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,nonce\_15,sign(groupkey\_request,vsk\_13),cert(vid\_19,pk(vsk\_13),cask\_6)),pk(cask\_6)),aenc((groupkey\_request,nonce\_16,sign(groupkey\_request,vsk\_14),cert(vid\_20,pk(vsk\_14),cask\_7)),pk(cask\_7))]

~M\_7 = choice[aenc((groupkey\_request,nonce\_14,sign(groupkey\_request,vsk\_12),cert(vid\_18,pk(vsk\_12),cask\_6)),pk(cask\_6)),aenc((groupkey\_request,nonce\_17,sign(groupkey\_request,vsk\_15),cert(vid\_21,pk(vsk\_15),cask\_7)),pk(cask\_7))]

~M\_8 = choice[aenc(((groupkey\_response,nonce\_15,vid\_19,gsk(vid\_19,gmsk\_6)),sign((groupkey\_response,nonce\_15,vid\_19,gsk(vid\_19,gmsk\_6)),gpk(gmsk\_6)),cask\_6)),pk(vsk\_13)),aenc(((groupkey\_response,nonce\_16,vid\_20,gsk(vid\_20,gmsk\_7),gpk(gmsk\_7)),sign((groupkey\_response,nonce\_16,vid\_20,gsk(vid\_20,gsk(vid\_20,gsk(vid\_20,gsk(vid\_20,gsk(vid\_20,gmsk\_7)),pk(vsk\_14))]

A trace has been found.

