

QUANTUM COMPUTING MINIPROJECT

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1. QUANTUM LINK SPECIFICATION

2. LEVERAGING EXISTING INFRASTRUCTURE TO BUILD A QUANTUM NETWORK

3. RESOURCE ALLOCATION AND ECONOMICAL ANALYSIS

Given a quantum network as described in the previous section, we wish to devise a scheme of resource allocation within the network that is practically efficient. Thus, we may determine the relative importances of different components of the network, viz. nodes and links, and ascertain a framework for monetary compensation in exchange for a Quantum network service.

We use the QL Specification from section 1. Refer to `part_3.pdf` for the full specification.