## Physics Undergraduate Research (PHYS497)

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## 1 Instroduction

This paper shows the idea of relizaion of braiding of Majorana fermions but as series of measurement istead. And then using Jordan-Wigner transformation to write Majorana operators in terms of spin (fermionic) system. Hence, we can use methods provided by qiskit package to simulate such an idea and system.

## 2 As Series of Measurement

As a demostration for the idea, we'll start with a system of 4 Majorana fermions, corresponding to two fermions.