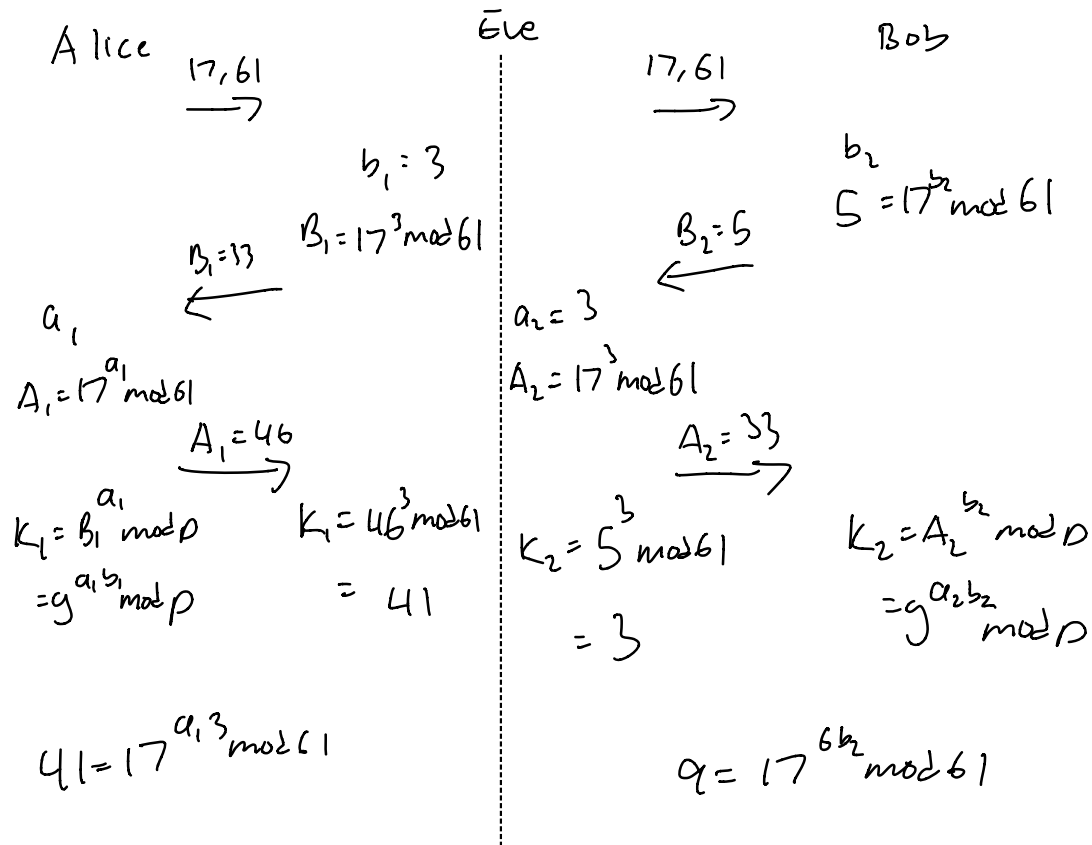


Diffie Hellman



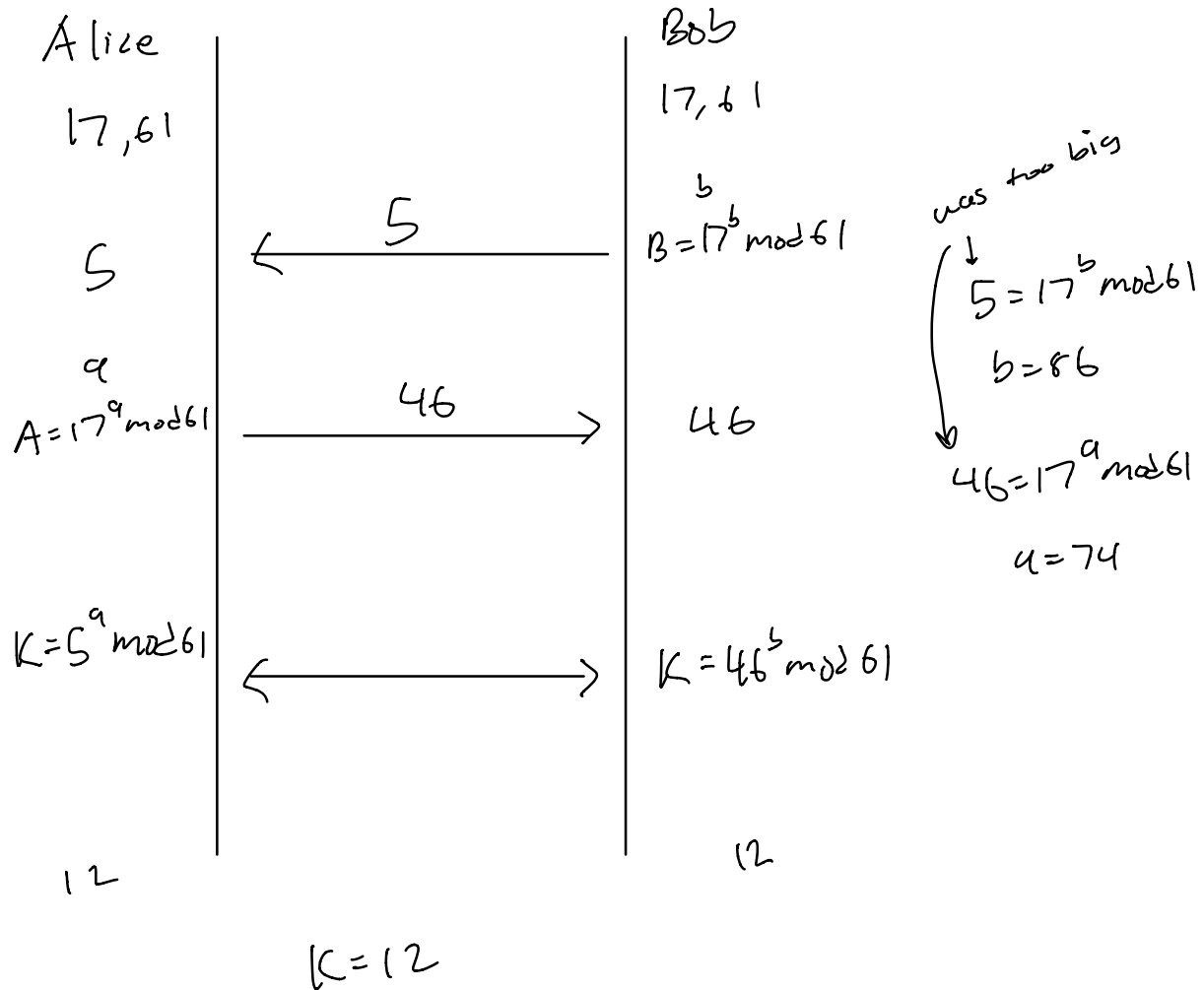
46

$$S = 17^b \bmod 61 \quad x = 16$$

$$46 = 17^a \bmod 61 \quad y = 74$$

problem if $S, 46$ is bigger

Diffie-Hellman



RSA

$$P_B, Q_B = 4661 = N_B$$

↓ ↓

59 × 79

↙ if it was too big

$$e_B = 31, \text{ find } d_B = 2335$$

↓
one that's smaller than N_B

$$31 d_B \bmod (58)(78) = 1$$

convert to ASCII → string