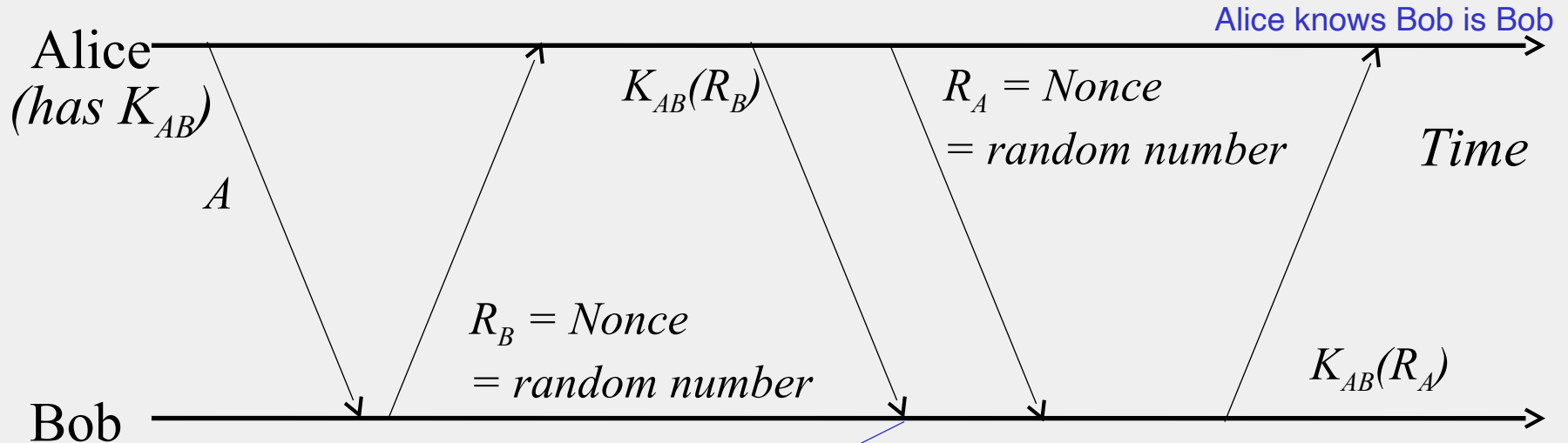


# Direct Authentication Using Shared Key



Bob calculates  $K_{AB}(R_B)$  and matches with reply. Alice is the only one who could have replied correctly.