HUBO and QUBO models for prime factorization

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We provide Python codes used in the manuscript. To test these codes, simply change the given prime number.

Code1. “PF\_QUBO. PDF” This code uses a quantum annealer by changing the HUBO model to the QUBO model for a prime factorization model.

Code2. “PF\_RSA\_14qubits.PDF” This code is the result of using the quantum annealer for the HUBO model of a prime factorization model.

Code3. “PF\_RSA\_Subrange.PDF” This code is the result of using the quantum annealer by applying the range dependent Hamiltonian algorithm to the HUBO model for a prime factorization model.

Code4. “PF\_RSA\_100x\_small.PDF” This code is the result of a prime factorization of numbers where the magnitudes of the two primes differ by about 100 times.