

Good first issues in reworkx

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git: <https://github.com/Qiskit/reworkx/>

Project summary:

- reworkx is a high performance general purpose graph library written in Rust for Python 3.
- It was originally developed to replace the usage of NetworkX, the gold standard Python graph library, in Qiskit.
- While featureful, NetworkX is slow, because it is implemented using Python. Hence the need for something like reworkx.
- This project is aimed at fixing some of the “good first issues” in reworkx.

Plans and Progress

I wanted to join this project because

1. I wanted to learn more about graph theory, and
2. I wanted to get some real-world experience with Rust.

I am mostly in the issues that are about bridging the gap, in terms of functionalities offered, between NetworkX, and reetworkx. Particularly:

1. Graph generators (Issue #150)
2. Graph operations (Issue #440)

At present I am getting more accustomed, and I have submitted my first PR, adding a generator for the undirected lollipop graph.

A (5, 3) lollipop graph.

