呂彥旻

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一、 實驗名稱

DFT Concept and TetraMax

 \equiv 1. What was the test coverage reported?

A: 98.06%

Uncollapsed Stuck Fault Summary Report

fault class	code	#faults
Detected	DT	3483
Possibly detected	PT	0
Undetectable	UD	106
ATPG untestable	AU	37
Not detected	ND	32
total faults		3658
test coverage		98.06%

Information: The test coverage above may be inferior than the real test coverage with customized protocol and test simulation library.

2. How many scan chains dis you get?

A: 76

3. How many flip-flops are in each chain?

A: 75

```
num2_reg[1]
num2_reg[2]
               num2_reg[1]
num2_reg[2]
odd1_wr_reg
odd2_wr_reg
odd3_wr_reg
odd4_wr_reg
oem_addr_reg[0]
oem_addr_reg[1]
oem_addr_reg[3]
oem_addr_reg[4]
oem_dataout_reg[0]
oem_dataout_reg[1]
oem_dataout_reg[2]
oem_dataout_reg[5]
oem_dataout_reg[6]
oem_dataout_reg[6]
oem_dataout_reg[7]
oem_dataout_reg[6]
oem_dataout_reg[6]
oem_dataout_reg[6]
oem_dataout_reg[7]
oem_finish_reg
row_reg[0]
so_data_reg
55
56
57
58
59
60
61
62
63
64
65
66
68
69
71
72
                                    so_data_reg
74
                                       so_valid_reg
```

4. How many patterns needed?

A: 125

5. What is the total fault count?

A: 3658

6. What is the fault coverage?

A: 95.22%

Uncollapsed Stuck Fault Summary Report

fault class	code	"
Detected	DT	3483
$detected_by_simulation$	DS	(2944)
detected_by_implication	DI	(539)
Possibly detected	PT	0
Undetectable	UD	106
undetectable-redundant	UR	(106)
ATPG untestable	AU	37
$atpg_untestable-not_detected$	AN	(37)
Not detected	ND	32
not-observed	NO	(32)
total faults		3658
test coverage		98.06%
fault coverage		95.22%
Pattern Summary Repo	rt	
#internal patterns		125
#basic_scan patterns		125

三、心得

這是我第一次寫寫這個程式,其中有許多我不知道的東西需要去學習的,像裡面的指令我都還不太清楚他們的使用方式,經過這次的作業讓我學習到了如何使用他們。