

EE 6250 VLSI Testing Homework#1

資工系碩士班一年級 趙奕誠/ Yi-Cheng,Chao/105062600 2016.11.10

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Yi-Cheng, Chao November 10, 2016

Answer

(a)

x1	x2	х3	Z	
0	0	0	0	
0	0	0 1		
0	1	0	0	
0	1	1	1	
1	0	0	0	
1	0	1	0	
1	1	0	0	
1	1	1	1	

(b)

Fault	a-sa-0	a-sa-1	b-sa-0	b-sa-1	z-sa-0	z-sa-1
# Test Pattern	0	2	4	2	2	6

(c)

Fault	y1	y2	a	b	Z
Fault List	{x2/0,y1/0}	{x2/0,y2/0}	{x2/0,y1/0,a/1}	{x2/0,x3/0,y2/0,b/1}	{x2/0,x3/0,y1/0,y2/0,a/1,b/1,z/0}

Source Code (Environment: Visual Studio 2015)

Execution Result

