INVERSE BLOCK-SEQUENTIAL OPERATOR IN CONJUNCTIVE NETWORKS

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Abstract: We address the problem of determining the dynamical behaviors of synchronous conjunctive networks which can be simulated by some conjunctive network with a block-sequential schedule. In particular, we show a polynomial algorithm that given a conjunctive network N and a scheme s, returns a conjunctive network N′ (if it exists) such that N′ updated with s has the same dynamical behavior that N synchronously updated.