

## Module: UVM-2

### Register Abstraction Layer

## RAL

UVM RAL - [EDA Link](#)

### ➤ Predefined Sequences:

uvm\_reg\_hw\_reset\_seq

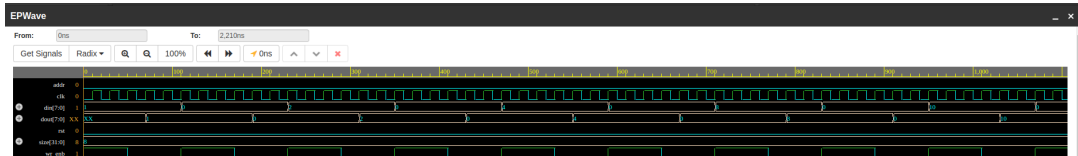
- Reset Sequence:
  - Console Output:

```
# KERNEL: Starting rst_seq sequence...
# KERNEL:
# KERNEL: UVM_INFO /home/build/vlib1/vlib/uvm-1.2/src/reg/sequences/uvm_reg_hw_reset_seq.svh(130) @ 0: uvm_test_top.env.agt_h.seqr@@rst_seq [uvm_reg_hw_reset_seq] Verifying r
# KERNEL: UVM_INFO /home/runner/testbench.sv(142) @ 30: uvm_test_top.env.agt_h.mon [driver] DATA READ rd_data x
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 50: uvm_test_top.env.agt_h.mon [monitor] DATA SEND TO SB wr_enb is 0, addr is 0, din is 0, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 50: uvm_test_top.env.sb_h [scoreboard] data rcvd from Monitor ap, wr_enb is 0, addr is 0, din is 0, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(377) @ 50: uvm_test_top.env.sb_h [scoreboard] ---- TEST IS PASSED ----
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 110: uvm_test_top.env.agt_h.mon [monitor] DATA SEND TO SB wr_enb is 0, addr is 0, din is 0, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 110: uvm_test_top.env.sb_h [scoreboard] data rcvd from Monitor ap, wr_enb is 0, addr is 0, din is 0, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(377) @ 110: uvm_test_top.env.sb_h [scoreboard] ---- TEST IS PASSED ----
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 170: uvm_test_top.env.agt_h.mon [monitor] DATA SEND TO SB wr_enb is 0, addr is 0, din is 0, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 170: uvm_test_top.env.sb_h [scoreboard] data rcvd from Monitor ap, wr_enb is 0, addr is 0, din is 0, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(377) @ 170: uvm_test_top.env.sb_h [scoreboard] ---- TEST IS PASSED ----
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 230: uvm_test_top.env.agt_h.mon [monitor] DATA SEND TO SB wr_enb is 0, addr is 0, din is 0, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 230: uvm_test_top.env.sb_h [scoreboard] data rcvd from Monitor ap, wr_enb is 0, addr is 0, din is 0, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(377) @ 230: uvm_test_top.env.sb_h [scoreboard] ---- TEST IS PASSED ----
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 290: uvm_test_top.env.agt_h.mon [monitor] DATA SEND TO SB wr_enb is 0, addr is 0, din is 0, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 290: uvm_test_top.env.sb_h [scoreboard] data rcvd from Monitor ap, wr_enb is 0, addr is 0, din is 0, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(377) @ 290: uvm_test_top.env.sb_h [scoreboard] ---- TEST IS PASSED ----
# KERNEL: UVM_INFO /home/build/vlib1/vlib/uvm-1.2/src/base/uvm_objection.svh(1271) @ 350: reporter [TEST_DONE] 'run' phase is ready to proceed to the 'extract' phase
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 350: uvm_test_top.env.agt_h.mon [monitor] DATA SEND TO SB wr_enb is 0, addr is 0, din is 0, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 350: uvm_test_top.env.sb_h [scoreboard] data rcvd from Monitor ap, wr_enb is 0, addr is 0, din is 0, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(377) @ 350: uvm_test_top.env.sb_h [scoreboard] ---- TEST IS PASSED ----
# KERNEL: UVM_INFO /home/runner/testbench.sv(778) @ 350: uvm_test_top [test] ..... TEST PASS .....
# KERNEL: UVM_INFO /home/runner/testbench.sv(778) @ 350: uvm_test_top [test] ..... TEST PASS .....
# KERNEL: UVM_INFO /home/build/vlib1/vlib/uvm-1.2/src/base/uvm_report_server.svh(869) @ 350: reporter [UVM/REPORT/SERVER]
# KERNEL: --- UVM Report Summary ---
# KERNEL:
# KERNEL: ** Report counts by severity
# KERNEL: UVM_INFO : 28
# KERNEL: UVM_WARNING : 0
# KERNEL: UVM_ERROR : 0
# KERNEL: UVM_FATAL : 0
# KERNEL: ** Report counts by id
# KERNEL: [RNTST] 1
# KERNEL: [STARTING_SEQ] 1
# KERNEL: [TEST_DONE] 1
# KERNEL: [UVM/RELNOTES] 1
# KERNEL: [UVMTOP] 1
# KERNEL: [driver] 1
# KERNEL: [monitor] 6
# KERNEL: [scoreboard] 12
.com/home
```

- **Bit Bash Sequence:**
  - **Console Output:**

```
# KERNEL: UVM_INFO /home/runner/testbench.sv(302) @ 1970: uvm_test_top.mif_sb_h [scoreboard] MAKE LOG FROM MONITOR ap, wr_enb is 0, addr is 0, din is 0, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(377) @ 1970: uvm_test_top.env_sb_h [scoreboard] ---- TEST IS PASSED ----
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 2030: uvm_test_top.env_agt_h_mon [monitor] DATA SEND TO SB wr_enb is 0, addr is 0, din is 0, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 2030: uvm_test_top.env_sb_h [scoreboard] data rcvd from Monitor ap, wr_enb is 0, addr is 0, din is 0, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(377) @ 2030: uvm_test_top.env_sb_h [scoreboard] ---- TEST IS PASSED ----
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 2090: uvm_test_top.env_agt_h_mon [monitor] DATA SEND TO SB wr_enb is 0, addr is 0, din is 0, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 2090: uvm_test_top.env_sb_h [scoreboard] data rcvd from Monitor ap, wr_enb is 0, addr is 0, din is 0, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(377) @ 2090: uvm_test_top.env_sb_h [scoreboard] ---- TEST IS PASSED ----
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 2150: uvm_test_top.env_agt_h_mon [monitor] DATA SEND TO SB wr_enb is 0, addr is 0, din is 0, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 2150: uvm_test_top.env_sb_h [scoreboard] data rcvd from Monitor ap, wr_enb is 0, addr is 0, din is 0, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(377) @ 2150: uvm_test_top.env_sb_h [scoreboard] ---- TEST IS PASSED ----
# KERNEL: UVM_INFO /home/build/vlib1/vlib/uvm-1.2/src/base/uvm_objection.svh(1271) @ 2210: reporter [TEST_DONE] 'run' phase is ready to proceed to the 'extract' phase
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 2210: uvm_test_top.env_agt_h_mon [monitor] DATA SEND TO SB wr_enb is 0, addr is 0, din is 0, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 2210: uvm_test_top.env_sb_h [scoreboard] data rcvd from Monitor ap, wr_enb is 0, addr is 0, din is 0, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(377) @ 2210: uvm_test_top.env_sb_h [scoreboard] ---- TEST IS PASSED ----
# KERNEL: UVM_INFO /home/runner/testbench.sv(778) @ 2210: uvm_test_top [test] -----
# KERNEL: UVM_INFO /home/runner/testbench.sv(779) @ 2210: uvm_test_top [test] ----- TEST PASS -----
# KERNEL: UVM_INFO /home/runner/testbench.sv(780) @ 2210: uvm_test_top [test] -----
# KERNEL: UVM_INFO /home/build/vlib1/vlib/uvm-1.2/src/base/uvm_report_server.svh(869) @ 2210: reporter [UVM/REPORT/SERVER]
# KERNEL: --- UVM Report Summary ---
# KERNEL:
# KERNEL: ** Report counts by severity
# KERNEL: UVM_INFO : 152
# KERNEL: UVM_WARNING : 0
# KERNEL: UVM_ERROR : 0
# KERNEL: UVM_FATAL : 0
# KERNEL: ** Report counts by id
# KERNEL: [RNTST] 1
# KERNEL: [STARTING_SEQ] 1
# KERNEL: [TEST_DONE] 1
# KERNEL: [UVM/RELNOTES] 1
# KERNEL: [UVMTOP] 1
# KERNEL: [driver] 32
# KERNEL: [monitor] 37
# KERNEL: [scoreboard] 74
# KERNEL: [test] 3
# KERNEL: [uvm_reg_bit_bash_seq] 1
# KERNEL:
# RUNTIME: Info: RUNTIME_0068 uvm_root.svh (521): $finish called.
# KERNEL: Time: 2210 ns, Iteration: 57, Instance: /top_tb, Process: @INITIAL#B10.
# KERNEL: stopped at time: 2210 ns
# VSIM: Simulation has finished. There are no more test vectors to simulate.
# VSIM: Simulation has finished.
Done
```

- **Waveform:**



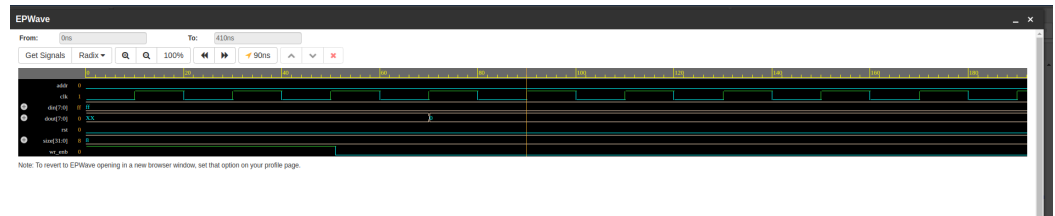
- Access Sequence:
  - Console Output:

```

@Log <Share
# KERNEL: Starting access_seq sequence...
# KERNEL:
# KERNEL: UVM_INFO /home/build/vlib/vlib/uvm-1.2/src/reg/sequences/uvm_reg_access_seq.svh(137) @ 8: uvm_test_top.env.agt.h.seqr@access_seq_single_reg_access_seq [uvm_reg_access_seq] Verifying access of register 'reg_bla_h.reg1_h' in
# KERNEL: UVM_INFO /home/runner/testbench.sv(132) @ 0: uvm_test_top.env.agt.h.drv [driver] DATA WRITE wr_data 255
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 50: uvm_test_top.env.agt.h.mon [monitor] DATA SEND TO SB wr_enb is 1, addr is 0, din is 255, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 50: uvm_test_top.env.sb.h [scoreboard] data rcvd from Monitor ap, wr_enb is 1, addr is 0, din is 255, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(368) @ 50: uvm_test_top.env.sb.h [scoreboard] Input data is stored 255
# KERNEL: UVM_INFO /home/runner/testbench.sv(142) @ 90: uvm_test_top.env.agt.h.drv [driver] DATA READ rd_data 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 130: uvm_test_top.env.agt.h.mon [monitor] DATA SEND TO SB wr_enb is 0, addr is 0, din is 255, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 130: uvm_test_top.env.sb.h [scoreboard] data rcvd from Monitor ap, wr_enb is 0, addr is 0, din is 255, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 170: uvm_test_top.env.agt.h.mon [monitor] DATA SEND TO SB wr_enb is 0, addr is 0, din is 255, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 170: uvm_test_top.env.sb.h [scoreboard] data rcvd from Monitor ap, wr_enb is 0, addr is 0, din is 255, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 230: uvm_test_top.env.agt.h.mon [monitor] DATA SEND TO SB wr_enb is 0, addr is 0, din is 255, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 230: uvm_test_top.env.sb.h [scoreboard] data rcvd from Monitor ap, wr_enb is 0, addr is 0, din is 255, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 290: uvm_test_top.env.agt.h.mon [monitor] DATA SEND TO SB wr_enb is 0, addr is 0, din is 255, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 290: uvm_test_top.env.sb.h [scoreboard] data rcvd from Monitor ap, wr_enb is 0, addr is 0, din is 255, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 350: uvm_test_top.env.agt.h.mon [monitor] DATA SEND TO SB wr_enb is 0, addr is 0, din is 255, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 350: uvm_test_top.env.sb.h [scoreboard] data rcvd from Monitor ap, wr_enb is 0, addr is 0, din is 255, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 410: uvm_test_top.env.agt.h.mon [monitor] DATA SEND TO SB wr_enb is 0, addr is 0, din is 255, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 410: uvm_test_top.env.sb.h [scoreboard] data rcvd from Monitor ap, wr_enb is 0, addr is 0, din is 255, dout is 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(789) @ 410: uvm_test_top [test] ----- TEST PASS -----
# KERNEL: UVM_INFO /home/runner/testbench.sv(791) @ 410: uvm_test_top [test] -----
# KERNEL: UVM_INFO /home/build/vlib/vlib/uvm-1.2/src/base/uvm_report_server.svh(889) @ 410: reporter [UVM/REPORT/SERVER]
# KERNEL: --- UVM Report Summary ---
# KERNEL:
# KERNEL: ** Report counts by severity
# KERNEL: UVM_INFO : 26
# KERNEL: UVM_WARNING : 0
# KERNEL: UVM_ERROR : 0
# KERNEL: UVM_FATAL : 0
# KERNEL: ** Report counts by id
# KERNEL: [RNTST] 1
# KERNEL: [STARTING_SEQ] 1
# KERNEL: [TEST_DONE] 1
# KERNEL: [UVM/RELNOTES] 1
# KERNEL: [UVMTOP] 1
# KERNEL: [driver] 2
# KERNEL: [monitor] 7
# KERNEL: [scoreboard] 8
# KERNEL: [test] 3
# KERNEL: [uvm_reg_access_seq] 1
# KERNEL:

```

- Waveform:



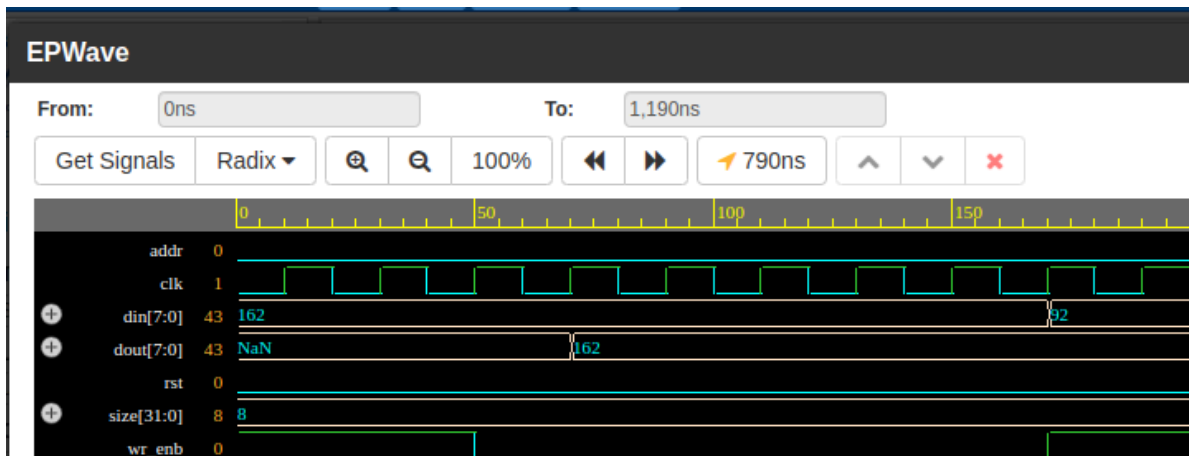
- User-Defined Sequence:

wr\_rd\_sequence

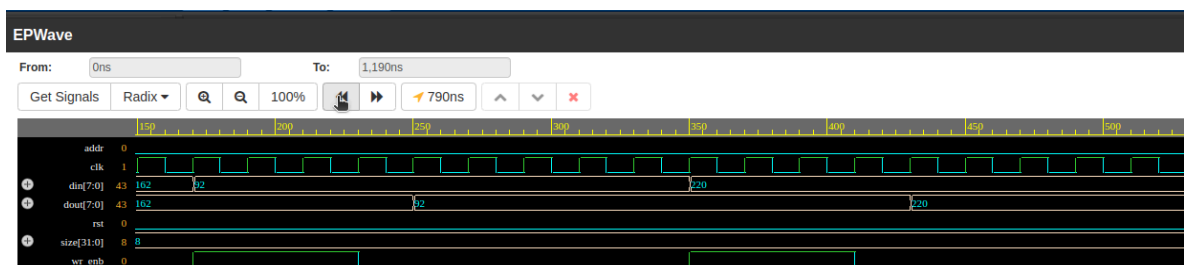
## ■ Console Output:

```
# KERNEL: UVM_INFO /home/runner/testbench.sv(132) @ 750: uvm_test_top.env.agt_h.drv [driver] DATA WRITE wr_data 43
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 770: uvm_test_top.env.agt_h.mon [monitor] DATA SEND TO SB wr_enb is 1, addr is 0, din is 43, dout is 171
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 770: uvm_test_top.env.sb_h [scoreboard] data rcvd from Monitor ap, wr_enb is 1, addr is 0, din is 43, dout is 171
# KERNEL: UVM_INFO /home/runner/testbench.sv(360) @ 770: uvm_test_top.env.sb_h [scoreboard] input data is stored 43
# KERNEL: UVM_INFO /home/runner/testbench.sv(631) @ 770: uvm_test_top.env.agt_h.seq00wr_rd_seq [wr_rd_sequence] After FRONT000R write method, Desired value is 43, Mirrored value is 43
# KERNEL: UVM_INFO /home/runner/testbench.sv(142) @ 830: uvm_test_top.env.agt_h.drv [driver] DATA READ rd_data 43
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 830: uvm_test_top.env.agt_h.mon [monitor] DATA SEND TO SB wr_enb is 0, addr is 0, din is 43, dout is 43
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 830: uvm_test_top.env.sb_h [scoreboard] data rcvd from Monitor ap, wr_enb is 0, addr is 0, din is 43, dout is 43
# KERNEL: UVM_INFO /home/runner/testbench.sv(377) @ 830: uvm_test_top.env.sb_h [scoreboard] ---- TEST IS PASSED ----
# KERNEL: UVM_INFO /home/runner/testbench.sv(645) @ 830: uvm_test_top.env.agt_h.seq00wr_rd_seq [wr_rd_sequence] After FRONT000R read method, Desired value is 43, Mirrored value is 43
# KERNEL: UVM_INFO /home/runner/testbench.sv(661) @ 830: uvm_test_top.env.agt_h.seq00wr_rd_seq [wr_rd_sequence] After Calling Set method, Desired value is 10, Mirrored value is 43
# KERNEL: UVM_INFO /home/runner/testbench.sv(676) @ 830: uvm_test_top.env.agt_h.seq00wr_rd_seq [wr_rd_sequence] After Calling Predict method, Desired value is 5, Mirrored value is 5
# KERNEL: ##### Calling mirror() #####
# KERNEL: UVM_INFO /home/runner/testbench.sv(142) @ 870: uvm_test_top.env.agt_h.drv [driver] DATA READ rd_data 43
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 890: uvm_test_top.env.agt_h.mon [monitor] DATA SEND TO SB wr_enb is 0, addr is 0, din is 43, dout is 43
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 890: uvm_test_top.env.sb_h [scoreboard] data rcvd from Monitor ap, wr_enb is 0, addr is 0, din is 43, dout is 43
# KERNEL: UVM_ERROR /home/build/vlib1/vlib/uvm-1.2/src/reg/uvm_reg.svh(2906) @ 890: reporter [RegModel] Register "reg_blk_h.reg0_h" value read from DUT (0x000000000000002b) does not match mirrored value (0x0000000000000005)
# KERNEL: UVM_INFO /home/build/vlib1/vlib/uvm-1.2/src/reg/uvm_reg.svh(2925) @ 890: reporter [RegModel] Field f0 (reg_blk_h.reg0_h[7:0]) mismatch read=0'h2b mirrored=0'h5
# KERNEL: #####
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 950: uvm_test_top.env.agt_h.mon [monitor] DATA SEND TO SB wr_enb is 0, addr is 0, din is 43, dout is 43
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 970: uvm_test_top.env.agt_h.mon [monitor] DATA SEND TO SB wr_enb is 0, addr is 0, din is 43, dout is 43
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 970: uvm_test_top.env.sb_h [scoreboard] data rcvd from Monitor ap, wr_enb is 0, addr is 0, din is 43, dout is 43
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 1010: uvm_test_top.env.agt_h.mon [monitor] DATA SEND TO SB wr_enb is 0, addr is 0, din is 43, dout is 43
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 1010: uvm_test_top.env.sb_h [scoreboard] data rcvd from Monitor ap, wr_enb is 0, addr is 0, din is 43, dout is 43
# KERNEL: UVM_INFO /home/runner/testbench.sv(377) @ 1010: uvm_test_top.env.sb_h [scoreboard] ---- TEST IS PASSED ----
# KERNEL: UVM_INFO /home/runner/testbench.sv(377) @ 1010: uvm_test_top.env.sb_h [scoreboard] ---- TEST IS PASSED ----
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 1130: uvm_test_top.env.agt_h.mon [monitor] DATA SEND TO SB wr_enb is 0, addr is 0, din is 43, dout is 43
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 1130: uvm_test_top.env.sb_h [scoreboard] data rcvd from Monitor ap, wr_enb is 0, addr is 0, din is 43, dout is 43
# KERNEL: UVM_INFO /home/runner/testbench.sv(377) @ 1130: uvm_test_top.env.sb_h [scoreboard] ---- TEST IS PASSED ----
# KERNEL: UVM_INFO /home/build/vlib1/vlib/uvm-1.2/src/base/uvm_object.svh(2271) @ 1190: reporter [TEST DONE] 'run' phase is ready to proceed to the 'extract' phase
# KERNEL: UVM_INFO /home/runner/testbench.sv(229) @ 1190: uvm_test_top.env.agt_h.mon [monitor] DATA SEND TO SB wr_enb is 0, addr is 0, din is 43, dout is 43
# KERNEL: UVM_INFO /home/runner/testbench.sv(352) @ 1190: uvm_test_top.env.sb_h [scoreboard] data rcvd from Monitor ap, wr_enb is 0, addr is 0, din is 43, dout is 43
# KERNEL: UVM_INFO /home/runner/testbench.sv(377) @ 1190: uvm_test_top.env.sb_h [scoreboard] ---- TEST IS PASSED ----
# KERNEL: UVM_INFO /home/runner/testbench.sv(890) @ 1190: uvm_test_top [test] -----
# KERNEL: UVM_INFO /home/runner/testbench.sv(891) @ 1190: uvm_test_top [test] ----- TEST FAIL -----
# KERNEL: UVM_INFO /home/runner/testbench.sv(892) @ 1190: uvm_test_top [test] -----
# KERNEL: UVM_INFO /home/build/vlib1/vlib/uvm-1.2/src/base/uvm_report_server.svh(860) @ 1190: reporter [UVM/REPORT/SERVER]
# KERNEL: --- UVM Report Summary ---
```

## ■ Waveform:



Note: To revert to EPWave opening in a new browser window, set that option on your profile page.



## ➤ Introspection Methods:

### ○ Output:

```
# KERNEL: ##### ----- #####
# KERNEL: ##### Introspection Methods #####
# KERNEL: UVM_INFO /home/runner/testbench.sv(686) @ 890: uvm_test_top.env.agt_h.seqr00wr_rd_seq [Introspection] Full Name = reg_blk_h.reg0_h
# KERNEL: UVM_INFO /home/runner/testbench.sv(687) @ 890: uvm_test_top.env.agt_h.seqr00wr_rd_seq [Introspection] Number of Maps = 1
# KERNEL: UVM_INFO /home/runner/testbench.sv(688) @ 890: uvm_test_top.env.agt_h.seqr00wr_rd_seq [Introspection] Number of Bits = 8
# KERNEL: UVM_INFO /home/runner/testbench.sv(689) @ 890: uvm_test_top.env.agt_h.seqr00wr_rd_seq [Introspection] Address = 0
# KERNEL: UVM_INFO /home/runner/testbench.sv(690) @ 890: uvm_test_top.env.agt_h.seqr00wr_rd_seq [Introspection] Access Rights = RW
# KERNEL: UVM_INFO /home/runner/testbench.sv(691) @ 890: uvm_test_top.env.agt_h.mon [monitor] DATA SEND TO SE is 0, addr is 0, dir is 10, dout is 0

##### ----- #####
#####
env.agt_h.seqr00wr_rd_seq [Introspection] Full Name = reg_blk_h.reg0_h
env.agt_h.seqr00wr_rd_seq [Introspection] Number of Maps = 1
env.agt_h.seqr00wr_rd_seq [Introspection] Number of Bits = 8
env.agt_h.seqr00wr_rd_seq [Introspection] Address = 0
env.agt_h.seqr00wr_rd_seq [Introspection] Access Rights = RW
env.agt_h.mon [monitor] DATA SEND TO SE is 0, addr is 0, dir is 10, dout is 0
```