

Integer Programming: Popular Problems

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1 Traveling Salesman Problem

1. IP using subtour elimination.
2. Short MIP.
3. NP-hardness from Hamiltonian path.
4. DP solution.

2 Capacitated Facility Location

1. IP

3 Uncapacitated Lot Sizing

1. Solution using LP.
2. DP solution.

4 Assortment Optimization

1. Solution using LP.

5 Fixed-Charge Min-Cost Network Flow

1. IP.