Problem Solving Homework (Week 4)

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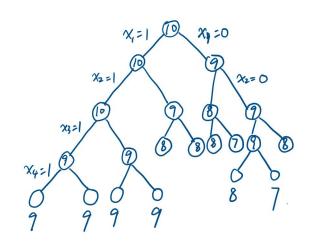
2018年7月4日

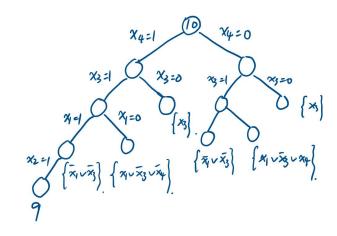
JH Chapter 3

3.4.2.2

This is right DFS's search tree:

3.4.2.1





This is left DFS's search tree:

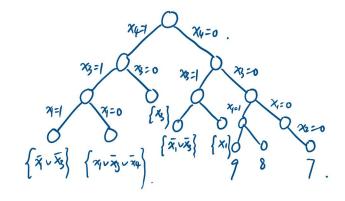


图 1: REVISE

Knapsack

Sort all items by its cost, in ascending order. The enumerate all possibilities. A favorable instance can be $\{W,C,b\}=\{2,3,4,1,2,3,4\}$, and an unfavorable instance can be $\{W,C,b\}=\{4,3,2,1,2,3,4\}$.