

BUG REPORT

Incorrect refund math



Mundus

02 Dec 2025

Bug Report: QVE-2025-0006

Bug ID	QVE-2025-0006
Finder	<i>Mundus team</i>
Date (reported)	02.12.2025
Status	<i>Found bug</i>
Bug Description	
URL	https://github.com/qubic/core/blob/v1.268.1/src/contracts/Nostromo.h#L641
Summary	The subtraction is reversed, causing the calculation to produce a negative number. When cast to uint64, this becomes a massive number, potentially causing the transfer to fail or exhibit undefined behavior.
Consequences	Undefined behavior
Solution	qpi.transfer(qpi.invocator(), qpi.invocationReward() - NOSTROMO_QX_TOKEN_ISSUANCE_FEE);
Priority	Minor
Severity	Minor

Additional Notes, step-by-step Description: N/A