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How to run a near term gate model quantum computer

I will discuss quantum algorithms for optimization that can be run on near term gate model quantum computers. In particular I will discuss an approach to optimization that is a variant of the Quantum Approximate Optimization Algorithm and uses only gates that are available given the hardware layout. These algorithms can be tried without error correction or compilation so that the number of logical qubits is the number of physical qubits. The ultimate strength of this approach will be determined when actual quantum computers test them