

Challenger

A

Generates

Point: ID_{RP1}, ID_{RP2}

Random Number: $N_{U1}, N_{U2}, ID_U, ID_U'$

Lets

$PID_{U1} = ID_U N_{U1} ID_{RP1}$

$PID_{U2} = ID_U' N_{U2} ID_{RP2}$

$\xrightarrow{ID_{RP1}, ID_{RP2}, N_{U1}, N_{U2}, PID_{U1}, PID_{U2}}$

$\xleftarrow{b} b \leftarrow A(ID_{RP1}, ID_{RP2}, N_{U1}, N_{U2}, PID_{U1}, PID_{U2})$

Verifies b