A trace has been found.

## Abbreviations

~M\_3 = aenc(((groupkey\_response,vid\_7,gsk(vid\_7,gmsk\_6),gpk(gmsk\_6)),sign((groupkey\_response,vid\_7,gsk(vid\_7,gsk(vid\_7,gmsk\_6),gpk(gmsk\_6)),cask\_3)),pk(vsk\_3))

~M\_4 = aenc(((pseudocert(pk(a\_2),gsk(a\_3,gmsk\_6)), revoke\_request),sign((pseudocert(pk(a\_2),gsk(a\_3, gmsk\_6)),revoke\_request),vsk\_3),cert(vid\_7,pk( vsk\_3),cask\_3)),pk(cask\_3))

~M\_6 = aenc(((groupkey\_response,vid\_7,gsk(vid\_7,updatedgmsk\_2)),sign((groupkey\_response,vid\_7,gsk(vid\_7,updatedgmsk\_2)),gpk(updatedgmsk\_2)),cask\_3)),pk(vsk\_3))

