Abbreviations

~M\_2 = choice[aenc((groupkey\_request, sign(groupkey\_request, vsk\_15), cert(vid\_51, pk(vsk\_15), cask\_12)), pk(cask\_12)), aenc((groupkey\_request, sign(groupkey\_request, vsk\_14), cert(vid\_50, pk(vsk\_14), cask\_13)), pk(cask\_13))]

~M\_4 = choice[aenc((groupkey\_request, sign(groupkey\_request, vsk\_17), cert(vid\_53, pk(vsk\_17), cask\_12)), pk(cask\_12)), aenc((groupkey\_request, sign(groupkey\_request, vsk\_16), cert(vid\_52, pk(vsk\_16), cask\_13)), pk(cask\_13))]

~M\_5 = choice[aenc(((groupkey\_response, vid\_51, gsk(vid\_51, gmsk\_12), gpk(gmsk\_12)), sign((groupkey\_response, vid\_51, gsk(vid\_51, gmsk\_12), ppk(gmsk\_12)), cask\_12)), pk(vsk\_15)), aenc(((groupkey\_response, vid\_50, gsk(vid\_50, gmsk\_13)), sign((groupkey\_response, vid\_50, gsk(vid\_50, gmsk\_13)), gpk(gmsk\_13)), cask\_13)), pk(vsk\_14))]

A trace has been found.

