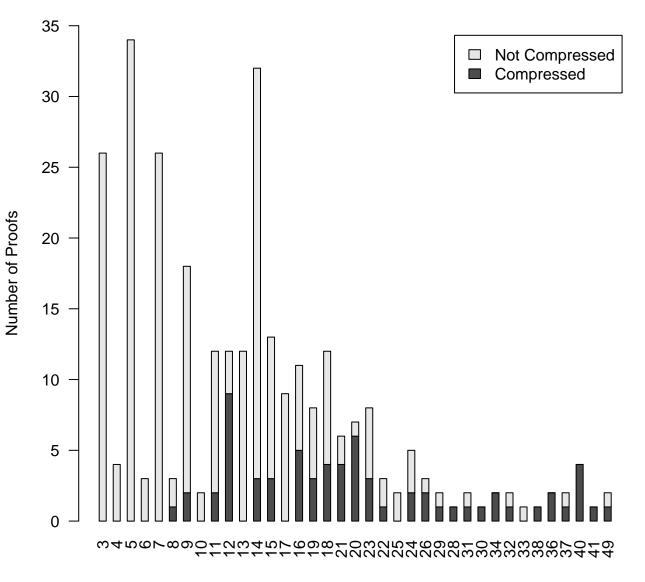**Number of Proofs Compressed by Proof Length**