



$$GS_{C_1} = \left\{ LS_{P_1} \cup LS_{P_2} \cup LS_{P_3} \cup SC_{12} \cup SC_{13} \cup SC_{23} \right\} \quad SC_{12} = \{ \} \quad SC_{13} = \{ m_{31} \} \quad SC_{23} = \{ \}$$

$$LS_{P_1} = (\text{send}(m_{12}), e_{11}) \quad LS_{P_2} = (e_{21}, \text{recu}(m_{12})) \quad LS_{P_3} = (e_{31}, \text{send}(m_{31}))$$