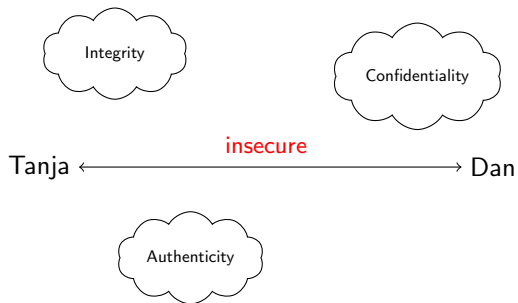


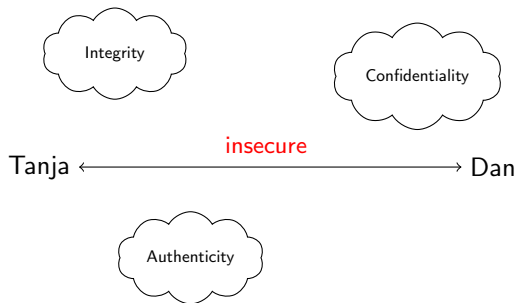
Accelerating Pre- and Post-Quantum Cryptography

Tung Chou

Tanja ← insecure → Dan

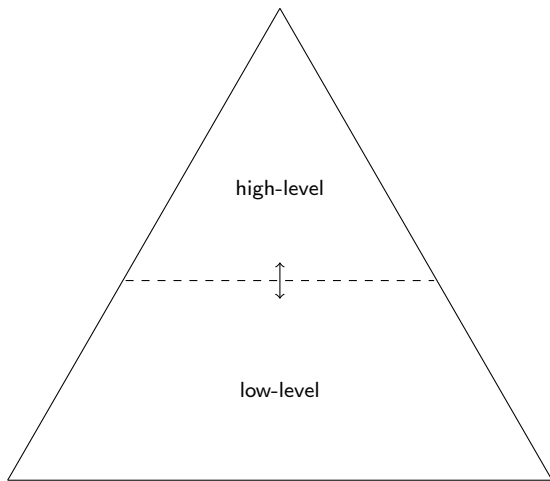
Cryptography



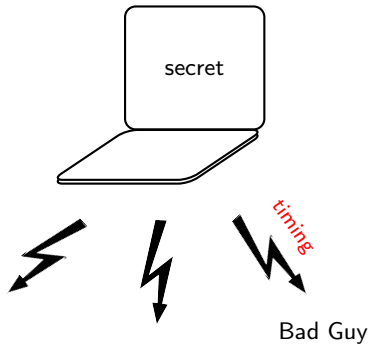


Challenge: Efficiency vs. Security

Optimization for efficiency



Secure computation

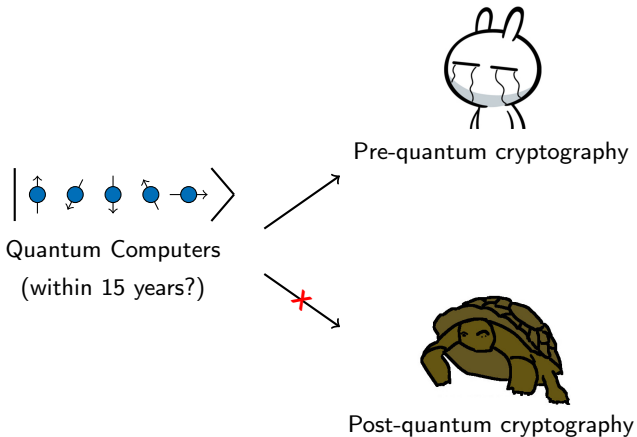


Post-quantum cryptography



Quantum Computers
(within 15 years?)

Post-quantum cryptography



Overview

	Pre-quantum	Post-quantum
Constructive	Sandy2x OT	McBits QcBits Auth256
Destructive	BADA55	XL