

## The vulnerable version of the protocol (1978)















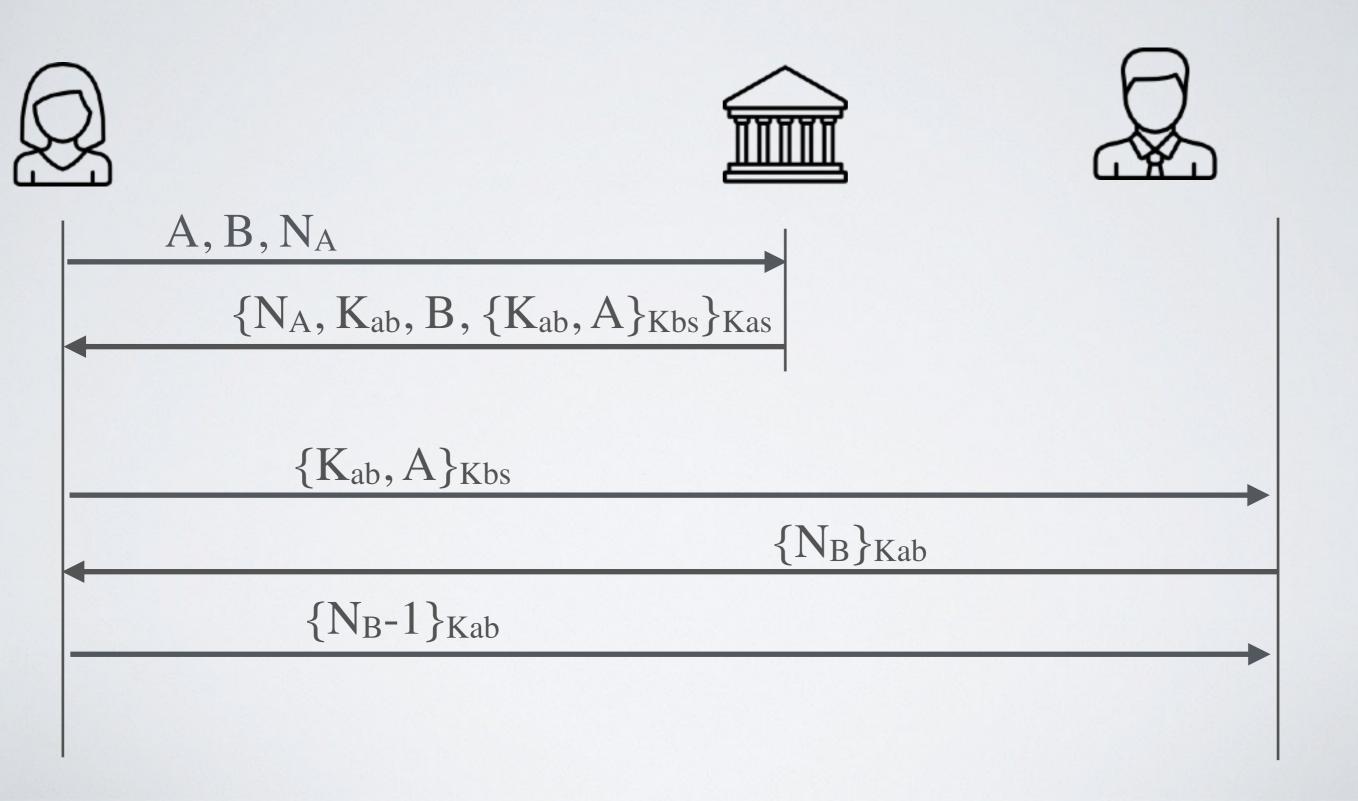






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## Replay attack (1981)







Assuming  $K_{ab}$  has been compromised somehow, it can be reused