_14755, IDri_14756,default_aead_algorithm),aead_nonce(IDir_14760,derive_common_iv(MasterSecret_14755, default_aead_algorithm),partial_iv_14759),(generateResponseCode(CoAP_POSTCode,payload_14761),generateResponsePayload(CoAP_POSTCode,payload_14761)),AAD(oscore_version_one, default_aead_algorithm,IDri_14756,partial_iv_14759))))

A trace has been found.