A trace has been found.

Abbreviations
~M_2 = choice[aenc(((vid_9,n_9),sign((vid_9,n_9),vsk_7),cert(vid_9,pk(vsk_7),cask_4)),pk(cask_4)),aenc(((vid_8,n_8),sign((vid_8,n_8),vsk_6),cert(vid_8,pk(vsk_6),cask_5)),pk(cask_5))]
~X_1 = (~M_3,~M_4,~M_5) = choice[(attvid_5,attsk_5,cert(attvid_5,pk(attsk_5),cask_4)),(attvid_4,attsk_4,cert(attvid_4,pk(attsk_4),cask_5))]
~M_7 = choice[aenc(((vid_11,n_11),sign((vid_11,n_11),vsk_9),cert(vid_11,pk(vsk_9),cask_4)),pk(cask_4)),aenc(((vid_10,n_10),sign((vid_10,n_10),vsk_8),cert(vid_10,pk(vsk_8),cask_5)),pk(cask_5))]
~M_8 = choice[aenc(((groupkey_response,vid_9,n_9,gsk(vid_9,gmsk_4),gpk(gmsk_4)),sign((groupkey_response,vid_9,n_9,gsk(vid_9,gmsk_4),gpk(gmsk_4)),cask_4)),pk(vsk_7)),aenc(((groupkey_response,vid_8,n_8,gsk(vid_8,gmsk_5),gpk(gmsk_5)),sign((groupkey_response,vid_8,n_8,gsk(vid_8,gmsk_5),gpk(gmsk_5)),cask_5)),pk(vsk_6))]