

Sheet1

SN	STATE	NEXT STATE	TRIGGER
0	0	s_wait	(!rst).(!sw_reset)
1	0	s_store	(sw_reset)
2	0	0	(rst).(!sw_reset)
3	s_changedpd	s_store	(sw_reset)
4	s_changedpd	s_changedpd	(!scanner:scanner).(!scanner:scanner).(!rst).(!sw_reset) + (!scanner:scanner).(scanner:scanner).(!Equal13).(!LessThan6).(!rst).(!sw_reset) + (!scanner:scanner).(scanner:scanner).(Equal13).(!rst).(!sw_reset) + (scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!rst).(!sw_reset) + (scanner:scanner).(!scanner:scanner).(scanner:scanner).(!Equal13).(!LessThan6).(!rst).(!sw_reset) + (scanner:scanner).(!scanner:scanner).(scanner:scanner).(scanner:scanner).(Equal13).(!rst).(!sw_reset) + (scanner:scanner).(scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!rst).(!sw_reset) + (scanner:scanner).(scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!rst).(!sw_reset) + (scanner:scanner).(scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!Equal13).(!LessThan6).(!rst).(!sw_reset) + (scanner:scanner).(scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!Equal13).(!rst).(!sw_reset) + (scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!rst).(!sw_reset) + (scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!Equal14).(!Equal13).(!LessThan6).(!rst).(!sw_reset) + (scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!Equal14).(!Equal13).(!LessThan6).(!rst).(!sw_reset) + (scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!Equal14).(!Equal13).(!LessThan5).(!rst).(!sw_reset) + (scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!rst).(!sw_reset) + (scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!Equal13).(!LessThan6).(!rst).(!sw_reset) + (scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!Equal13).(!rst).(!sw_reset)

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5	s_changedpd	0	(!scanner:scanner).(!scanner:scanner).(rst).(!sw_reset) + (!scanner:scanner).(scanner:scanner).(!Equal13).(!LessThan6).(rst).(!sw_reset) + (!scanner:scanner).(scanner:scanner).(!Equal13).(LessThan6).(!sw_reset) + (!scanner:scanner). (scanner:scanner).(Equal13).(rst).(!sw_reset) + (scanner:scanner).(!scanner:scanner).(!scanner:scanner).(rst).(!sw_reset) + (scanner:scanner).(!scanner:scanner).(scanner:scanner).(!Equal13).(!LessThan6).(rst).(!sw_reset) + (scanner:scanner).(! scanner:scanner).(scanner:scanner).(!Equal13).(LessThan6).(!sw_reset) + (scanner:scanner).(!scanner:scanner). (scanner:scanner).(Equal13).(rst).(!sw_reset) + (scanner:scanner).(scanner:scanner).(!scanner:scanner).(!scanner:scanner).(! scanner:scanner).(rst).(!sw_reset) + (scanner:scanner).(scanner:scanner).(!scanner:scanner).(!scanner:scanner). (scanner:scanner).(!Equal13).(!LessThan6).(rst).(!sw_reset) + (scanner:scanner).(scanner:scanner).(!scanner:scanner).(! scanner:scanner).(scanner:scanner).(!Equal13).(LessThan6).(!sw_reset) + (scanner:scanner).(scanner:scanner).(! scanner:scanner).(!scanner:scanner).(scanner:scanner).(Equal13).(rst).(!sw_reset) + (scanner:scanner).(scanner:scanner).(! scanner:scanner).(scanner:scanner).(!scanner:scanner).(rst).(!sw_reset) + (scanner:scanner).(scanner:scanner).(! scanner:scanner).(scanner:scanner).(scanner:scanner).(!Equal14).(!Equal13).(!LessThan6).(rst).(!sw_reset) + (scanner:scanner).(scanner:scanner).(!scanner:scanner).(scanner:scanner).(scanner:scanner).(!Equal14).(!Equal13). (LessThan6).(!sw_reset) + (scanner:scanner).(scanner:scanner).(!scanner:scanner).(scanner:scanner).(scanner:scanner).(! Equal14).(Equal13).(rst).(!sw_reset) + (scanner:scanner).(scanner:scanner).(!scanner:scanner).(scanner:scanner). (scanner:scanner).(Equal14).(!Equal13).(!sw_reset) + (scanner:scanner).(scanner:scanner).(!scanner:scanner). (scanner:scanner).(scanner:scanner).(Equal14).(Equal13).(!LessThan5).(!sw_reset) + (scanner:scanner).(scanner:scanner).(! scanner:scanner).(scanner:scanner).(scanner:scanner).(Equal14).(Equal13).(LessThan5).(rst).(!sw_reset) + (scanner:scanner).(scanner:scanner).(scanner:scanner).(!scanner:scanner).(rst).(!sw_reset) + (scanner:scanner). (scanner:scanner).(scanner:scanner).(scanner:scanner).(!Equal13).(!LessThan6).(rst).(!sw_reset) + (scanner:scanner). (scanner:scanner).(scanner:scanner).(scanner:scanner).(!Equal13).(LessThan6).(!sw_reset) + (scanner:scanner). (scanner:scanner).(scanner:scanner).(scanner:scanner).(!Equal13).(rst).(!sw_reset)
6	s_resetram	s_store	(!rst) + (rst).(sw_reset)
7	s_resetram	0	(rst).(!sw_reset)

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8	s_store	s_store	(!scanner:scanner).(!rst) + (!scanner:scanner).(rst).(sw_reset) + (scanner:scanner).(!scanner:scanner).(!rst) + (scanner:scanner).(!scanner:scanner).(rst).(sw_reset) + (scanner:scanner).(scanner:scanner).(!scanner:scanner).(!rst) + (scanner:scanner).(scanner:scanner).(!scanner:scanner).(rst).(sw_reset) + (scanner:scanner).(scanner:scanner). (scanner:scanner).(!scanner:scanner).(!scanner:scanner).(!rst) + (scanner:scanner).(scanner:scanner).(scanner:scanner).(! scanner:scanner).(!scanner:scanner).(rst).(sw_reset) + (scanner:scanner).(scanner:scanner).(scanner:scanner).(! scanner:scanner).(!scanner:scanner).(!counter[0]).(!counter[2]).(!rst) + (scanner:scanner).(scanner:scanner).(scanner:scanner). (!scanner:scanner).(scanner:scanner).(!counter[0]).(!counter[2]).(rst).(sw_reset) + (scanner:scanner).(scanner:scanner). (scanner:scanner).(!scanner:scanner).(scanner:scanner).(!counter[0]).(counter[2]).(sw_reset) + (scanner:scanner). (scanner:scanner).(scanner:scanner).(!scanner:scanner).(scanner:scanner).(counter[0]).(!counter[1]).(!counter[2]).(!rst) + (scanner:scanner).(scanner:scanner).(scanner:scanner).(!scanner:scanner).(scanner:scanner).(counter[0]).(!counter[1]).(! counter[2]).(rst).(sw_reset) + (scanner:scanner).(scanner:scanner).(scanner:scanner).(!scanner:scanner).(!scanner:scanner). (counter[0]).(!counter[1]).(counter[2]).(sw_reset) + (scanner:scanner).(scanner:scanner).(scanner:scanner).(!scanner:scanner). (scanner:scanner).(counter[0]).(counter[1]).(sw_reset) + (scanner:scanner).(scanner:scanner).(scanner:scanner). (scanner:scanner).(!rst) + (scanner:scanner).(scanner:scanner).(scanner:scanner).(!rst).(sw_reset)
9	s_store	s_changedpd	(scanner:scanner).(scanner:scanner).(!scanner:scanner).(scanner:scanner).(scanner:scanner).(!counter[0]).(counter[2]).(!rst).(! sw_reset) + (scanner:scanner).(scanner:scanner).(!scanner:scanner).(scanner:scanner).(scanner:scanner).(counter[0]).(! counter[1]).(counter[2]).(!rst).(!sw_reset) + (scanner:scanner).(scanner:scanner).(!scanner:scanner).(scanner:scanner). (scanner:scanner).(counter[0]).(counter[1]).(!rst).(!sw_reset)
10	s_store	0	(rst).(!sw_reset)
11	s_unlock	s_unlock	(scanner:scanner).(scanner:scanner).(scanner:scanner).(!scanner:scanner).(scanner:scanner).(!rst).(!sw_reset)
12	s_unlock	s_store	(sw_reset)
13	s_unlock	0	(!scanner:scanner).(!sw_reset) + (scanner:scanner).(!scanner:scanner).(!sw_reset) + (scanner:scanner).(scanner:scanner).(! scanner:scanner).(!scanner:scanner).(!sw_reset) + (scanner:scanner).(scanner:scanner).(!scanner:scanner). (scanner:scanner).(!scanner:scanner).(!sw_reset) + (scanner:scanner).(scanner:scanner).(!scanner:scanner). (scanner:scanner).(scanner:scanner).(rst).(!sw_reset) + (scanner:scanner).(scanner:scanner).(scanner:scanner).(!sw_reset)
14	s_wait	s_wait	(!Equal8).(!scanner:scanner).(!rst).(!sw_reset) + (!Equal8).(scanner:scanner).(!LessThan1).(!Equal9).(!rst).(!sw_reset) + (! Equal8).(scanner:scanner).(!LessThan1).(!Equal9).(!scanner:scanner).(!rst).(!sw_reset) + (!Equal8).(scanner:scanner).(! LessThan1).(!Equal9).(scanner:scanner).(!scanner:scanner).(!rst).(!sw_reset) + (!Equal8). (scanner:scanner).(!LessThan1).(!Equal9).(scanner:scanner).(!scanner:scanner).(!rst).(!sw_reset) + (!Equal8).(! scanner:scanner).(!rst).(!sw_reset) + (!Equal8).(scanner:scanner).(!Equal9).(!rst).(!sw_reset) + (!Equal8).(scanner:scanner). (!Equal9).(!scanner:scanner).(!rst).(!sw_reset) + (!Equal8).(scanner:scanner).(!Equal9).(scanner:scanner).(!scanner:scanner).(! scanner:scanner).(!rst).(!sw_reset) + (!Equal8).(scanner:scanner).(!Equal9).(scanner:scanner).(!scanner:scanner).(! scanner:scanner).(!rst).(!sw_reset) + (!Equal8).(scanner:scanner).(!LessThan0).(!rst).(!sw_reset) + (!Equal8).(scanner:scanner).(!Equal9).(scanner:scanner).(!rst).(!sw_reset)

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