

Alice → Cathy { request for session key to Bob } k_A

Alice ← Cathy { k_s } k_A || { k_s } k_B

Alice → Bob { k_s } k_B

Alice → Bob { Charge an iPhone X to my credit card 12345678 and have it delivered to my house } k_s

Alice ← Bob { I placed your order and it will arrive tomorrow } k_s

Alice → Bob { Thanks. This session is now complete. } k_s

Alice ← Bob { Acknowledged. I'm discarding key k_s } k_s

Notation: {msg} k_B indicates “msg” was encrypted with key k_B



