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The advent of high throughput technology enables us to gather a huge amount of data pertaining to interactions among biological components. However, data accuracy due to missing and/or false interactions is often a concern. In this work, we aim to address the potential effects due to additional interactions. More specifically, based on Boolean network framework, we study possible impacts on the dynamics of three-node network systems and also consider potential effects of a sequence of interactions on the dynamics of some classes of networks. (Received September 25, 2018)