

B6.3 Flow Chart

I. Terminology and Basic Techniques

L1: Modelling

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L4: Formulations

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L5: Total Unimodularity

L2: Linear Programming

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L3: Dual Simplex

↳ (warm starts)

II. Solving IPs with Specific Structure

(Stand alone material)

L6: Submodularity

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L7: Matroids

III. Solving General IPs

→ L8: Branch & Bound

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L9: LP-based B&B

L14: Cutting Planes

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L15: Gomory Cuts

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L16: Branch & Cut

IV. Solving Large Scale IPs

L10: Delayed Column Generation

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L11: Branch & Price

L12: Lagrangian Relaxation

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L13: Lagrangian Dual