

Double Nonce Protocol











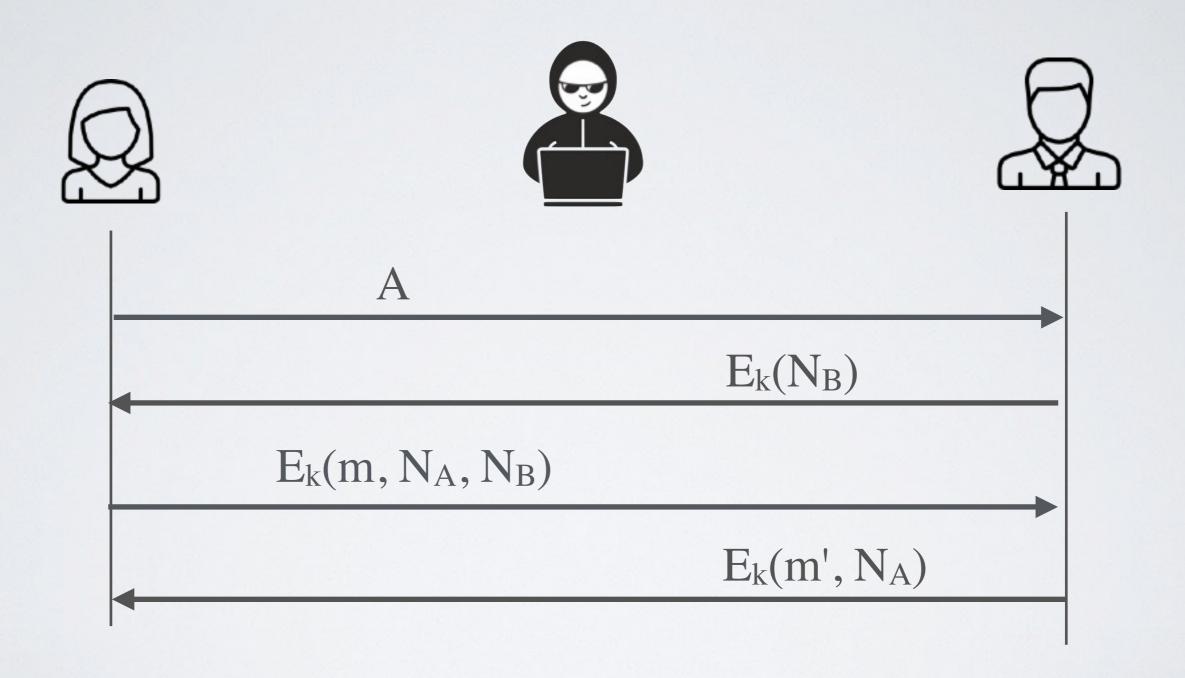








Double Nonce Protocol



Are we secure yet?

Two major issues:

- I. **Key distribution**If A I, A 2 ... A 5 want to talk, then (n x (n-I) / 2) keys must be exchanged physically using a secure channel
- 2. Does not ensure **Perfect-Forward Secrecy**If somehow Mallory is able to compromise one of the participant at some point in time, she can decrypt all previous communications between Alice and Bob