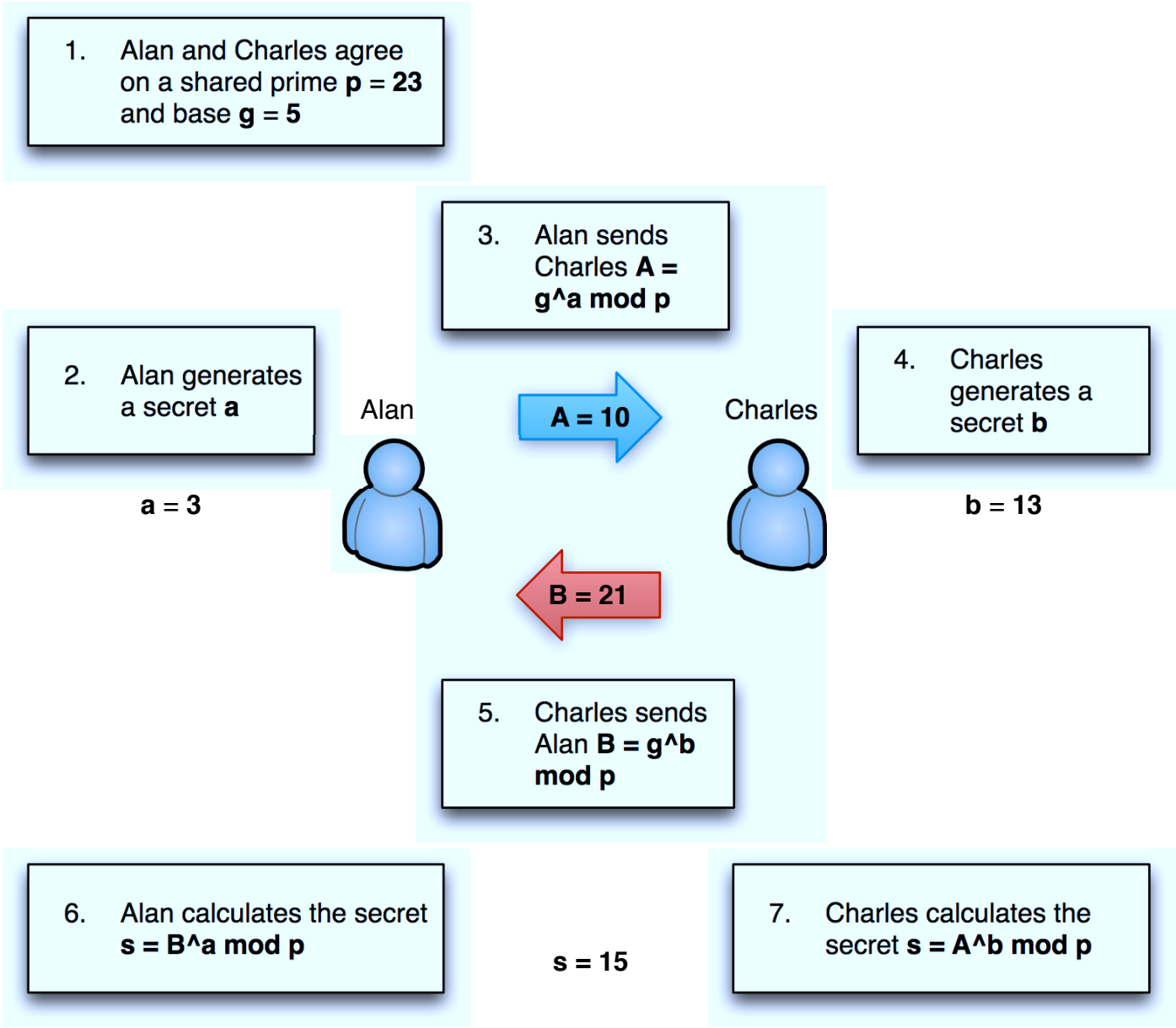

Since **g^Ab = g^Ba**, both Alan and Charles get the same value, but an attacker knowing only **p**, **g**, **A** and **B** cannot calculate **s** without **a** or **b**