Abbreviations

-X_1 = (-M_1,-M_2,-M_3) = choice[(attvid_6,attsk_6,cert(attvid_6,pk(attsk_6),cask_6)),(attvid_7,attsk_7,cert(attvid_7,pk(attsk_7),cask_7))]

-M_5 = choice[aenc((groupkey request,sign(groupkey request,vsk_13),cert(vid_19,pk(vsk_13),cask_6)),pk(cask_6)), aenc((groupkey request,sign(groupkey request,vsk_14),cert(vid_20,pk(vsk_14),cask_7)),pk(cask_7))]

-M_7 = choice[aenc((groupkey request,sign(groupkey request,vsk_12),cert(vid_18,pk(vsk_12),cask_6)),pk(cask_6)), aenc((groupkey request,sign(groupkey request,vsk_15),cert(vid_21,pk(vsk_15),cask_7)),pk(cask_7))]

-M_8 = choice[aenc(((groupkey response,vid_19,gsk(vid_19,gmsk_6),gpk(gmsk_6)),sign((groupkey response,vid_19,gsk(vid_19,gmsk_6),gpk(gmsk_6)),cask_6)), pk(vsk_13)),aenc(((groupkey response,vid_20,gsk(vid_20,gmsk_7),gpk(gmsk_7)),cask_7)), pk(vsk_14))]

A trace has been found.

