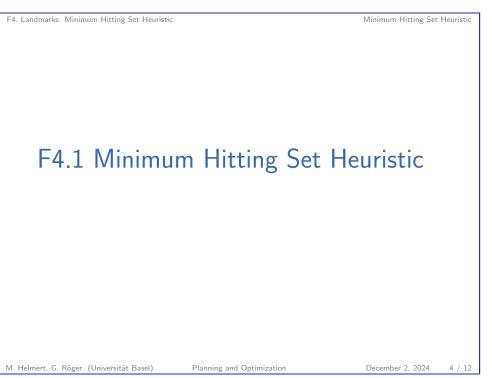
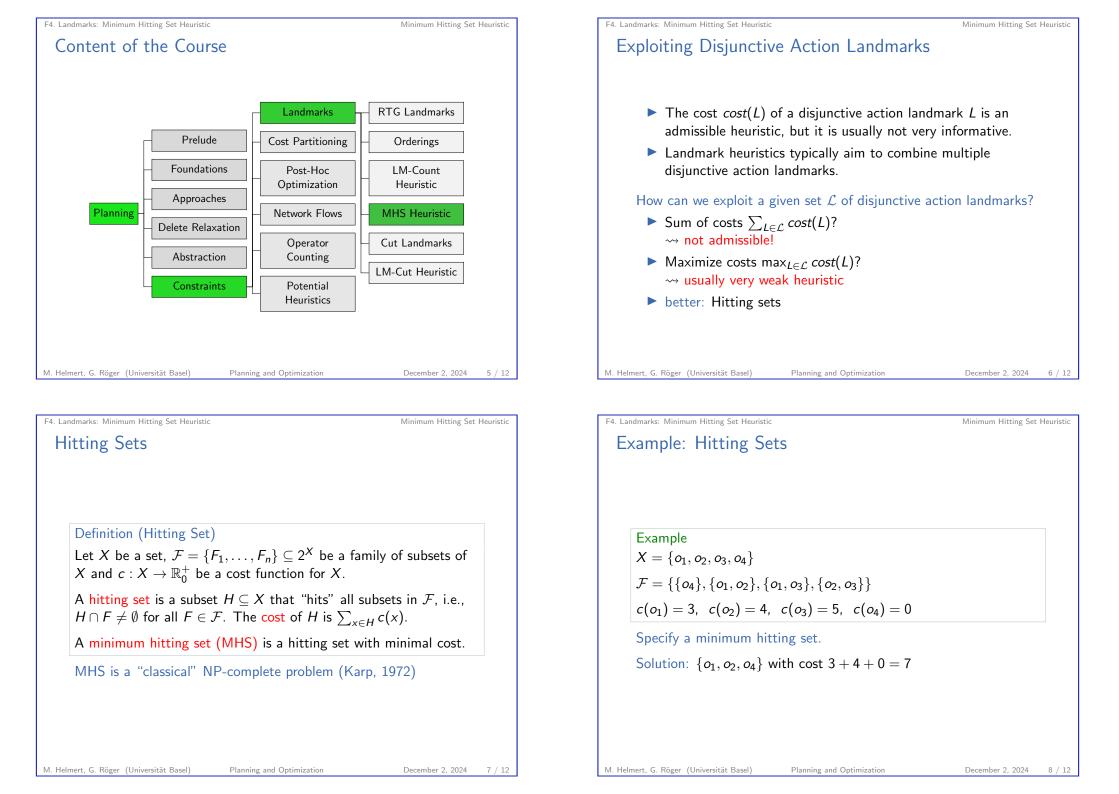


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Hitting Sets for Disjunctive Action Landmarks

Idea: disjunctive action landmarks are interpreted as instance of minimum hitting set

Definition (Hitting Set Heuristic)

Let \mathcal{L} be a set of disjunctive action landmarks. The hitting set heuristic $h^{\text{MHS}}(\mathcal{L})$ is defined as the cost of a minimum hitting set for \mathcal{L} with c(o) = cost(o).

Proposition (Hitting Set Heuristic is Admissible) Let \mathcal{L} be a set of disjunctive action landmarks for state s. Then $h^{MHS}(\mathcal{L})$ is an admissible estimate for s.

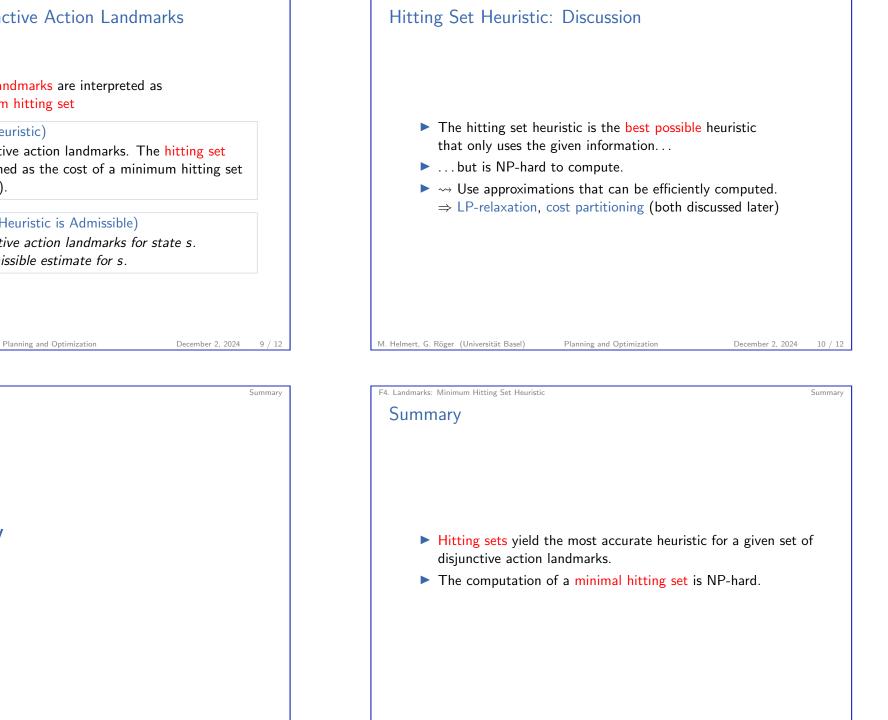
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F4. Landmarks: Minimum Hitting Set Heuristic

F4.2 Summary

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F4. Landmarks: Minimum Hitting Set Heuristic