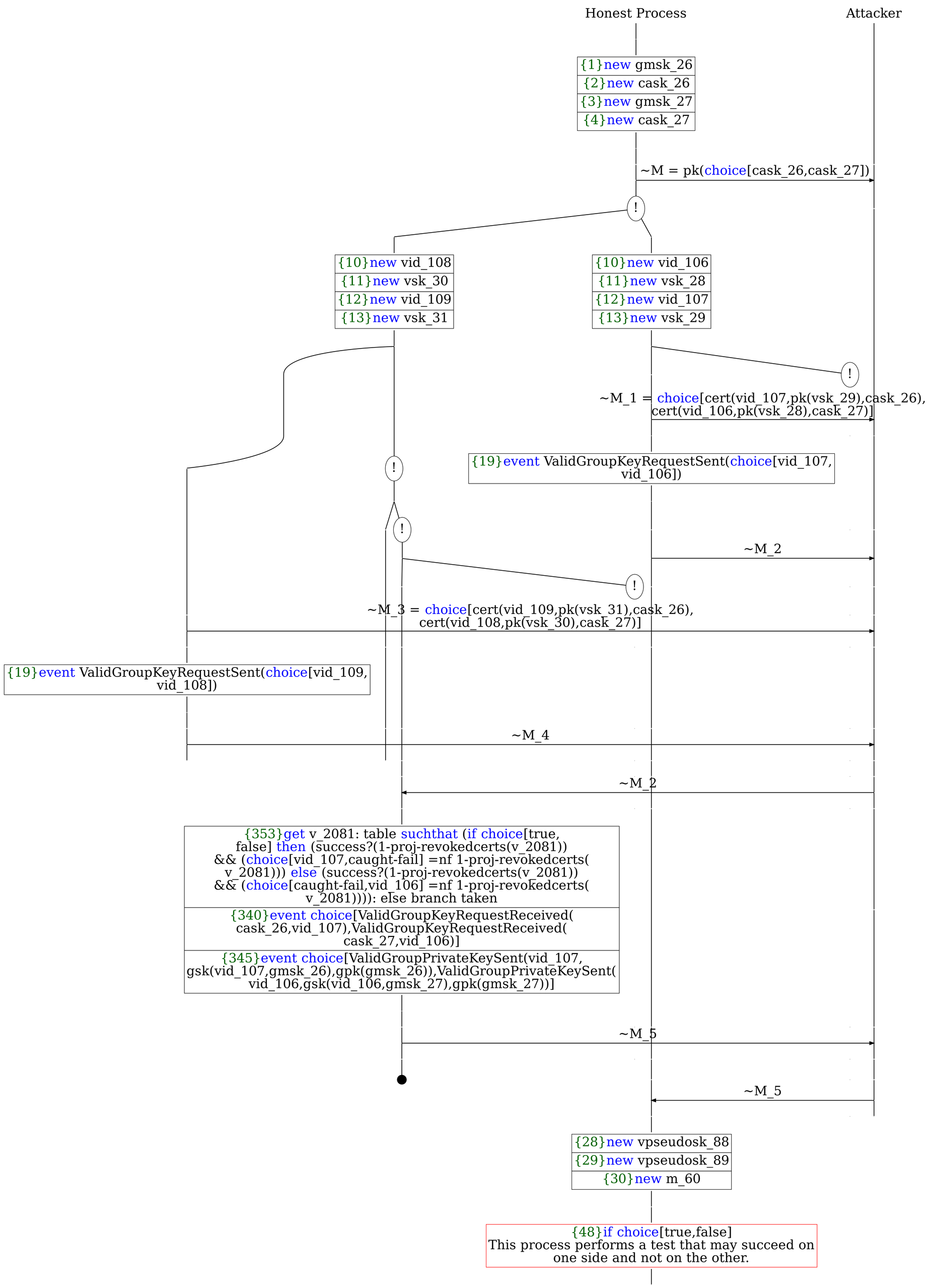
Abbreviations
~M_2 = choice[aenc((groupkey_request,sign(groupkey_request, vsk_29),cert(vid_107,pk(vsk_29),cask_26)),pk(cask_26)), aenc((groupkey_request,sign(groupkey_request,vsk_28), cert(vid_106,pk(vsk_28),cask_27)),pk(cask_27))]
~M_4 = choice[aenc((groupkey_request,sign(groupkey_request, vsk_31),cert(vid_109,pk(vsk_31),cask_26)),pk(cask_26)), aenc((groupkey_request,sign(groupkey_request,vsk_30), cert(vid_108,pk(vsk_30),cask_27)),pk(cask_27))]
~M_5 = choice[aenc(((groupkey_response,vid_107, gsk(vid_107,gmsk_26),gpk(gmsk_26)),sign((groupkey_response, vid_107,gsk(vid_107,gmsk_26),gpk(gmsk_26)),cask_26)), pk(vsk_29)),aenc(((groupkey_response,vid_106,gsk(vid_106,gmsk_27),gpk(gmsk_27)),sign((groupkey_response, vid_106,gsk(vid_106,gmsk_27),gpk(gmsk_27)),cask_27)), pk(vsk_28))]

A trace has been found.