A trace has been found.

Abbreviations
~X_1 = aenc(((groupkey_response,getid(3-proj-3-tuple(adec(~M_2,~M_1))),a,a_1),sign((groupkey_response,getid(3-proj-3-tuple(adec(~M_2,~M_1))),a,a_1),~M_1)),getpk(3-proj-3-tuple(adec(~M_2,~M_1)))) = aenc(((groupkey_response,vid_7,a,a_1),sign((groupkey_response,vid_7,a,a_1),cask_4)),pk(vsk_3))