

Chapter 5: Fault Injections

Faults Injected

1. in util.c: round_to_next_multiple_of: 'number += divisor - 1' changed to 'number = divisor - 1'
2. in util.c: round_to_power_of_2: values of variable 'low' and 'lg2'
3. in address.c: addr_mask_get_bits: 'if(mask=0)' changed to 'if (mask=1)'
4. in address.c: addr_mask_get_bits: 'if (mask=0xFFFFFFFFu)' changed to 'if (mask == 0xFFFFFFFFu)'
5. in address.c: addr_mask_get_bits: 'for (i=1; i<=32; ++i)' changed to 'for (i = 1; i<=32; i+=2)'

Results of Faulted Tests

Test Case #	Result
1	Pass
2	Pass
3	Fail
4	Fail
5	Fail
6	Pass
7	Fail
8	Fail
9	Pass
10	Fail
11	Pass
12	Pass
13	Pass
14	Pass
15	Pass
16	Fail
17	Fail
18	Pass
19	Fail
20	Fail
21	Fail
22	Fail
23	Fail
24	Pass
25	Fail

