* Comparison.

	zk8oo, Ligero Σ - protocol	Pinocchio, Geppetto SNARK
algebraic	no trust setup short proof	
non-algebraic	large proof	succinct proof verifiable computation

• Research Motivation

- Σ - protocol : verification 할 때, non-algebraic operation으로 representation 할 경우↑

- SNARKs → STARKs : algebraic operation의 efficiency 개선.

⇒ Hybrid : committed value $\xrightarrow{\text{non-algebraic}}$ SNARK

$\downarrow$ algebraic

Σ - protocol ⟵⎯⎯⎯⎯ [AGM18] @ CRYPTO'18 .