Algorithm encodes financial information onto each qubit; via a series of RX rotation gate operations. Parameterize gates using real-time streaming data of returns, standard deviation (converted to PCA 1, 2 values) of each assets, algorithmic trading strategies, and portfolios data. After transforming our high-dimensional, high-frequency real-time data, we encode the resulting PCA 1, 2 values; represented by each qubit's quantum state, where theta (θ) is the angle of rotation.

Ex. Leap IDE output:

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