

List of rewrite rules

1.	Commutativity of static gates	144
2.	Gates with identical types and successors	145
3.	Gate with only one successor	145
4.	Add an OR in between.	145
5.	Left-flattening of and/or/pand gates	146
6.	Remove elements without a predecessor.	147
7.	First two successors of AND/OR/PAND identical.	148
8.	Subsumption of or-gate by an and-gate.	148
9.	Subsumption of or-gate by an and-gate.	149
10.	Distribution of or-gates over and-gates.	150
11.	Or-gate with an infallible successor.	150
12.	Or-gate with a constant fault as successor.	150
13.	And gate with an infallible successor	151
14.	And-gate with a constant fault as successor.	151
15.	Voting with threshold 1 is an or-gate.	151
16.	Voting with m successors and threshold m is an and-gate.	152
17.	Shannon expansion	152
18.	And-gate using or- and pand-gates	154
19.	Conflicting PANDs with independent children.	154
20.	Pand-gate with a pand-gate as successor	155
21.	Pand-gate with an or-gate as first successor	155
22.	Pand-gate with an or-gate as successor (special case)	156
23.	Pand gate with a constant fault as non-first successor	156
24.	Eliminating FDEPs by the introduction of a or-gate	157
25.	Superfluous FDEPs from AND to a successor.	158
26.	Superfluous FDEP from OR to successor.	159
27.	Removing FDEP between successors of an OR.	159
28.	Removing FDEP between successor and a previous successor of an PAND.	160
29.	Simplifying FDEPs in context of an AND.	160