

```

1  #!/usr/local/bin/perl5 -w
2
3  $input = 'chaintest.scan';
4  $output= "OUT.out";
5
6  open (INFILE,$input)||die "cannot open $input";
7  open(OUTFILE,">$output")||die "canoot\n";
8
9  #####
10 $/= " ";
11 $ct_scanout = 0;
12
13 while (<INFILE>) {
14     chomp;
15     last if /^SCAN_CELLS/;
16     $seen_CHAIN_TEST=1 if /CHAIN_TEST/;
17     next unless /apply/ && $seen_CHAIN_TEST;
18     die "Missing ';' in 'apply' line" if /apply[^\;]*\n/;
19
20     $ct_scanout = 1 if /apply\s*"grp[0-9]_unload"/;
21     next unless /\t*chain\s+"chain([0-9])"/;
22     $chain[$1] = cleanup($_);
23     &printout if $1 == 7;
24 }
25
26 sub printout {
27     if ($ct_scanout ) {
28         for ($i=0;$i<@{$chain[3]};$i++){
29             for (@chain) {
30                 next unless defined;
31                 $_->[$i] =~ s/0/L/g;
32                 $_->[$i] =~ s/1/H/g;
33             }
34             my @chars = map $_->[$i], @chain;
35             print OUTFILE "\n(ct_so\n", join("", @chars), "\n )";
36         }
37         $ct_scanout=0;
38     } elsif ($ct_scanout==0) {
39         for ($i=0;$i<@{$chain[3]};$i++) {
40             for (@chain) {
41                 next unless defined;
42                 $_->[$i] =~ s/X/0/g;
43             }
44             my @chars = map $_->[$i], @chain;
45             print OUTFILE "\n(ct_si  $ct_si{tdi}\n", join("", @chars), "\n )";
46         }
47     }
48 }
49
50 sub cleanup {
51     local $_ = shift;
52     s/.*=//s;
53     tr/01X//cd;
54     return [ split // ]
55 }
56

```