

Symbolic Approaches for Finding Control Strategies in Boolean Networks

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Abstract

This file contains supplemental figures and text to the paper of the same title appearing in the Journal of Bioinformatics and Computational Biology.

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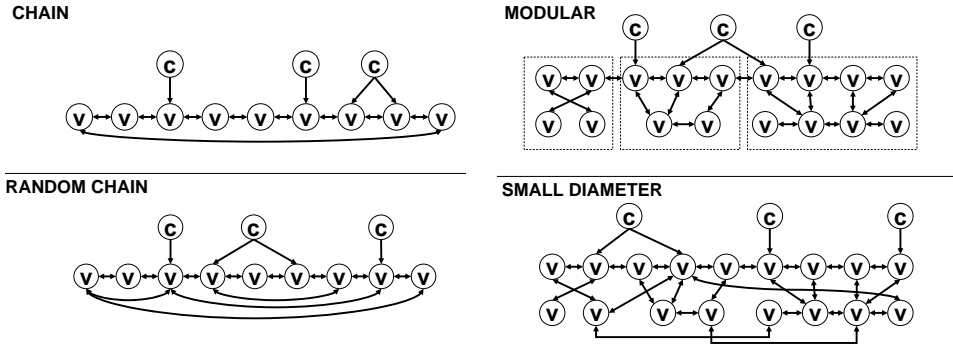


Figure 1: Network topologies used in our experiments on scalability. *Chain* describes a model where the variables form a circular chain. *Random Chain* describes a model where the variables form a circular chain, but a random number of “long-range” edges are added. *Modular* describes a model with coupled modules. Each module is outlined. *Small Diameter* describes a model where a graph has a small diameter. In each case, the placement of the control nodes is random.

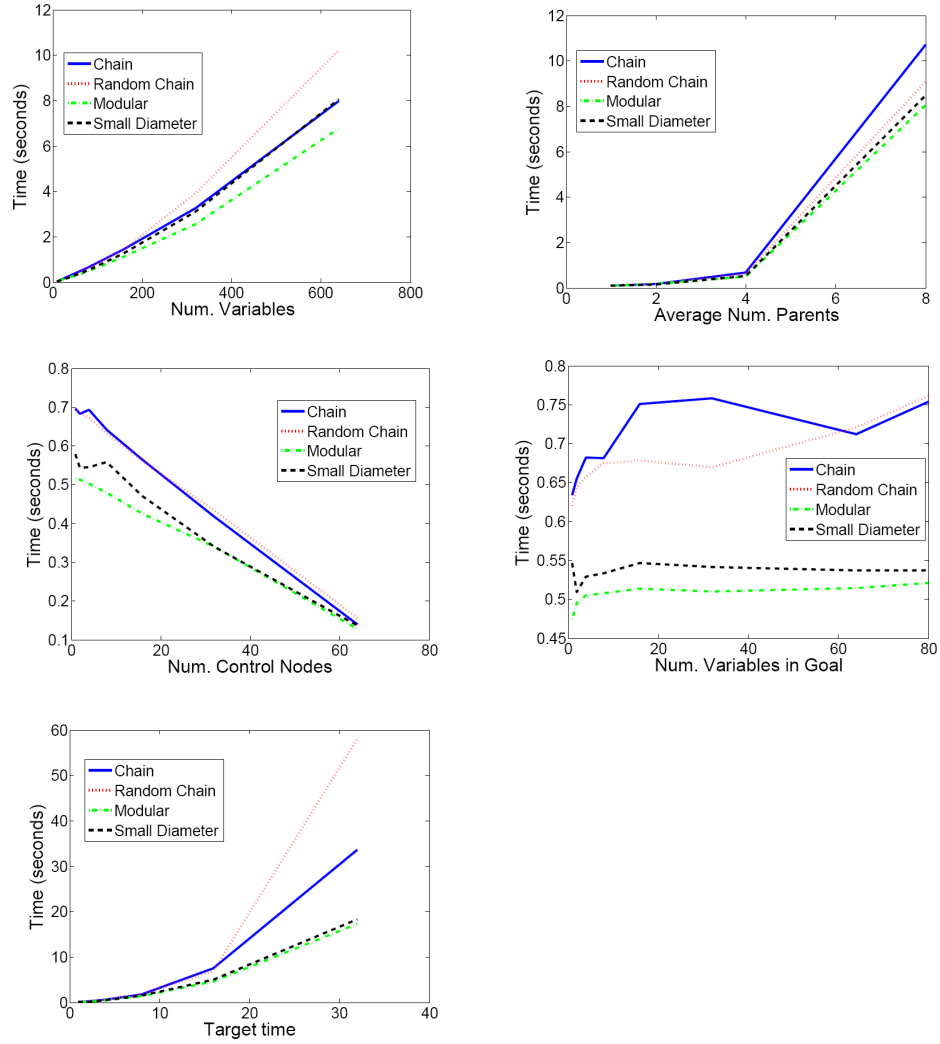


Figure 2: Runtimes for the experiments outlined in Sec. 6.1. Vertical axis represents runtime (in seconds). Horizontal axis refers to the varied parameter (see text).