Public vs. Private Blockchains - Scenario Analysis

Current state of zero-knowledge proofs							
Fixed cost per transaction	8.7832						
Variable cost per transaction	5.0610						
	\$13.8442						
Sensitivity test (formula)	ublic blockchains (ZKPs) are cheaper						
Future state of zero-knowledge proofs							
Fixed cost per transaction	\$8.7832						
Variable cost per transaction*	\$0.4167						
	\$9.1999						
Sensitivity test (formula)	ublic blockchains (ZKPs) are cheaper						
Private blockchain costs							
Fixed cost per transaction	\$171.4804						

^{*} Assume 12 proofs computed per hour

<u>Table</u>

Tx per day
Annual transactions
Private blockchain
ZKP - current
ZKP - future

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	9,125	36,500	365,000	697,880	3,650,000	109,500,000
	\$34.2962	\$8.5742	\$0.8576	\$0.4486	\$0.0859	\$0.0030
	\$7.4752	\$5.6646	\$5.1214	\$5.0926	\$5.0671	\$5.0613
	\$2.8309	\$1.0203	\$0.4771	\$0.4483	\$0.4228	\$0.4169

