Abbreviations
~X_1 = aenc(((a_1,revoke_request),sign((a_1,revoke_request),~M_3),~M_4),~M) = aenc(((a_1,revoke_request),sign((a_1,revoke_request),attsk_2),cert(attvid_2,pk(attsk_2),cask_4)),pk(cask_4))

A trace has been found.