

Oxjei // DEVCON 7 SEA

# The combination of ZKP +/- MPC +/- FHE



# Programmable Cryptography



# Programmable Cryptography



**ZKP**

proof of computation



# MPC

## private computation



FHE

encrypted computation



ZKP +/- MPC +/- FHE



**ZKP +/- MPC**

**Verifiable MPC  
Proof Delegation**





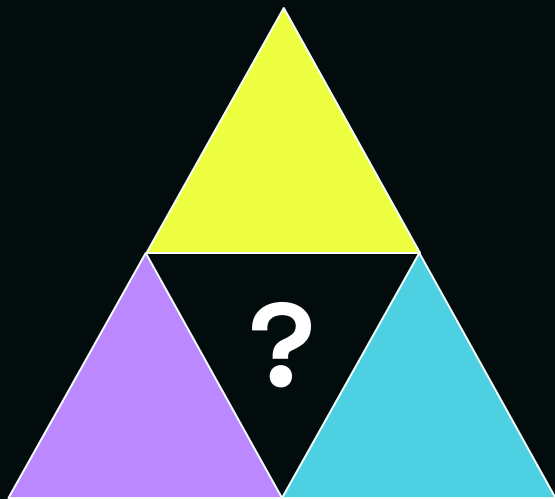
**MPC +/- FHE**

**Distributed / Multi-key FHE**  
**Generic MPC**



**ZKP +/– FHE**

# Verifiable Encryption & Computation





-- thank you --