

**Alice**

**Blockchain**

**Bob**

Input data  
(plaintext)

Homomorphic encryption  
or blind quantum computing

Escrow  
reward

Input data  
(ciphertext)

Execute  
computation

Output data  
(ciphertext)

Output data  
(ciphertext)

Verification  
protocol

Proof-of-work

Decrypt  
output data

QuantCoin

Release  
escrow

