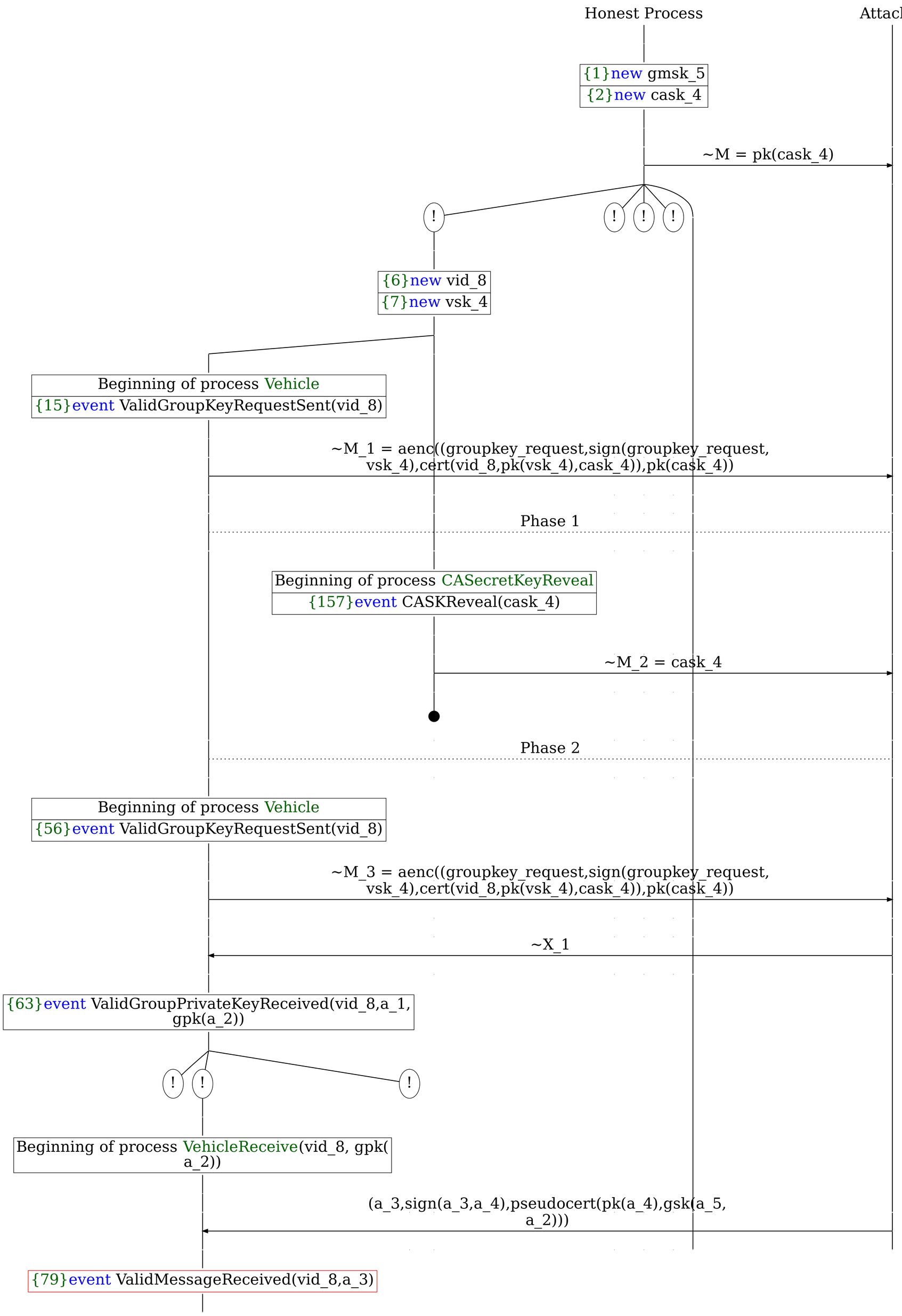
Abbreviations
~X_1 = aenc(((groupkey_response,getid(3-proj-3-tuple(adec(~M_1,~M_2))),a_1,gpk(a_2)),sign((groupkey_response,getid(3-proj-3-tuple(adec(~M_1,~M_2))),a_1,gpk(a_2)),~M_2)),getpk(3-proj-3-tuple(adec(~M_1,~M_2)))) = aenc(((groupkey_response,vid_8,a_1,gpk(a_2)),sign((groupkey_response,vid_8,a_1,gpk(a_2)),cask_4)),pk(vsk_4))

A trace has been found.