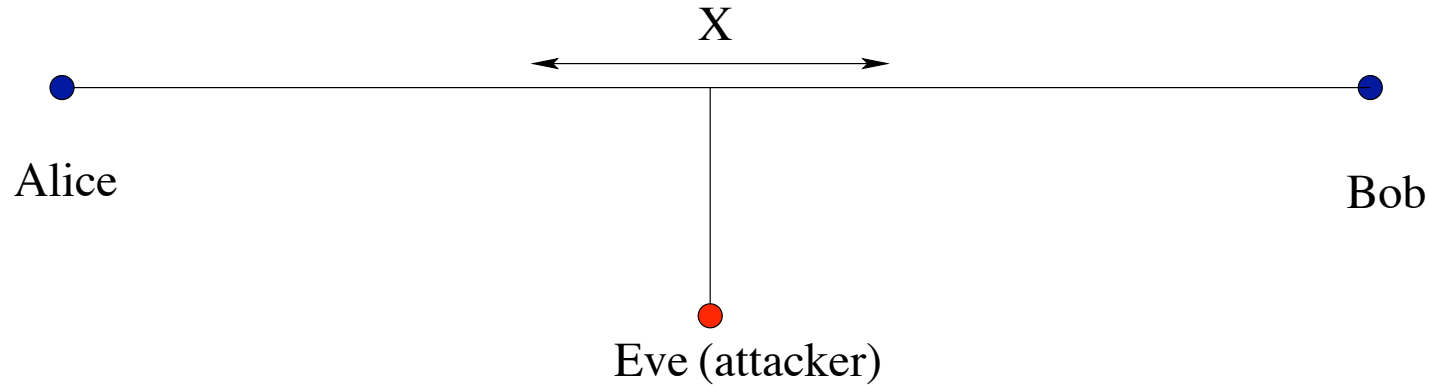
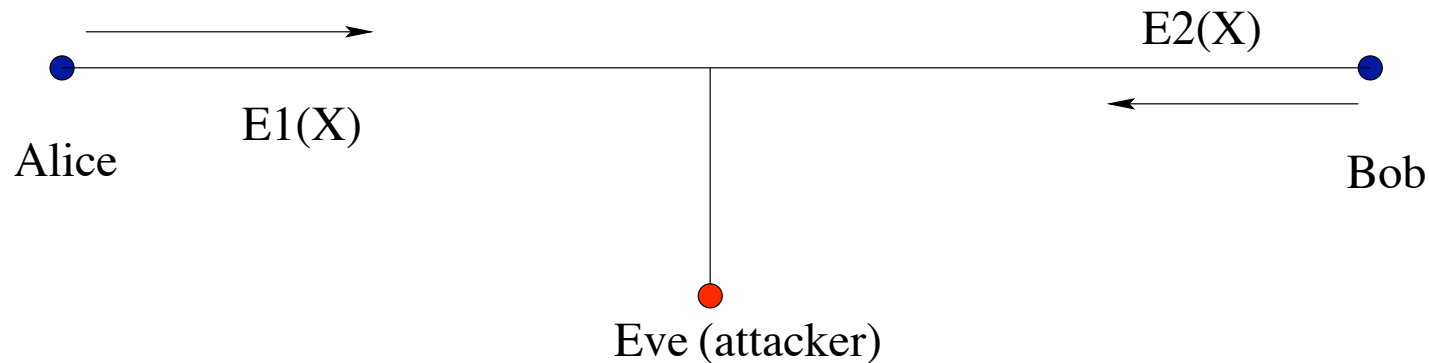


Abstract of Diffie–Hellman key exchange

Step 1: agree on common information



Step 2: Alice and Bob choose secret transformation of X and exchange that



Step 3: Alice and Bob create a common piece of information which can be used as a key

Alice calculates $E1(E2(X))$

Bob calculates $E2(E1(X)) = E1(E2(X))$

Eve has X, E1(X) and E2(X) but has no idea how to put them together to get $E1(E2(X)) = E2(E1(X))$