

Formal verification of Balancer

Milestone 1: translation	Translate the Solidity code of Balancer to the proof system Coq
Milestone 2: specification	Specify the smart contracts starting from what is given in the tests
Milestone 3: verification	Formally verify all the smart contracts

Total Costs	\$10,000.00	Est completion date	4th week of January
Total Costs	\$10,000.00	Est completion date	2nd week of February
Total Costs	\$10,000.00	Est completion date	4th week of February

✓ = deliverable complete

#	TASK	BUDGET	TASK OWNER	January					February																			
				1/16 to 1/31					2/1 to 2/28																			
1	Milestone #1	\$10,000.00																										
1.1	Translation to the proof system Coq of all the Solidity smart contracts in the project https://github.com/balancer-labs/balancer-v2-mo	\$10,000.00	Guillaume Claret																									
2	Milestone #2	\$10,000.00																										
2.1	Expression in the proof system of a specification for all the Solidity smart contracts, by taking and generalizing what is already in the tests	\$10,000.00	Guillaume Claret																									
3	Milestone #2	\$10,000.00																										
3.1	Formal verification of all the specifications in Coq	\$10,000.00	Guillaume Claret																									
Total		\$30,000.00																										