Erratum: Catalytic Quantum Randomness
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We report an error found in this Letter: In Sec. V, there is both a typographic error in Theorem 3 as well as a false statement concerning the speed of convergence of the expander graph construction that we present in the section. The relevant scaling is exponential with the *system size* (i.e., the logarithm of the Hilbert-space dimension) rather than with the Hilbert-space dimension of the source of randomness R , as originally claimed. There are corresponding typographic errors in the statement of Theorem 3, in which every occurrence of the term $8k$ should be corrected to 8^k . Furthermore, in the statement of the theorem, it should read $U \in \text{U}(d8^k)$ instead of $U \in (d8k)$, $\text{U}(n)$ denoting the group of $n \times n$ unitary matrices. Given these corrections to the statement of the theorem, the theorem is correct and so is the proof.

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