```
Simulation performed for #gates = 3482  #faults = 5552
system mode = analysis    pattern source = internal patterns
-------------------------------------------------------------------------------
#patterns   test       #faults  #faults   # eff.    # test           process      RE/AU/AAB
simulated   coverage   in list  detected  patterns  patterns         CPU time
deterministic ATPG invoked with comb/seq abort limit = 300/100
---         ------     ---      ---       ---       ---              0.82 sec     20/0/2
64          85.26%     908      4624      61        61               0.87 sec
---         ------     ---      ---       ---       ---              1.44 sec     81/4/56
128         95.35%     280      563       51        112              1.44 sec
---         ------     ---      ---       ---       ---              1.79 sec     117/10/76
192         98.53%     79       159       49        161              1.79 sec
---         ------     ---      ---       ---       ---              1.79 sec     117/10/76
242         99.65%     11       68        38        199              1.79 sec
-------------------------------------------------------------------------------
Performing redundant fault identification for 11 faults
-------------------------------------------------------------------------------
deterministic ATPG invoked with abort limit = 300
# red.     # non-red.   # abort    # remn.    progress    test        process
faults     faults       faults     faults                 coverage    CPU time
    2          0            9          0      100.00%      99.69%       0.09 sec
```

```
                Statistics Report
                Stuck-at Faults
    ------------------------------------------
    Fault Classes                     #faults
                                      (total)
    -------------------------       ------------
      FU (full)                         6218
    -------------------------       ------------
      UO (unobserved)              9 ( 0.14%)
      DS (det_simulation)       5414 (87.07%)
      DI (det_implication)       630 (10.13%)
      UU (unused)                 36 ( 0.58%)
      RE (redundant)             119 ( 1.91%)
      AU (atpg_untestable)        10 ( 0.16%)
    ------------------------------------------
    Fault Sub-classes
    -------------------------
      UC+UO
        AAB    (atpg_abort)        9 ( 0.14%)
    ------------------------------------------
    Coverage
    -------------------------
      test_coverage                   99.69%
      fault_coverage                  97.20%
      atpg_effectiveness              99.86%
    ------------------------------------------
    #test_patterns                      199
    #simulated_patterns                 242
    CPU_time (secs)                     3.6
    ------------------------------------------
```

DC+TS

```
-----------------------------------------------------------------------
#patterns   test        #faults  #faults   # eff.     # test        process      RE/AU/AAB
simulated   coverage    in list  detected  patterns   patterns      CPU time
deterministic ATPG invoked with comb/seq abort limit = 300/100
  ---       ------      ---      ---       ---        ---           0.75 sec     11/0/21
   64       86.91%      787      4686       60         60           0.80 sec
  ---       ------      ---      ---       ---        ---           1.21 sec     66/0/79
  128       96.14%      230      502        56        116           1.21 sec
  ---       ------      ---      ---       ---        ---           1.37 sec     100/0/93
  192       98.97%       61      135        55        171           1.37 sec
  ---       ------      ---      ---       ---        ---           1.37 sec     100/0/93
  226       99.85%        9       52        30        201           1.37 sec
-----------------------------------------------------------------------
Performing redundant fault identification for 9 faults
-----------------------------------------------------------------------
deterministic ATPG invoked with abort limit = 300
# red.     # non-red.   # abort    # remn.    progress   test          process
faults     faults       faults     faults                coverage      CPU time
   0           2           7          0      100.00%     99.85%         0.05 sec
```

```
------------------------------------------
Fault Classes                  #faults
                               (total)
------------------------------------------
  FU (full)                      6024
------------------------------------------
  UO (unobserved)                  9 ( 0.15%)
  DS (det_simulation)           5375 (89.23%)
  DI (det_implication)           540 ( 8.96%)
  RE (redundant)                 100 ( 1.66%)
------------------------------------------
Fault Sub-classes
------------------------------------------
  UC+UO
    AAB   (atpg_abort)            9 ( 0.15%)
------------------------------------------
Coverage
------------------------------------------
  test_coverage                 99.85%
  fault_coverage                98.19%
  atpg_effectiveness            99.85%
------------------------------------------
#test_patterns                   201
#simulated_patterns              226
CPU_time (secs)                  2.6
------------------------------------------
```

Flow	#Faults	Test Coverage	#Patterns	Run time
DC+TMAX	4419	99.29%	151	0.28s
TS	6218	99.69%	199	3.6s
DC+TS	6024	99.85%	201	2.6s