

























E	xai	mp	ole									
Dot #	Input					Internal						Output
rat #		A	$A_{f}$	В	С	Е	F	L	J	$J_{g}$	H	K
	FF	0	0	1	0	1	1	1	0	0	0	1
$P_1$	f	0	1	1	0	1	1	1	0	0	1	0
	gg	0	0	1	0	1	1	1	0	0	0	1
	FF	0	0	0	1	1	1	1	0	0	0	1
<i>P</i> <sub>2</sub>	f	0	1	0	1	1	1	1	0	0	1	0
	gg	0	0	0	1	1	1	1	0	0	0	1
<i>P</i> <sub>3</sub>	FF	1	1	0	0	0	0	0	1	1	0	0
	f	1	1	0	0	0	0	0	1	1	0	0
	g	1	1	0	0	0	0	0	1	0	0	1





	Fault L	ist Prop	baga	ntion F	Rules	
-	Gate	input	S	Output	Output fault list	
	type	а	b	С	L <sub>c</sub>	
		0	0	0	$[L_a \cap L_b] \cup C_1$	
		0	1	0	$[L_a \cap L_b'] \cup C_1$	
	AND	1	0	0	$[L_a' \cap L_b] \cup C_1$	
		1	1	1	$[L_a \cup L_b] \cup C_0$	
		0	0	0	$[L_a \cup L_b] \cup C_1$	
		0	1	1	$[L_a' \cap L_b] \cup C_0$	
	UK	1	0	1	$[L_a \cap L_b'] \cup C_0$	
		1	1	1	$[L_a \cap L_b] \cup C_0$	
	NOT	0	-	1	$L_a \cup c_0$	
		1	-	0	$L_a \cup c_1$	
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