Abbreviations
$\sim$ M_7 = a_1
$\sim M_8 = Topic_bd_4$
$\sim$ M_9 = a_2
$\sim$ M_10 = discoveryRegister
~M_11 = discoveredParticipant
$\sim$ M_12 = a_4
$\sim$ M_13 = Topic_bd_4
$\sim$ M_14 = a_5
$\sim$ M_15 = discoveryRegister
~X_1 = (a_6,TopicCreateReq,a_7,participant_data(a_1,~M_4 a_2,discoveryRegister))
= (a_6,TopicCreateReq, a_7,participant_data(a_1,Topic_bd_4,a_2,discoveryRegister))
$\sim$ M_16 = a_6
$\sim$ M_17 = TopicDiscovered
$\sim$ M_18 = a_7
$\sim M_19 = a_1$
$\sim$ M_20 = Topic_bd_4
$\sim$ M_21 = a_2
~M 22 = discoveryRegister

A trace has been found.

