|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Client size | Providers size | Heuristic (ms: miliseconds) | Gurobi (ms) | Cbc (ms) |
| 10 | 10 | 3.749 | 3.476 | 126.361 |
| 25 | 100 | 20.929 | 18.768 | 790.782 |
| 50 | 100 | 26.052 | 63.887 | 34360 |
| 100 | 100 | 63.591 | 198.068 | 5 minutes can’t solve |
| 200 | 200 | 136.177 | 5 minutes can’t solve | 5 minutes can’t solve |

* For heuristic method, increasing providers size doesn’t increase the run-time a lot. (client=100, provider= 100 or 300 has very similar run-time).
* For most? (all? Need to check), the heuristic algorithm actually gave the optimal cost (equal to MIP model’s optimal cost).
  + Related to all vehicles starting at hour 0?
* For MIP models: even setting up the constraints take quite long for client size: 200