The file contains two programs, i.e, partition\_problem\_Bertsimas.py and partition\_problem\_our\_linear.py, which implement Bertsimas’ model and the proposed model, respectively. Before running the program, you should install required Python libraries, including gurobipy, numpy, and pandas. We list the Python version and the version of the Python library used in this paper in Table 1 for your reference.

Table 1. The version of Python and Python library

|  |  |
| --- | --- |
| Item | Version |
| Python | 3.7 |
| Gurobi | 11.0.1 |
| Numpy | 1.21.6 |
| Pandas | 1.3.5 |