Abbreviations
~M_2 = choice[aenc(((vid_13,n_13),sign((vid_13, n_13),vsk_11),cert(vid_13,pk(vsk_11),cask_8)), pk(cask_8)),aenc(((vid_12,n_12),sign((vid_12,n_12), vsk_10),cert(vid_12,pk(vsk_10),cask_9)),pk(cask_9))]
~X_1 = (~M_3,~M_4,~M_5) = choice[(attvid_9,attsk_9,cert(attvid_9,pk(attsk_9),cask_8)),(attvid_8,attsk_8, cert(attvid_8,pk(attsk_8),cask_9))]
~M_7 = choice[aenc(((vid_15,n_15),sign((vid_15, n_15),vsk_13),cert(vid_15,pk(vsk_13),cask_8)), pk(cask_8)),aenc(((vid_14,n_14),sign((vid_14,n_14), vsk_12),cert(vid_14,pk(vsk_12),cask_9)),pk(cask_9))]
~X_2 = (~M_8,~M_9,~M_10) = choice[(attvid_11,attsk_11, cert(attvid_11,pk(attsk_11),cask_8)),(attvid_10, attsk_10,cert(attvid_10,pk(attsk_10),cask_9))]
~M_11 = choice[aenc(((groupkey_response,vid_13, n_13,gsk(vid_13,gmsk_8),gpk(gmsk_8)),sign((groupkey_response, vid_13,n_13,gsk(vid_13,gmsk_8),gpk(gmsk_8)),cask_8)), pk(vsk_11)),aenc(((groupkey_response,vid_12,n_12, gsk(vid_12,gmsk_9),gpk(gmsk_9)),sign((groupkey_response, vid_12,n_12,gsk(vid_12,gmsk_9),gpk(gmsk_9)),cask_9)), pk(vsk_10))]

A trace has been found.