A trace has been found.

~M_6 = aenc(((groupkey_response,vid_8,gsk(vid_8,gmsk_6),gpk(gmsk_6)),sign((groupkey_response,vid_8,gsk(vid_8,gmsk_6)),gpk(yid_8,gmsk_6)),cask_3)),pk(vsk_4))

Abbreviations

~M_7 = aenc(((pseudocert(pk(a_4),gsk(a_5,gmsk_6)), revoke_request),sign((pseudocert(pk(a_4),gsk(a_5, gmsk_6)),revoke_request),vsk_4),cert(vid_8,pk(vsk_4),cask_3)),pk(cask_3))

~X_1 = aenc((groupkey_request, sign(groupkey_request, ~M_3), ~M_4), ~M)
= aenc((groupkey_request, sign(groupkey_request, attsk_2), cert(attvid_2, pk(attsk_2), cask_3)), pk(cask_3))

