Abbreviations
~X_1 = aenc((groupkey_request,sign(groupkey_request,~M_2),~M_3),~M) = aenc((groupkey_request,sign(groupkey_request,attsk_3),cert(attvid_3,pk(attsk_3),cask_3)),pk(cask_3))
~M_7 = aenc(((groupkey_response,attvid_3,gsk(attvid_3,gmsk_4),gpk(gmsk_4)),sign((groupkey_response,attvid_3,gsk(attvid_3,gmsk_4),gpk(gmsk_4)),cask_3)),pk(attsk_3))
~X_2 = aenc(((pseudocert(a_5,3-proj-4-tuple(1-proj-2-tuple(adec(~M_7,~M_2)))),revoke_request),sign((pseudocert(a_5,3-proj-4-tuple(1-proj-2-tuple(adec(~M_7,~M_2)))),revoke_request),~M_5),~M_6),~M) = aenc(((pseudocert(a_5,gsk(attvid_3,gmsk_4)),revoke_request),sign((pseudocert(a_5,gsk(attvid_3,gmsk_4)),revoke_request),attsk_4),cert(attvid_4,pk(attsk_4),cask_3)),pk(cask_3))

A trace has been found.