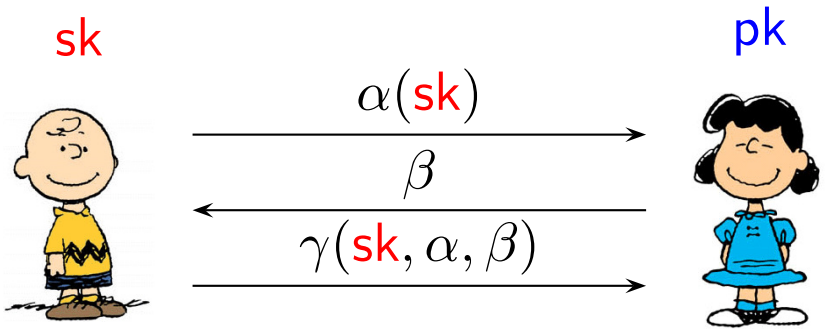
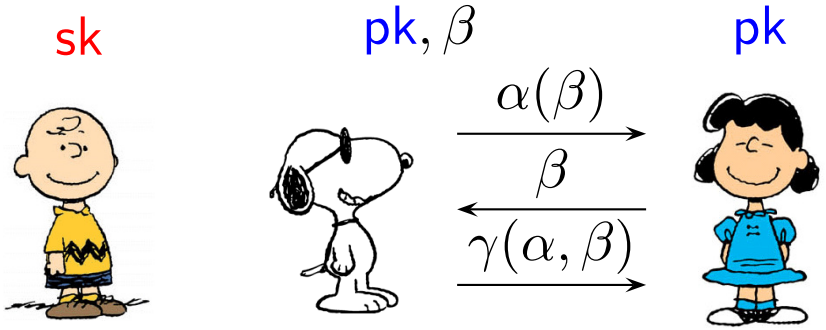


Even if Lucy is *honest*

▷ she might learn something about the secret sk.

since

▷ messages α and γ depend on the secret sk.



As Lucy is *malicious* the value of β is not known by her before the protocol and Snoopy must guess β to simulate the other messages.