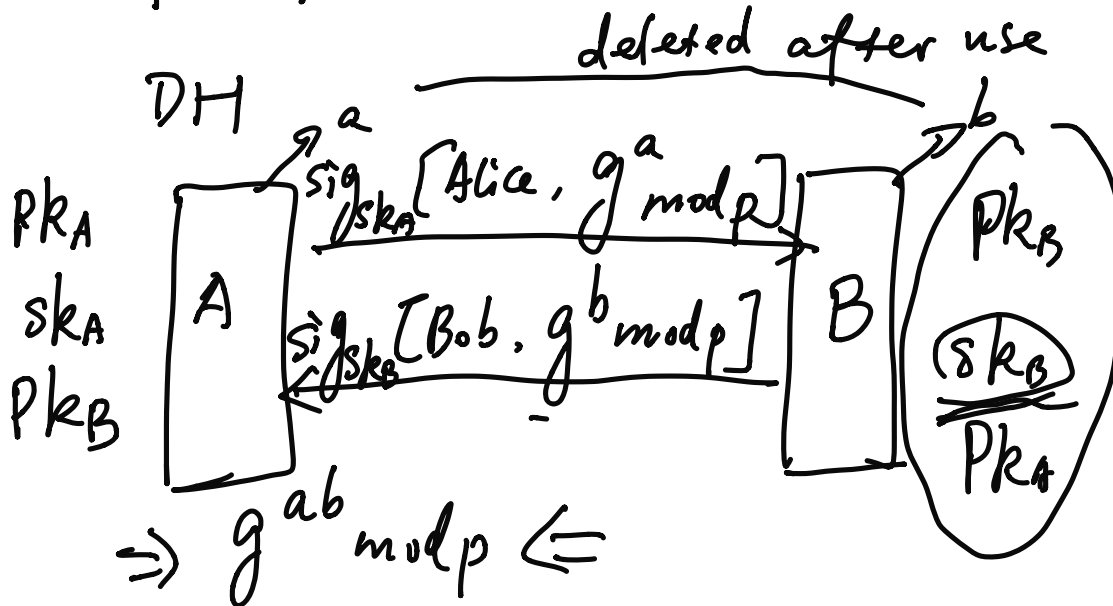


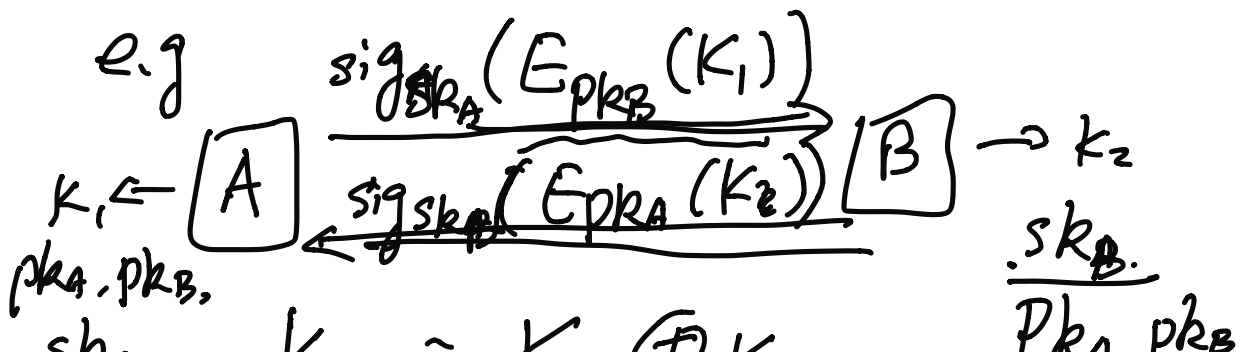
ECE 471/571

PFS, Kerberos

Perfect forward secrecy. (PFS)



~~man~~
 when A & B are overrun
 and adv eavesdrop msgs
 still cannot decrypt old conv
 (recorded)
 \Rightarrow PFS



OKA. $K_{AB} = K_1 \cup K_2$.
participatory key agreement

- if A & B compromised:
obtain K_1, K_2 in the past
 $\Rightarrow K_{AB}$ in the past

X PFS.

- if only A or B is compromised?
adv only obtain ^{either} K_1 or K_2
cannot obtain $K_{AB} = (K_1) \oplus K_2$
? ?

✓ PFS.