

# Zero Knowledge Compilers

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# Interactive Proof

Must satisfy:

- *Completeness*: For every  $x \in S$ , the verifier always accepts after interacting with the prover on common input  $x$ .
- *Soundness*: For every  $x \notin S$ , the verifier rejects with probability at least  $\frac{1}{p(|x|)}$ .