

Problem Solving and Search in AI Tutorial 5 (on July 4th)

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SS 2017

Exercise 5.1:

Consider the constraint graph G from Exercise 1.1. Make the treedecomposition of G using the elimination ordering of

- a) the min-fill heuristic;
- b) how would you solve the problem with the obtained treedecomposition?

Answer the following questions.

1. What is the width of the particular tree-decompositions?
2. How big is the search space for G ?
3. How big is the search space for the TD of a)?