```
Parsing included file '/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/reg/sequences/uvm_mem_acce
Back to file '/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/reg/uvm_reg_model.svh'.
Parsing included file '/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/reg/sequences/uvm_reg_acce
Back to file '/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/reg/uvm_reg_model.svh'.
Parsing included file '/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/reg/sequences/uvm_reg_mem_
Back to file '/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/reg/uvm_reg_model.svh'.
Parsing included file '/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/reg/sequences/uvm_reg_mem_
Back to file '/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/reg/uvm_reg_model.svh'.
Parsing included file '/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/reg/sequences/uvm_reg_mem_
Back to file '/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/reg/uvm_reg_model.svh'.
Parsing included file '/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/reg/snps_uvm_reg_bank.svh'
Back to file '/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/reg/uvm_reg_model.svh'.
Back to file '/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/uvm_pkg.sv'.
Parsing included file '/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/vcs/vcs_uvm_alt.sv'.
Back to file '/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/uvm_pkg.sv'.
Back to file '/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/uvm.sv'.
Parsing included file '/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/vcs/snps_reg.svh'.
Back to file '/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/uvm.sv'.
Parsing design file 'design.sv'
Parsing design file 'testbench.sv'
Parsing included file '/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/uvm_macros.svh'.
Back to file 'testbench.sv'.

Note-[SV-LCM-PPWI] Package previously wildcard imported
testbench.sv, 2
$unit
  Package 'uvm_pkg' already wildcard imported.
  Ignoring uvm_pkg::*
  See the SystemVerilog LRM(1800-2005), section 19.2.1.

Parsing included file 'interface.sv'.
Back to file 'testbench.sv'.
Parsing included file 'package.sv'.
Parsing included file 'seqeunce_item.sv'.
Back to file 'package.sv'.
Parsing included file 'spr_base_sequec.sv'.
Back to file 'package.sv'.
Parsing included file 'base_sequ2.sv'.
Back to file 'package.sv'.
Parsing included file 'spr_sequencer.sv'.
Back to file 'package.sv'.
Parsing included file 'spr_driver.sv'.
Back to file 'package.sv'.
Parsing included file 'main_monitor.sv'.
Parsing included file 'input_mon.sv'.
Back to file 'main_monitor.sv'.
Parsing included file 'output_mon.sv'.
Back to file 'main_monitor.sv'.
Back to file 'package.sv'.
Parsing included file 'spr_agent.sv'.
Back to file 'package.sv'.
Parsing included file 'spr_scbd.sv'.
Back to file 'package.sv'.
Parsing included file 'spr_env.sv'.
Back to file 'package.sv'.
Parsing included file 'spr_test.sv'.
```

```
Back to file 'package.sv'.
Parsing included file 'base_test2.sv'.
Back to file 'package.sv'.
Back to file 'testbench.sv'.
Top Level Modules:
        tb_top
TimeScale is 1 ns / 1 ns

Warning-[SV-ICHU] Illegal class handle usage
/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/vcs/snps_reg.svh, 180
$unit
  Illegal '!' operator on class handle 'rg'.
  As per LRM(P1800-2009), section 8.4. only ==, !=, ===, !== and conditional
  operator are allowed operators on class handles.
  Source Expression: (!rg)


Warning-[SV-ICHU] Illegal class handle usage
/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/vcs/snps_reg.svh, 247
$unit
  Illegal '!' operator on class handle 'rg'.
  As per LRM(P1800-2009), section 8.4. only ==, !=, ===, !== and conditional
  operator are allowed operators on class handles.
  Source Expression: (!rg)


Warning-[SV-ICHU] Illegal class handle usage
/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/vcs/snps_reg.svh, 165
$unit
  Illegal '!' operator on class handle 'this.m_use_map'.
  As per LRM(P1800-2009), section 8.4. only ==, !=, ===, !== and conditional
  operator are allowed operators on class handles.
  Source Expression: (!this.m_use_map)


Warning-[SV-ICHU] Illegal class handle usage
/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/vcs/snps_reg.svh, 167
$unit
  Illegal '!' operator on class handle 'rg'.
  As per LRM(P1800-2009), section 8.4. only ==, !=, ===, !== and conditional
  operator are allowed operators on class handles.
  Source Expression: (!rg)



Warning-[INTFDV] VCD dumping of interface/program/package
testbench.sv, 44
  Selective VCD dumping of interface 'intf' is not supported.  Selective VCD
  dumping for interfaces, packages and programs is not supported.
  Use full VCD dumping '$dumpvars(0)', or use VPD or FSDB dumping, recompile
  with '-debug_access'.

Starting vcs inline pass...

6 modules and 0 UDP read.
recompiling package vcs_paramclassrepository
recompiling package _vcs_DPI_package
```

```
recompiling package uvm_pkg
recompiling module sp_ram
recompiling module intf
recompiling module tb_top
All of 6 modules done
rm -f _cuarc*.so _csrc*.so pre_vcsobj_*.so share_vcsobj_*.so
g++ -w  -pipe -fPIC -DVCS -O -I/apps/vcsmx/vcs/U-2023.03-SP2/include     -c /apps/vcsmx/vcs/U-202
gcc  -w  -pipe -fPIC -DVCS -O -I/apps/vcsmx/vcs/U-2023.03-SP2/include     -fPIC -c -o uM9F1_0x2aE
if [ -x ../simv ]; then chmod a-x ../simv; fi
g++  -o ../simv       -rdynamic  -Wl,-rpath='$ORIGIN'/simv.daidir -Wl,-rpath=./simv.daidir -Wl,-r
../simv up to date
CPU time: 16.931 seconds to compile + .649 seconds to elab + .855 seconds to link
Chronologic VCS simulator copyright 1991-2023
Contains Synopsys proprietary information.
Compiler version U-2023.03-SP2_Full64; Runtime version U-2023.03-SP2_Full64;  Sep 10 02:53 2025
UVM_INFO /apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/base/uvm_root.svh(402) @ 0: reporter [UV
----------------------------------------------------------------
UVM-1.2.Synopsys
(C) 2007-2014 Mentor Graphics Corporation
(C) 2007-2014 Cadence Design Systems, Inc.
(C) 2006-2014 Synopsys, Inc.
(C) 2011-2013 Cypress Semiconductor Corp.
(C) 2013-2014 NVIDIA Corporation
----------------------------------------------------------------

  ***********         IMPORTANT RELEASE NOTES         ************

  You are using a version of the UVM library that has been compiled
  with `UVM_NO_DEPRECATED undefined.
  See http://www.eda.org/svdb/view.php?id=3313 for more details.

  You are using a version of the UVM library that has been compiled
  with `UVM_OBJECT_DO_NOT_NEED_CONSTRUCTOR undefined.
  See http://www.eda.org/svdb/view.php?id=3770 for more details.

     (Specify +UVM_NO_RELNOTES to turn off this notice)

UVM_INFO @ 0: reporter [RNTST] Running test base_test...
UVM_INFO spr_test.sv(22) @ 0: uvm_test_top [TOPOLOGY] Printing UVM component topology at end_of_
UVM_INFO /apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/base/uvm_root.svh(589) @ 0: reporter [UV
----------------------------------------------------------------
Name                       Type                 Size   Value
----------------------------------------------------------------
uvm_test_top               base_test            -      @341
  env_o                    env                  -      @354
    agt                    agent                -      @363
      dvr                  driver               -      @392
        rsp_port           uvm_analysis_port    -      @411
        seq_item_port      uvm_seq_item_pull_port  -   @401
      mon                  main_monitor         -      @558
        in_mon             input_monitor        -      @568
          item_collected_port  uvm_analysis_port  -    @577
        in_mon_export      uvm_analysis_imp     -      @616
        item_collected_port  uvm_analysis_port  -      @606
        out_mon            output_monitor       -      @587
          data_out_port    uvm_analysis_port    -      @596
```

```
              out_mon_export           uvm_analysis_imp_out     -      @626
          seqr                          sequencer                -      @421
            rsp_export                  uvm_analysis_export      -      @430
            seq_item_export             uvm_seq_item_pull_imp    -      @548
            arbitration_queue           array                    0      -
            lock_queue                  array                    0      -
            num_last_reqs               integral                 32     'd1
            num_last_rsps               integral                 32     'd1
        sb                              scoreboard               -      @372
          item_collect_export           uvm_analysis_imp         -      @381
    ----------------------------------------------------------------
```

UVM_INFO spr_base_sequec.sv(10) @ 0: uvm_test_top.env_o.agt.seqr@@bseq [base_seq] sequence start
UVM_INFO spr_driver.sv(24) @ 20: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=1, data_in=83
UVM_INFO spr_driver.sv(24) @ 25: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=15, data_in=1
UVM_INFO main_monitor.sv(62) @ 35: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Stit

```
Name         Type       Size  Value
----------------------------------
item         seq_item   -     @708
  wren       integral   1     'h0
  addrs      integral   4     'h0
  data_in    integral   8     'h0
  data_out   integral   8     'h0
----------------------------------


-------------------------------35
----------------------------------
Name         Type       Size  Value
----------------------------------
item         seq_item   -     @708
  wren       integral   1     'h0
  addrs      integral   4     'h0
  data_in    integral   8     'h0
  data_out   integral   8     'h0
----------------------------------
```

UVM_INFO spr_scbd.sv(43) @ 35: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,n
UVM_INFO spr_driver.sv(24) @ 35: uvm_test_top.env_o.agt.dvr [driver] wren=1, addrs=11, data_in=2
UVM_INFO main_monitor.sv(62) @ 45: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Stit

```
Name         Type       Size  Value
----------------------------------
item         seq_item   -     @719
  wren       integral   1     'h0
  addrs      integral   4     'h1
  data_in    integral   8     'h0
  data_out   integral   8     'h0
----------------------------------


-------------------------------45
----------------------------------
Name         Type       Size  Value
----------------------------------
item         seq_item   -     @719
  wren       integral   1     'h0
  addrs      integral   4     'h1
  data_in    integral   8     'h0
  data_out   integral   8     'h0
```

```
--------------------------------
UVM_INFO spr_scbd.sv(43) @ 45: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,n
UVM_INFO spr_driver.sv(24) @ 45: uvm_test_top.env_o.agt.dvr [driver] wren=1, addrs=7, data_in=38
UVM_INFO main_monitor.sv(48) @ 55: uvm_test_top.env_o.agt.mon [main_monitor] write() called: wre
--------------------------------55
--------------------------------
Name         Type        Size   Value
--------------------------------
item         seq_item    -      @747
  wren       integral    1      'h1
  addrs      integral    4      'hb
  data_in    integral    8      'he8
  data_out   integral    8      'h0
--------------------------------
UVM_INFO spr_scbd.sv(38) @ 55: uvm_test_top.env_o.sb [scoreboard] write: addrs=11, data_in=232,
UVM_INFO spr_driver.sv(24) @ 55: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=13, data_in=1
UVM_INFO main_monitor.sv(48) @ 65: uvm_test_top.env_o.agt.mon [main_monitor] write() called: wre
--------------------------------65
--------------------------------
Name         Type        Size   Value
--------------------------------
item         seq_item    -      @761
  wren       integral    1      'h1
  addrs      integral    4      'h7
  data_in    integral    8      'h26
  data_out   integral    8      'h0
--------------------------------
UVM_INFO spr_scbd.sv(38) @ 65: uvm_test_top.env_o.sb [scoreboard] write: addrs=7, data_in=38, wr
UVM_INFO spr_driver.sv(24) @ 65: uvm_test_top.env_o.agt.dvr [driver] wren=1, addrs=11, data_in=1
UVM_INFO main_monitor.sv(62) @ 75: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Stit
Name         Type        Size   Value
--------------------------------
item         seq_item    -      @733
  wren       integral    1      'h0
  addrs      integral    4      'hf
  data_in    integral    8      'h0
  data_out   integral    8      'h0
--------------------------------

--------------------------------75
--------------------------------
Name         Type        Size   Value
--------------------------------
item         seq_item    -      @733
  wren       integral    1      'h0
  addrs      integral    4      'hf
  data_in    integral    8      'h0
  data_out   integral    8      'h0
--------------------------------
UVM_INFO spr_scbd.sv(43) @ 75: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,n
UVM_INFO spr_driver.sv(24) @ 75: uvm_test_top.env_o.agt.dvr [driver] wren=1, addrs=4, data_in=15
UVM_INFO main_monitor.sv(48) @ 85: uvm_test_top.env_o.agt.mon [main_monitor] write() called: wre
--------------------------------85
--------------------------------
Name         Type        Size   Value
--------------------------------
```

```
item        seq_item  -      @789
  wren      integral  1      'h1
  addrs     integral  4      'hb
  data_in   integral  8      'hbc
  data_out  integral  8      'h0
-------------------------------
UVM_INFO spr_scbd.sv(38) @ 85: uvm_test_top.env_o.sb [scoreboard] write: addrs=11, data_in=188,
UVM_INFO spr_driver.sv(24) @ 85: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=15, data_in=1
UVM_INFO main_monitor.sv(48) @ 95: uvm_test_top.env_o.agt.mon [main_monitor] write() called: wre
-------------------------------95
-------------------------------
Name        Type      Size   Value
-------------------------------
item        seq_item  -      @803
  wren      integral  1      'h1
  addrs     integral  4      'h4
  data_in   integral  8      'h9a
  data_out  integral  8      'h0
-------------------------------
UVM_INFO spr_scbd.sv(38) @ 95: uvm_test_top.env_o.sb [scoreboard] write: addrs=4, data_in=154, w
UVM_INFO spr_driver.sv(24) @ 95: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=10, data_in=1
UVM_INFO main_monitor.sv(62) @ 105: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
Name        Type      Size   Value
-------------------------------
item        seq_item  -      @775
  wren      integral  1      'h0
  addrs     integral  4      'hd
  data_in   integral  8      'h0
  data_out  integral  8      'h0
-------------------------------


-------------------------------105
-------------------------------
Name        Type      Size   Value
-------------------------------
item        seq_item  -      @775
  wren      integral  1      'h0
  addrs     integral  4      'hd
  data_in   integral  8      'h0
  data_out  integral  8      'h0
-------------------------------
UVM_INFO spr_scbd.sv(43) @ 105: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,
UVM_INFO spr_driver.sv(24) @ 105: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=8, data_in=7
UVM_INFO main_monitor.sv(62) @ 115: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
Name        Type      Size   Value
-------------------------------
item        seq_item  -      @817
  wren      integral  1      'h0
  addrs     integral  4      'hf
  data_in   integral  8      'h0
  data_out  integral  8      'h0
-------------------------------


-------------------------------115
-------------------------------
Name        Type      Size   Value
```

```
----------------------------------
item        seq_item   -     @817
  wren      integral   1     'h0
  addrs     integral   4     'hf
  data_in   integral   8     'h0
  data_out  integral   8     'h0
----------------------------------
UVM_INFO spr_scbd.sv(43) @ 115: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,
UVM_INFO spr_driver.sv(24) @ 115: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=8, data_in=1
UVM_INFO main_monitor.sv(62) @ 125: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
Name        Type       Size  Value
----------------------------------
item        seq_item   -     @831
  wren      integral   1     'h0
  addrs     integral   4     'ha
  data_in   integral   8     'h0
  data_out  integral   8     'h0
----------------------------------


--------------------------------125
----------------------------------
Name        Type       Size  Value
----------------------------------
item        seq_item   -     @831
  wren      integral   1     'h0
  addrs     integral   4     'ha
  data_in   integral   8     'h0
  data_out  integral   8     'h0
----------------------------------
UVM_INFO spr_scbd.sv(43) @ 125: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,
UVM_INFO spr_driver.sv(24) @ 125: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=5, data_in=1
UVM_INFO main_monitor.sv(62) @ 135: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
Name        Type       Size  Value
----------------------------------
item        seq_item   -     @845
  wren      integral   1     'h0
  addrs     integral   4     'h8
  data_in   integral   8     'h0
  data_out  integral   8     'h0
----------------------------------


--------------------------------135
----------------------------------
Name        Type       Size  Value
----------------------------------
item        seq_item   -     @845
  wren      integral   1     'h0
  addrs     integral   4     'h8
  data_in   integral   8     'h0
  data_out  integral   8     'h0
----------------------------------
UVM_INFO spr_scbd.sv(43) @ 135: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,
UVM_INFO spr_driver.sv(24) @ 135: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=8, data_in=1
UVM_INFO main_monitor.sv(62) @ 145: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
Name        Type       Size  Value
----------------------------------
```

```
item        seq_item   -      @859
  wren      integral   1      'h0
  addrs     integral   4      'h8
  data_in   integral   8      'h0
  data_out  integral   8      'h0
--------------------------------


--------------------------------145
--------------------------------
Name        Type       Size   Value
--------------------------------
item        seq_item   -      @859
  wren      integral   1      'h0
  addrs     integral   4      'h8
  data_in   integral   8      'h0
  data_out  integral   8      'h0
--------------------------------
UVM_INFO spr_scbd.sv(43) @ 145: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,
UVM_INFO spr_driver.sv(24) @ 145: uvm_test_top.env_o.agt.dvr [driver] wren=1, addrs=9, data_in=1
UVM_INFO main_monitor.sv(62) @ 155: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
Name        Type       Size   Value
--------------------------------
item        seq_item   -      @873
  wren      integral   1      'h0
  addrs     integral   4      'h5
  data_in   integral   8      'h0
  data_out  integral   8      'h0
--------------------------------


--------------------------------155
--------------------------------
Name        Type       Size   Value
--------------------------------
item        seq_item   -      @873
  wren      integral   1      'h0
  addrs     integral   4      'h5
  data_in   integral   8      'h0
  data_out  integral   8      'h0
--------------------------------
UVM_INFO spr_scbd.sv(43) @ 155: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,
UVM_INFO spr_driver.sv(24) @ 155: uvm_test_top.env_o.agt.dvr [driver] wren=1, addrs=15, data_in=
UVM_INFO main_monitor.sv(48) @ 165: uvm_test_top.env_o.agt.mon [main_monitor] write() called: wr
--------------------------------165
--------------------------------
Name        Type       Size   Value
--------------------------------
item        seq_item   -      @901
  wren      integral   1      'h1
  addrs     integral   4      'h9
  data_in   integral   8      'h7e
  data_out  integral   8      'h0
--------------------------------
UVM_INFO spr_scbd.sv(38) @ 165: uvm_test_top.env_o.sb [scoreboard] write: addrs=9, data_in=126,
UVM_INFO spr_driver.sv(24) @ 165: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=12, data_in=
UVM_INFO main_monitor.sv(48) @ 175: uvm_test_top.env_o.agt.mon [main_monitor] write() called: wr
--------------------------------175
```

```
--------------------------------
Name       Type       Size  Value
--------------------------------
item       seq_item   -     @915
  wren     integral   1     'h1
  addrs    integral   4     'hf
  data_in  integral   8     'h66
  data_out integral   8     'h0
--------------------------------
UVM_INFO spr_scbd.sv(38) @ 175: uvm_test_top.env_o.sb [scoreboard] write: addrs=15, data_in=102,
UVM_INFO spr_driver.sv(24) @ 175: uvm_test_top.env_o.agt.dvr [driver] wren=1, addrs=15, data_in=
UVM_INFO main_monitor.sv(62) @ 185: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
Name       Type       Size  Value
--------------------------------
item       seq_item   -     @887
  wren     integral   1     'h0
  addrs    integral   4     'h8
  data_in  integral   8     'h0
  data_out integral   8     'h0
--------------------------------

--------------------------------185
--------------------------------
Name       Type       Size  Value
--------------------------------
item       seq_item   -     @887
  wren     integral   1     'h0
  addrs    integral   4     'h8
  data_in  integral   8     'h0
  data_out integral   8     'h0
--------------------------------
UVM_INFO spr_scbd.sv(43) @ 185: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,
UVM_INFO spr_driver.sv(24) @ 185: uvm_test_top.env_o.agt.dvr [driver] wren=1, addrs=9, data_in=2
UVM_INFO main_monitor.sv(48) @ 195: uvm_test_top.env_o.agt.mon [main_monitor] write() called: wr
--------------------------------195
--------------------------------
Name       Type       Size  Value
--------------------------------
item       seq_item   -     @943
  wren     integral   1     'h1
  addrs    integral   4     'hf
  data_in  integral   8     'hb4
  data_out integral   8     'h0
--------------------------------
UVM_INFO spr_scbd.sv(38) @ 195: uvm_test_top.env_o.sb [scoreboard] write: addrs=15, data_in=180,
UVM_INFO spr_driver.sv(24) @ 195: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=10, data_in=
UVM_INFO main_monitor.sv(48) @ 205: uvm_test_top.env_o.agt.mon [main_monitor] write() called: wr
--------------------------------205
--------------------------------
Name       Type       Size  Value
--------------------------------
item       seq_item   -     @957
  wren     integral   1     'h1
  addrs    integral   4     'h9
  data_in  integral   8     'he0
  data_out integral   8     'h0
```

```
--------------------------------
UVM_INFO spr_scbd.sv(38) @ 205: uvm_test_top.env_o.sb [scoreboard] write: addrs=9, data_in=224,
UVM_INFO spr_driver.sv(24) @ 205: uvm_test_top.env_o.agt.dvr [driver] wren=1, addrs=12, data_in=
UVM_INFO main_monitor.sv(62) @ 215: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
Name        Type      Size   Value
--------------------------------
item        seq_item   -     @929
  wren      integral   1     'h0
  addrs     integral   4     'hc
  data_in   integral   8     'h0
  data_out  integral   8     'h0
--------------------------------


-------------------------------215
--------------------------------
Name        Type      Size   Value
--------------------------------
item        seq_item   -     @929
  wren      integral   1     'h0
  addrs     integral   4     'hc
  data_in   integral   8     'h0
  data_out  integral   8     'h0
--------------------------------
UVM_INFO spr_scbd.sv(43) @ 215: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,
UVM_INFO spr_driver.sv(24) @ 215: uvm_test_top.env_o.agt.dvr [driver] wren=1, addrs=14, data_in=
UVM_INFO main_monitor.sv(48) @ 225: uvm_test_top.env_o.agt.mon [main_monitor] write() called: wr
-------------------------------225
--------------------------------
Name        Type      Size   Value
--------------------------------
item        seq_item   -     @985
  wren      integral   1     'h1
  addrs     integral   4     'hc
  data_in   integral   8     'h69
  data_out  integral   8     'h0
--------------------------------
UVM_INFO spr_scbd.sv(38) @ 225: uvm_test_top.env_o.sb [scoreboard] write: addrs=12, data_in=105,
UVM_INFO spr_driver.sv(24) @ 225: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=12, data_in=
UVM_INFO main_monitor.sv(48) @ 235: uvm_test_top.env_o.agt.mon [main_monitor] write() called: wr
-------------------------------235
--------------------------------
Name        Type      Size   Value
--------------------------------
item        seq_item   -     @999
  wren      integral   1     'h1
  addrs     integral   4     'he
  data_in   integral   8     'h1b
  data_out  integral   8     'h0
--------------------------------
UVM_INFO spr_scbd.sv(38) @ 235: uvm_test_top.env_o.sb [scoreboard] write: addrs=14, data_in=27,
UVM_INFO spr_driver.sv(24) @ 235: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=1, data_in=2
UVM_INFO main_monitor.sv(62) @ 245: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
Name        Type      Size   Value
--------------------------------
item        seq_item   -     @971
  wren      integral   1     'h0
```

```
   addrs     integral  4     'ha
   data_in   integral  8     'h0
   data_out  integral  8     'h0
-------------------------------


------------------------------245
-------------------------------
Name        Type      Size  Value
-------------------------------
item        seq_item  -     @971
  wren      integral  1     'h0
  addrs     integral  4     'ha
  data_in   integral  8     'h0
  data_out  integral  8     'h0
-------------------------------
UVM_INFO spr_scbd.sv(43) @ 245: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,
UVM_INFO spr_driver.sv(24) @ 245: uvm_test_top.env_o.agt.dvr [driver] wren=1, addrs=6, data_in=1
UVM_INFO main_monitor.sv(62) @ 255: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
Name        Type      Size  Value
-------------------------------
item        seq_item  -     @1013
  wren      integral  1     'h0
  addrs     integral  4     'hc
  data_in   integral  8     'h0
  data_out  integral  8     'h69
-------------------------------


------------------------------255
-------------------------------
Name        Type      Size  Value
-------------------------------
item        seq_item  -     @1013
  wren      integral  1     'h0
  addrs     integral  4     'hc
  data_in   integral  8     'h0
  data_out  integral  8     'h69
-------------------------------
UVM_INFO spr_scbd.sv(43) @ 255: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,
UVM_INFO spr_driver.sv(24) @ 255: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=10, data_in=
UVM_INFO main_monitor.sv(48) @ 265: uvm_test_top.env_o.agt.mon [main_monitor] write() called: wr
------------------------------265
-------------------------------
Name        Type      Size  Value
-------------------------------
item        seq_item  -     @1041
  wren      integral  1     'h1
  addrs     integral  4     'h6
  data_in   integral  8     'h97
  data_out  integral  8     'h0
-------------------------------
UVM_INFO spr_scbd.sv(38) @ 265: uvm_test_top.env_o.sb [scoreboard] write: addrs=6, data_in=151,
UVM_INFO spr_driver.sv(24) @ 265: uvm_test_top.env_o.agt.dvr [driver] wren=1, addrs=11, data_in=
UVM_INFO main_monitor.sv(62) @ 275: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
Name        Type      Size  Value
-------------------------------
item        seq_item  -     @1027
```

```
  wren      integral  1     'h0
  addrs     integral  4     'h1
  data_in   integral  8     'h0
  data_out  integral  8     'h0
--------------------------------


--------------------------------275
--------------------------------
Name        Type      Size  Value
--------------------------------
item        seq_item  -     @1027
  wren      integral  1     'h0
  addrs     integral  4     'h1
  data_in   integral  8     'h0
  data_out  integral  8     'h0
--------------------------------
UVM_INFO spr_scbd.sv(43) @ 275: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,
UVM_INFO spr_driver.sv(24) @ 275: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=15, data_in=
UVM_INFO main_monitor.sv(48) @ 285: uvm_test_top.env_o.agt.mon [main_monitor] write() called: wr
--------------------------------285
--------------------------------
Name        Type      Size  Value
--------------------------------
item        seq_item  -     @1069
  wren      integral  1     'h1
  addrs     integral  4     'hb
  data_in   integral  8     'hef
  data_out  integral  8     'h0
--------------------------------
UVM_INFO spr_scbd.sv(38) @ 285: uvm_test_top.env_o.sb [scoreboard] write: addrs=11, data_in=239,
UVM_INFO spr_driver.sv(24) @ 285: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=12, data_in=
UVM_INFO main_monitor.sv(62) @ 295: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
Name        Type      Size  Value
--------------------------------
item        seq_item  -     @1055
  wren      integral  1     'h0
  addrs     integral  4     'ha
  data_in   integral  8     'h0
  data_out  integral  8     'h0
--------------------------------


--------------------------------295
--------------------------------
Name        Type      Size  Value
--------------------------------
item        seq_item  -     @1055
  wren      integral  1     'h0
  addrs     integral  4     'ha
  data_in   integral  8     'h0
  data_out  integral  8     'h0
--------------------------------
UVM_INFO spr_scbd.sv(43) @ 295: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,
UVM_INFO spr_driver.sv(24) @ 295: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=13, data_in=
UVM_INFO main_monitor.sv(62) @ 305: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
Name        Type      Size  Value
--------------------------------
```

```
item        seq_item   -     @1083
  wren      integral   1     'h0
  addrs     integral   4     'hf
  data_in   integral   8     'h0
  data_out  integral   8     'hb4
--------------------------------


--------------------------------305
--------------------------------
Name        Type       Size  Value
--------------------------------
item        seq_item   -     @1083
  wren      integral   1     'h0
  addrs     integral   4     'hf
  data_in   integral   8     'h0
  data_out  integral   8     'hb4
--------------------------------
UVM_INFO spr_scbd.sv(43) @ 305: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,
UVM_INFO spr_driver.sv(24) @ 305: uvm_test_top.env_o.agt.dvr [driver] wren=1, addrs=7, data_in=1
UVM_INFO main_monitor.sv(62) @ 315: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
Name        Type       Size  Value
--------------------------------
item        seq_item   -     @1097
  wren      integral   1     'h0
  addrs     integral   4     'hc
  data_in   integral   8     'h0
  data_out  integral   8     'h69
--------------------------------


--------------------------------315
--------------------------------
Name        Type       Size  Value
--------------------------------
item        seq_item   -     @1097
  wren      integral   1     'h0
  addrs     integral   4     'hc
  data_in   integral   8     'h0
  data_out  integral   8     'h69
--------------------------------
UVM_INFO spr_scbd.sv(43) @ 315: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,
UVM_INFO spr_driver.sv(24) @ 315: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=4, data_in=2
UVM_INFO main_monitor.sv(48) @ 325: uvm_test_top.env_o.agt.mon [main_monitor] write() called: wr
--------------------------------325
--------------------------------
Name        Type       Size  Value
--------------------------------
item        seq_item   -     @1125
  wren      integral   1     'h1
  addrs     integral   4     'h7
  data_in   integral   8     'h7f
  data_out  integral   8     'h0
--------------------------------
UVM_INFO spr_scbd.sv(38) @ 325: uvm_test_top.env_o.sb [scoreboard] write: addrs=7, data_in=127,
UVM_INFO spr_driver.sv(24) @ 325: uvm_test_top.env_o.agt.dvr [driver] wren=1, addrs=7, data_in=8
UVM_INFO main_monitor.sv(62) @ 335: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
Name        Type       Size  Value
```

```
-------------------------------
item        seq_item   -     @1111
  wren      integral   1      'h0
  addrs     integral   4      'hd
  data_in   integral   8      'h0
  data_out  integral   8      'h0
-------------------------------


-------------------------------335
-------------------------------
Name        Type       Size  Value
-------------------------------
item        seq_item   -     @1111
  wren      integral   1      'h0
  addrs     integral   4      'hd
  data_in   integral   8      'h0
  data_out  integral   8      'h0
-------------------------------
UVM_INFO spr_scbd.sv(43) @ 335: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,
UVM_INFO spr_driver.sv(24) @ 335: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=14, data_in=
UVM_INFO main_monitor.sv(48) @ 345: uvm_test_top.env_o.agt.mon [main_monitor] write() called: wr
-------------------------------345
-------------------------------
Name        Type       Size  Value
-------------------------------
item        seq_item   -     @1153
  wren      integral   1      'h1
  addrs     integral   4      'h7
  data_in   integral   8      'h53
  data_out  integral   8      'h0
-------------------------------
UVM_INFO spr_scbd.sv(38) @ 345: uvm_test_top.env_o.sb [scoreboard] write: addrs=7, data_in=83, w
UVM_INFO spr_driver.sv(24) @ 345: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=12, data_in=
UVM_INFO main_monitor.sv(62) @ 355: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
Name        Type       Size  Value
-------------------------------
item        seq_item   -     @1139
  wren      integral   1      'h0
  addrs     integral   4      'h4
  data_in   integral   8      'h0
  data_out  integral   8      'h9a
-------------------------------


-------------------------------355
-------------------------------
Name        Type       Size  Value
-------------------------------
item        seq_item   -     @1139
  wren      integral   1      'h0
  addrs     integral   4      'h4
  data_in   integral   8      'h0
  data_out  integral   8      'h9a
-------------------------------
UVM_INFO spr_scbd.sv(43) @ 355: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,
UVM_INFO spr_driver.sv(24) @ 355: uvm_test_top.env_o.agt.dvr [driver] wren=1, addrs=11, data_in=
UVM_INFO main_monitor.sv(62) @ 365: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
```

```
Name        Type       Size   Value
--------------------------------
item        seq_item    -     @1167
  wren      integral    1     'h0
  addrs     integral    4     'he
  data_in   integral    8     'h0
  data_out  integral    8     'h1b
--------------------------------


-------------------------------365
--------------------------------
Name        Type       Size   Value
--------------------------------
item        seq_item    -     @1167
  wren      integral    1     'h0
  addrs     integral    4     'he
  data_in   integral    8     'h0
  data_out  integral    8     'h1b
--------------------------------
UVM_INFO spr_scbd.sv(43) @ 365: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,
UVM_INFO spr_driver.sv(24) @ 365: uvm_test_top.env_o.agt.dvr [driver] wren=1, addrs=4, data_in=1
UVM_INFO main_monitor.sv(48) @ 375: uvm_test_top.env_o.agt.mon [main_monitor] write() called: wr
-------------------------------375
--------------------------------
Name        Type       Size   Value
--------------------------------
item        seq_item    -     @1195
  wren      integral    1     'h1
  addrs     integral    4     'hb
  data_in   integral    8     'hd3
  data_out  integral    8     'h0
--------------------------------
UVM_INFO spr_scbd.sv(38) @ 375: uvm_test_top.env_o.sb [scoreboard] write: addrs=11, data_in=211,
UVM_INFO spr_driver.sv(24) @ 375: uvm_test_top.env_o.agt.dvr [driver] wren=1, addrs=5, data_in=7
UVM_INFO main_monitor.sv(48) @ 385: uvm_test_top.env_o.agt.mon [main_monitor] write() called: wr
-------------------------------385
--------------------------------
Name        Type       Size   Value
--------------------------------
item        seq_item    -     @1209
  wren      integral    1     'h1
  addrs     integral    4     'h4
  data_in   integral    8     'h9b
  data_out  integral    8     'h0
--------------------------------
UVM_INFO spr_scbd.sv(38) @ 385: uvm_test_top.env_o.sb [scoreboard] write: addrs=4, data_in=155,
UVM_INFO spr_driver.sv(24) @ 385: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=13, data_in=
UVM_INFO main_monitor.sv(48) @ 395: uvm_test_top.env_o.agt.mon [main_monitor] write() called: wr
-------------------------------395
--------------------------------
Name        Type       Size   Value
--------------------------------
item        seq_item    -     @1223
  wren      integral    1     'h1
  addrs     integral    4     'h5
  data_in   integral    8     'h4c
```

```
   data_out   integral  8     'h0
--------------------------------
UVM_INFO spr_scbd.sv(38) @ 395: uvm_test_top.env_o.sb [scoreboard] write: addrs=5, data_in=76, w
UVM_INFO spr_driver.sv(24) @ 395: uvm_test_top.env_o.agt.dvr [driver] wren=1, addrs=13, data_in=
UVM_INFO main_monitor.sv(62) @ 405: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
Name         Type      Size  Value
--------------------------------
item         seq_item  -     @1181
  wren       integral  1     'h0
  addrs      integral  4     'hc
  data_in    integral  8     'h0
  data_out   integral  8     'h69
--------------------------------


--------------------------------405
--------------------------------
Name         Type      Size  Value
--------------------------------
item         seq_item  -     @1181
  wren       integral  1     'h0
  addrs      integral  4     'hc
  data_in    integral  8     'h0
  data_out   integral  8     'h69
--------------------------------
UVM_INFO spr_scbd.sv(43) @ 405: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,
UVM_INFO spr_driver.sv(24) @ 405: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=12, data_in=
UVM_INFO main_monitor.sv(48) @ 415: uvm_test_top.env_o.agt.mon [main_monitor] write() called: wr
--------------------------------415
--------------------------------
Name         Type      Size  Value
--------------------------------
item         seq_item  -     @1251
  wren       integral  1     'h1
  addrs      integral  4     'hd
  data_in    integral  8     'h64
  data_out   integral  8     'h0
--------------------------------
UVM_INFO spr_scbd.sv(38) @ 415: uvm_test_top.env_o.sb [scoreboard] write: addrs=13, data_in=100,
UVM_INFO spr_driver.sv(24) @ 415: uvm_test_top.env_o.agt.dvr [driver] wren=1, addrs=10, data_in=
UVM_INFO main_monitor.sv(62) @ 425: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
Name         Type      Size  Value
--------------------------------
item         seq_item  -     @1237
  wren       integral  1     'h0
  addrs      integral  4     'hd
  data_in    integral  8     'h0
  data_out   integral  8     'h0
--------------------------------


--------------------------------425
--------------------------------
Name         Type      Size  Value
--------------------------------
item         seq_item  -     @1237
  wren       integral  1     'h0
  addrs      integral  4     'hd
```

```
  data_in    integral  8     'h0
  data_out   integral  8     'h0
--------------------------------
UVM_INFO spr_scbd.sv(47) @ 425: uvm_test_top.env_o.sb [scoreboard] NOT_matched: wren=0, mem_data
UVM_INFO spr_driver.sv(24) @ 425: uvm_test_top.env_o.agt.dvr [driver] wren=1, addrs=1, data_in=1
UVM_INFO main_monitor.sv(48) @ 435: uvm_test_top.env_o.agt.mon [main_monitor] write() called: wi
--------------------------------435
--------------------------------
Name         Type       Size  Value
--------------------------------
item         seq_item   -     @1279
  wren       integral   1     'h1
  addrs      integral   4     'ha
  data_in    integral   8     'h2f
  data_out   integral   8     'h0
--------------------------------
UVM_INFO spr_scbd.sv(38) @ 435: uvm_test_top.env_o.sb [scoreboard] write: addrs=10, data_in=47,
UVM_INFO spr_driver.sv(24) @ 435: uvm_test_top.env_o.agt.dvr [driver] wren=1, addrs=9, data_in=2
UVM_INFO main_monitor.sv(48) @ 445: uvm_test_top.env_o.agt.mon [main_monitor] write() called: wi
--------------------------------445
--------------------------------
Name         Type       Size  Value
--------------------------------
item         seq_item   -     @1293
  wren       integral   1     'h1
  addrs      integral   4     'h1
  data_in    integral   8     'h68
  data_out   integral   8     'h0
--------------------------------
UVM_INFO spr_scbd.sv(38) @ 445: uvm_test_top.env_o.sb [scoreboard] write: addrs=1, data_in=104,
UVM_INFO spr_driver.sv(24) @ 445: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=2, data_in=4
UVM_INFO main_monitor.sv(48) @ 455: uvm_test_top.env_o.agt.mon [main_monitor] write() called: wi
--------------------------------455
--------------------------------
Name         Type       Size  Value
--------------------------------
item         seq_item   -     @1307
  wren       integral   1     'h1
  addrs      integral   4     'h9
  data_in    integral   8     'he1
  data_out   integral   8     'h0
--------------------------------
UVM_INFO spr_scbd.sv(38) @ 455: uvm_test_top.env_o.sb [scoreboard] write: addrs=9, data_in=225,
UVM_INFO spr_driver.sv(24) @ 455: uvm_test_top.env_o.agt.dvr [driver] wren=1, addrs=2, data_in=2
UVM_INFO main_monitor.sv(62) @ 465: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
Name         Type       Size  Value
--------------------------------
item         seq_item   -     @1265
  wren       integral   1     'h0
  addrs      integral   4     'hc
  data_in    integral   8     'h0
  data_out   integral   8     'h69
--------------------------------

--------------------------------465
--------------------------------
```

```
Name        Type       Size   Value
--------------------------------
item        seq_item    -     @1265
  wren      integral    1     'h0
  addrs     integral    4     'hc
  data_in   integral    8     'h0
  data_out  integral    8     'h69
--------------------------------
UVM_INFO spr_scbd.sv(43) @ 465: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,
UVM_INFO spr_driver.sv(24) @ 465: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=6, data_in=1
UVM_INFO main_monitor.sv(48) @ 475: uvm_test_top.env_o.agt.mon [main_monitor] write() called: wr
--------------------------------475
--------------------------------
Name        Type       Size   Value
--------------------------------
item        seq_item    -     @1335
  wren      integral    1     'h1
  addrs     integral    4     'h2
  data_in   integral    8     'hef
  data_out  integral    8     'h0
--------------------------------
UVM_INFO spr_scbd.sv(38) @ 475: uvm_test_top.env_o.sb [scoreboard] write: addrs=2, data_in=239,
UVM_INFO spr_driver.sv(24) @ 475: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=14, data_in=
UVM_INFO main_monitor.sv(62) @ 485: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
Name        Type       Size   Value
--------------------------------
item        seq_item    -     @1321
  wren      integral    1     'h0
  addrs     integral    4     'h2
  data_in   integral    8     'h0
  data_out  integral    8     'h0
--------------------------------

--------------------------------485
--------------------------------
Name        Type       Size   Value
--------------------------------
item        seq_item    -     @1321
  wren      integral    1     'h0
  addrs     integral    4     'h2
  data_in   integral    8     'h0
  data_out  integral    8     'h0
--------------------------------
UVM_INFO spr_scbd.sv(47) @ 485: uvm_test_top.env_o.sb [scoreboard] NOT_matched: wren=0, mem_data
UVM_INFO spr_driver.sv(24) @ 485: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=3, data_in=5
UVM_INFO main_monitor.sv(62) @ 495: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
Name        Type       Size   Value
--------------------------------
item        seq_item    -     @1349
  wren      integral    1     'h0
  addrs     integral    4     'h6
  data_in   integral    8     'h0
  data_out  integral    8     'h97
--------------------------------

--------------------------------495
```

```
--------------------------------
Name         Type       Size  Value
--------------------------------
item         seq_item   -     @1349
  wren       integral   1     'h0
  addrs      integral   4     'h6
  data_in    integral   8     'h0
  data_out   integral   8     'h97
--------------------------------
UVM_INFO spr_scbd.sv(43) @ 495: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,
UVM_INFO spr_driver.sv(24) @ 495: uvm_test_top.env_o.agt.dvr [driver] wren=0, addrs=7, data_in=9
UVM_INFO main_monitor.sv(62) @ 505: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
Name         Type       Size  Value
--------------------------------
item         seq_item   -     @1363
  wren       integral   1     'h0
  addrs      integral   4     'he
  data_in    integral   8     'h0
  data_out   integral   8     'h1b
--------------------------------

-------------------------------505
--------------------------------
Name         Type       Size  Value
--------------------------------
item         seq_item   -     @1363
  wren       integral   1     'h0
  addrs      integral   4     'he
  data_in    integral   8     'h0
  data_out   integral   8     'h1b
--------------------------------
UVM_INFO spr_scbd.sv(43) @ 505: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,
UVM_INFO spr_driver.sv(24) @ 505: uvm_test_top.env_o.agt.dvr [driver] wren=1, addrs=7, data_in=4
UVM_INFO main_monitor.sv(62) @ 515: uvm_test_top.env_o.agt.mon [main_monitor] [MAIN_MONITOR] Sti
Name         Type       Size  Value
--------------------------------
item         seq_item   -     @1377
  wren       integral   1     'h0
  addrs      integral   4     'h3
  data_in    integral   8     'h0
  data_out   integral   8     'h0
--------------------------------

-------------------------------515
--------------------------------
Name         Type       Size  Value
--------------------------------
item         seq_item   -     @1377
  wren       integral   1     'h0
  addrs      integral   4     'h3
  data_in    integral   8     'h0
  data_out   integral   8     'h0
--------------------------------
UVM_INFO spr_scbd.sv(43) @ 515: uvm_test_top.env_o.sb [scoreboard] [SCOREBOARD] matched: wren=0,
UVM_INFO spr_base_sequec.sv(14) @ 515: uvm_test_top.env_o.agt.seqr@@bseq [base_seq] sequence fir
UVM_INFO main_monitor.sv(48) @ 525: uvm_test_top.env_o.agt.mon [main_monitor] write() called: wr
```

```
--------------------------------525
--------------------------------
Name       Type       Size  Value
--------------------------------
item       seq_item   -     @1403
  wren     integral   1     'h1
  addrs    integral   4     'h7
  data_in  integral   8     'h2b
  data_out integral   8     'h0
--------------------------------
UVM_INFO spr_scbd.sv(38) @ 525: uvm_test_top.env_o.sb [scoreboard] write: addrs=7, data_in=43, w
UVM_INFO /apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/base/uvm_objection.svh(1276) @ 525: repo
UVM_INFO /apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/base/uvm_report_server.svh(904) @ 525: r
--- UVM Report Summary ---

** Report counts by severity
UVM_INFO :  157
UVM_WARNING :    0
UVM_ERROR :    0
UVM_FATAL :    0
** Report counts by id
[RNTST]        1
[TEST_DONE]     1
[TOPOLOGY]     1
[UVM/RELNOTES]     1
[UVMTOP]     1
[base_seq]     2
[driver]    50
[main_monitor]    50
[scoreboard]    50


$finish called from file "/apps/vcsmx/vcs/U-2023.03-SP2//etc/uvm-1.2/src/base/uvm_root.svh", lir
$finish at simulation time                  525
         V C S   S i m u l a t i o n   R e p o r t
Time: 525 ns
CPU Time:     0.510 seconds;       Data structure size:   0.3Mb
Wed Sep 10 02:53:13 2025
Finding VCD file...
./dump.vcd
 [2025-09-10 06:53:13 UTC] Opening EPWave...
 Done
```