

Without the attack, Average over 20 times, QBER=0.00019565, Key Length=77871.6522 and KeyPercent=0.0039153

>> Simulacao

Wit IR the attack, Average over 20 times, QBER=0.0034348, Key Length=7539.5217 and KeyPercent=0.00039872 and Eve Efficiency=1

>> Simulacao

Wit IR the attack, Average over 20 times, QBER=0.0074565, Key Length=3662.5652 and KeyPercent=0.00020487 and Eve Efficiency=0.5

>> Simulacao

Wit IR the attack, Average over 20 times, QBER=0.019283, Key Length=1284.8261 and KeyPercent=8.598e-05 and Eve Efficiency=0.2

>>

%Near 700 seconds to run

NAllice=10^7; %Logical bits send by Alice

probd=0.10; %Probability of bit being a decoy

efficB=0.1*0.1; %Efficiency of Detetor from Bob

efficE=0.1*a; %Efficiency of Detetor from Eve

ProDarkCountBob=10^-5; %Probability of Dark count by Bob

ProDarkCountEve=0; %Probability of Dark count by Eve

QBERTest=0.0001*NAllice; %Amount of bits compared for QBER Test

