

Principles of AI Planning

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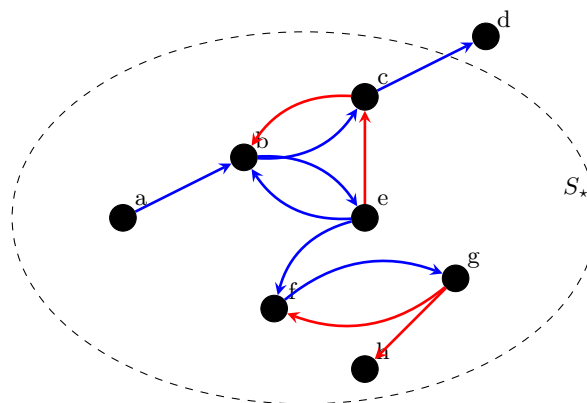
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Exercise Sheet 14

Due: No submission – no grading – optional exercises

Exercise 14.1 (Maintenance Goals)

Simulate the computation of the algorithm for maintenance goals for the following nondeterministic transition system with two operators o_{red} and o_{blue} .



Specify the sets $Safe_i$ and a resulting plan for maintenance π .

Exercise 14.2 (Planning literature)

As part of your work on exercise sheet 1, you read the paper titled “Everything You Always Wanted to Know About Planning (But Were Afraid to Ask)” by Jörg Hoffmann, published at the annual German Conference on Artificial Intelligence (KI) in 2011.

Back then, you were asked to write, as an answer to the exercise, two questions that came to your mind when reading the paper and that you would like to discuss in the exercise group.

Re-read the paper (however cursorily) and compare your impression of it you had three months ago and now. Does the paper give you a good overview of what material we discussed in class?

The paper can be found here: <http://fai.cs.uni-saarland.de/hoffmann/papers/ki11.pdf>