

# Lab 11

## Question 1

Compared to public key cryptography, symmetric key cryptography uses less resources and the keys are a lot shorter. It also only needs one key instead of one public key and private keys pairs that you would need otherwise.

## Question 2

### Part 1

$E_{Pr(A)}(M)$

### Part 2

Alice should send a hash, encrypted via her private key and send it to Bob.