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QAMP - Checkpoint 2

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Add Scipy MILP solver to Qiskit optimization #2

Our goal for this project is to implement a `ScipyMILPsolver` for the qiskit-optimization module. We conceive this can be achieved within two steps:

1. Build a function to extract problem information from the `QuadraticProblem` class and input the information to the `scipy.optimization.milp` solver. As the MILP solver only applies to linear problem, we raise an error for non-linear problem input.
2. Translate the optmization result from the solver and load it to the `OptimizationResult` class.

We have finished the two steps in a JupyterNotebook format and our code is able to take an `QuadraticProblem` input and give an `OptimiationResult` output. Specifically, we considered two different methods for converters: our converters allow for both dense problems and sparse problems, which is compatible with different input.

As the next step, we will integrate our code with the stable qiskit optimization module. We need to pack all the code into a new class `ScipyMILPsolver`, do sanity test and write a tutorial to tell qiskit users how to use it.