Probabilistic Graphical Models

Problem Set 12

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Problem 1: Reading Summary

Write a summary of the previous lecture covering the following topics:

- How to deal with evidence in variable elimination algorithm?

- How to obtain a Markov network from a Bayesian network?

- Elimination as graph transformation

- Finding elimination orderings

* Write down all formulas in your written summary and explain in detail each step of the derivation.

Submit your solutions to naser.elmi@ut.ac.ir and fahimehpalizban@ut.ac.ir by Khordad 6, 1398.