

Problem Solving and Search in AI Tutorial 6 (on July 7th)

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SS 2015

Exercise 6.1:

Consider the constraint graph G from Exercise 5.1. Make the treedecomposition of G using the elimination ordering of

- a) the min-fill heuristic, and
- b) the max-cardinality search.

Answer the following questions.

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