A trace has been found.

Abbreviations ~M_2 = fist32bit(HMAC_SHA256(HMAC_SHA256(AES_CMAC(AES_CMAC(BES_CMAC(Concat(btak, addr_A),addr_B)),concat(rand_m_2,rand_s_2)))

~M_3 = next32bit(HMAC_SHA256(HMAC_SHA256(AES_CMAC(AES_CMAC(Itk_3,SALT),lebr),concat(concat(btak,addr_A),addr_B)),concat(rand_m_2,rand_s_2)))

~M_4 = AES_CCM(BCreq,HMAC_SHA256(AES_CMAC(AES_CMAC(ltk_3,SALT),lebr),concat(concat(btak,addr_A),addr_B),last64bit(HMAC_SHA256(HMAC_SHA256(AES_CMAC(AES_CMAC(AES_CMAC(Ltk_3,SALT),lebr),concat(concat(btak,addr_A),addr_B),last64bit(HMAC_SHA256(HMAC_SHA256(AES_CMAC(AES addr_A),addr_B)),concat(rand_m_2,rand_s_2))))),

last64bit(HMAC_SHA256(HMAC_SHA256(AES_CMAC(AES_CMAC(ltk_3,SALT),lebr),concat(concat(btak,addr_A),addr_B)), concat(rand_m_2,rand_s_2))))

