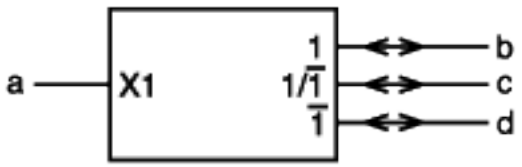
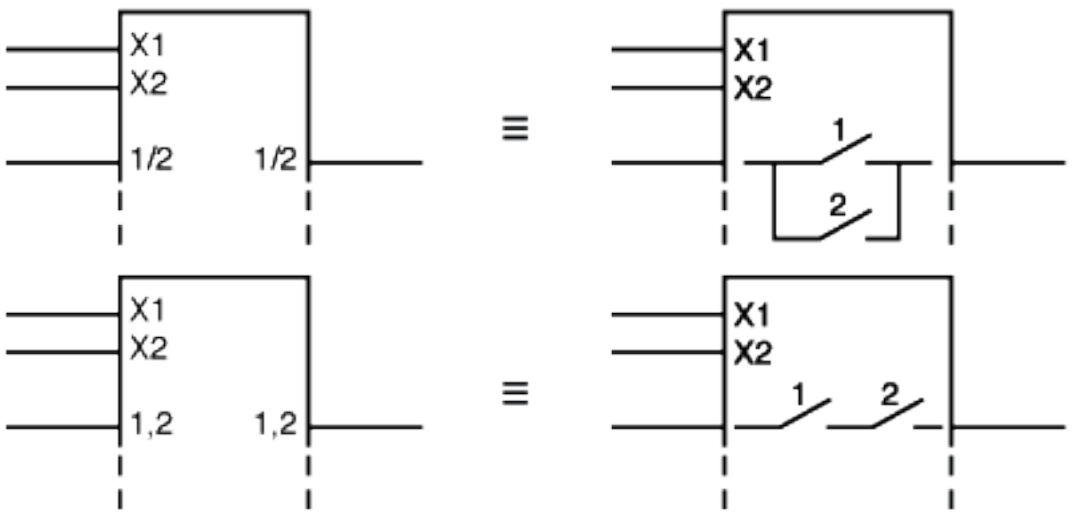
Illustrations

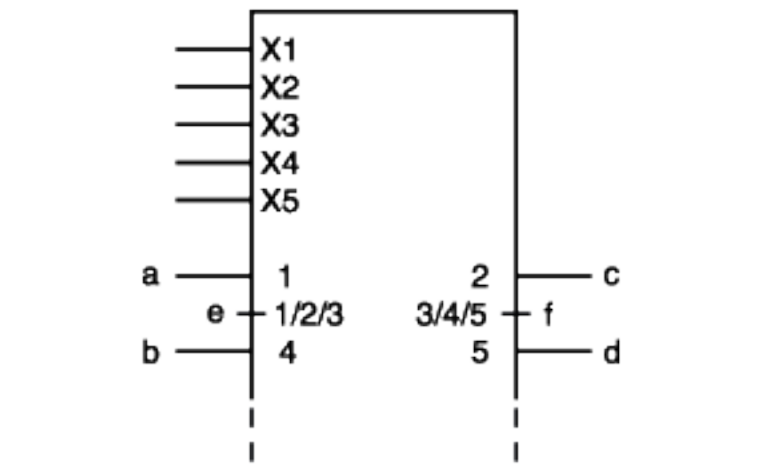


If input a satnds at its internal 1-state, there is a bidirectional transmission path between b and c.

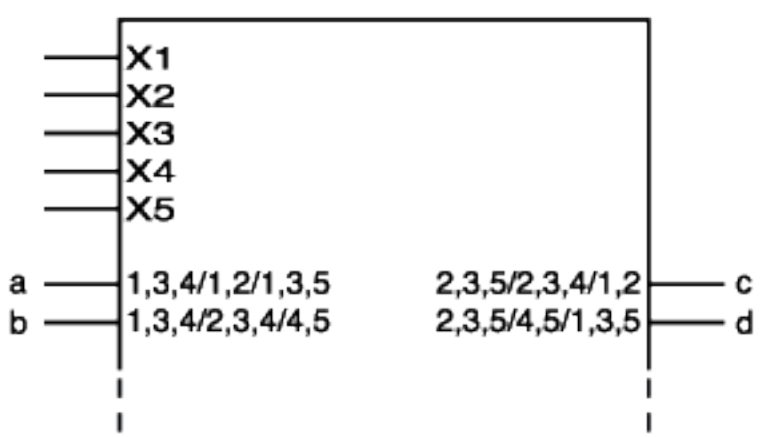
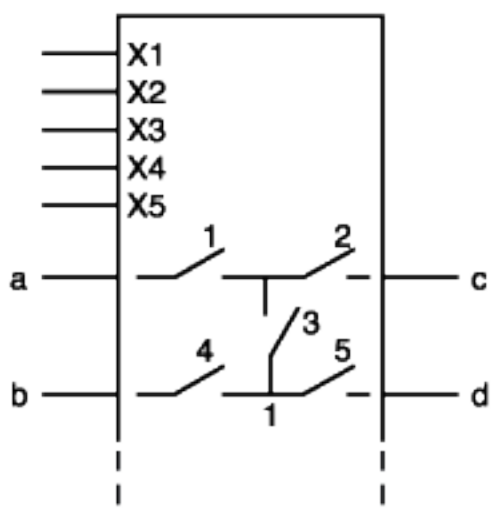
If input a satnds at its internal 0-state, there is a bidirectional transmission path between c and d.



The use of virtual inputs and outputs can simplify an otherwise complicated string of notations:



or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