

## Client side

Generate set  
of keys

Encrypt initial  
counter  
value

Serialize  
ciphertext

Register public  
key

Encrypt recorded  
counter changes

Decrypt received  
ciphertext counter

## Server side

Register users'  
public keys

Reconstruct serialized  
ciphertext

Perform subtraction or  
addition on encrypted  
value

Serialize result  
ciphertext