**Heuristics**

hard to find the optimal solution. The method finding the solution not necessarily optimal.

**Construction heuristic vs meta-heuristics**

Construction heuristic uses some rules such as simple rule/greedy rule

meta-heuristics use GA, tabu

**NP-hardness (non-deterministic polynomial-time)?**

**hybrid large neighborhood search (H-LNS)**

The neighbour has large difference from the parents

**CPLEX**

A program to get optimal solution of linear programming. But needs to take large amount of time.