

```

----Asynch Memory Reset----
[time:20] addr [0]: read_data xx
[time:40] addr [1]: read_data 00
[time:60] addr [2]: read_data 00
[time:80] addr [3]: read_data 00
[time:100] addr [4]: read_data 00
[time:120] addr [5]: read_data 00
[time:140] addr [6]: read_data 00
[time:160] addr [7]: read_data 00
[time:180] addr [8]: read_data 00
[time:200] addr [9]: read_data 00
[time:220] addr [10]: read_data 00
[time:240] addr [11]: read_data 00
[time:260] addr [12]: read_data 00
[time:280] addr [13]: read_data 00
[time:300] addr [14]: read_data 00
[time:320] addr [15]: read_data 00
[time:340] addr [16]: read_data 00
[time:360] addr [17]: read_data 00
[time:380] addr [18]: read_data 00
[time:400] addr [19]: read_data 00
[time:420] addr [20]: read_data 00
[time:440] addr [21]: read_data 00
[time:460] addr [22]: read_data 00
[time:480] addr [23]: read_data 00
[time:500] addr [24]: read_data 00
[time:520] addr [25]: read_data 00
[time:540] addr [26]: read_data 00
[time:560] addr [27]: read_data 00
[time:580] addr [28]: read_data 00
[time:600] addr [29]: read_data 00
[time:620] addr [30]: read_data 00
[time:640] addr [31]: read_data 00

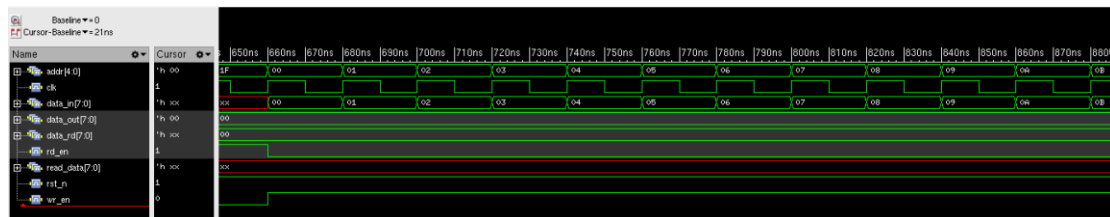
```



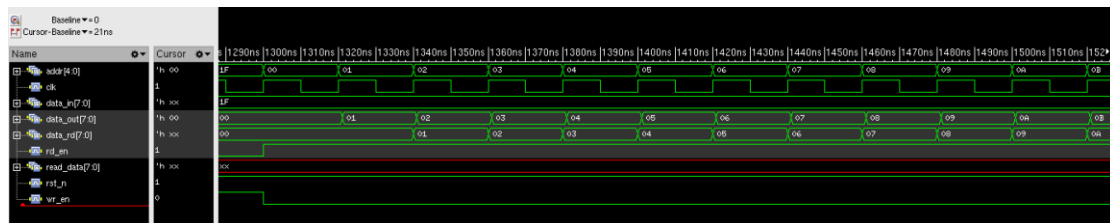
```

----Write in Data----
[time:660] addr [0] data_in 0
[time:680] addr [1] data_in 1
[time:700] addr [2] data_in 2
[time:720] addr [3] data_in 3
[time:740] addr [4] data_in 4
[time:760] addr [5] data_in 5
[time:780] addr [6] data_in 6
[time:800] addr [7] data_in 7
[time:820] addr [8] data_in 8
[time:840] addr [9] data_in 9
[time:860] addr [10] data_in 10
[time:880] addr [11] data_in 11
[time:900] addr [12] data_in 12
[time:920] addr [13] data_in 13
[time:940] addr [14] data_in 14
[time:960] addr [15] data_in 15
[time:980] addr [16] data_in 16
[time:1000] addr [17] data_in 17
[time:1020] addr [18] data_in 18
[time:1040] addr [19] data_in 19
[time:1060] addr [20] data_in 20
[time:1080] addr [21] data_in 21
[time:1100] addr [22] data_in 22
[time:1120] addr [23] data_in 23
[time:1140] addr [24] data_in 24
[time:1160] addr [25] data_in 25
[time:1180] addr [26] data_in 26
[time:1200] addr [27] data_in 27
[time:1220] addr [28] data_in 28
[time:1240] addr [29] data_in 29
[time:1260] addr [30] data_in 30
[time:1280] addr [31] data_in 31

```



```
-----current vs expected value-----
[time:1300] addr [0]: read_data 00
[time:1300] [Correct] current addr[0] value: 0 - expected value: 0
[time:1320] addr [1]: read_data 00
[time:1320] [ERROR] current addr[1] value: 0 - expected value: 1
[time:1340] addr [2]: read_data 01
[time:1340] [ERROR] current addr[2] value: 1 - expected value: 2
[time:1360] addr [3]: read_data 02
[time:1360] [ERROR] current addr[3] value: 2 - expected value: 3
[time:1380] addr [4]: read_data 03
[time:1380] [ERROR] current addr[4] value: 3 - expected value: 4
[time:1400] addr [5]: read_data 04
[time:1400] [ERROR] current addr[5] value: 4 - expected value: 5
[time:1420] addr [6]: read_data 05
[time:1420] [ERROR] current addr[6] value: 5 - expected value: 6
[time:1440] addr [7]: read_data 06
[time:1440] [ERROR] current addr[7] value: 6 - expected value: 7
[time:1460] addr [8]: read_data 07
[time:1460] [ERROR] current addr[8] value: 7 - expected value: 8
[time:1480] addr [9]: read_data 08
[time:1480] [ERROR] current addr[9] value: 8 - expected value: 9
[time:1500] addr [10]: read_data 09
[time:1500] [ERROR] current addr[10] value: 9 - expected value: 10
[time:1520] addr [11]: read_data 0a
[time:1520] [ERROR] current addr[11] value: 10 - expected value: 11
[time:1540] addr [12]: read_data 0b
[time:1540] [ERROR] current addr[12] value: 11 - expected value: 12
[time:1560] addr [13]: read_data 0c
[time:1560] [ERROR] current addr[13] value: 12 - expected value: 13
[time:1580] addr [14]: read_data 0d
[time:1580] [ERROR] current addr[14] value: 13 - expected value: 14
[time:1600] addr [15]: read_data 0e
[time:1600] [ERROR] current addr[15] value: 14 - expected value: 15
[time:1620] addr [16]: read_data 0f
[time:1620] [ERROR] current addr[16] value: 15 - expected value: 16
[time:1640] addr [17]: read_data 10
[time:1640] [ERROR] current addr[17] value: 16 - expected value: 17
[time:1660] addr [18]: read_data 11
[time:1660] [ERROR] current addr[18] value: 17 - expected value: 18
[time:1680] addr [19]: read_data 12
```



```
[time:1680] addr [19]: read_data 12 value: 18 - expected value: 19
[time:1700] addr [20]: read_data 13 value: 19 - expected value: 20
[time:1720] addr [21]: read_data 14 value: 20 - expected value: 21
[time:1720] [ERROR] current addr[21] value: 20 - expected value: 21
[time:1740] addr [22]: read_data 15 value: 21 - expected value: 22
[time:1740] [ERROR] current addr[22] value: 21 - expected value: 22
[time:1760] addr [23]: read_data 16 value: 22 - expected value: 23
[time:1760] [ERROR] current addr[23] value: 22 - expected value: 23
[time:1780] addr [24]: read_data 17 value: 23 - expected value: 24
[time:1780] [ERROR] current addr[24] value: 23 - expected value: 24
[time:1800] addr [25]: read_data 18 value: 24 - expected value: 25
[time:1800] [ERROR] current addr[25] value: 24 - expected value: 25
[time:1820] addr [26]: read_data 19 value: 25 - expected value: 26
[time:1820] [ERROR] current addr[26] value: 25 - expected value: 26
[time:1840] addr [27]: read_data 1a value: 26 - expected value: 27
[time:1840] [ERROR] current addr[27] value: 26 - expected value: 27
[time:1860] addr [28]: read_data 1b value: 27 - expected value: 28
[time:1860] [ERROR] current addr[28] value: 27 - expected value: 28
[time:1880] addr [29]: read_data 1c value: 28 - expected value: 29
[time:1880] [ERROR] current addr[29] value: 28 - expected value: 29
[time:1900] addr [30]: read_data 1d value: 29 - expected value: 30
[time:1900] [ERROR] current addr[30] value: 29 - expected value: 30
[time:1920] addr [31]: read_data 1e value: 30 - expected value: 31
[time:1920] [ERROR] current addr[31] value: 30 - expected value: 31
Simulation complete via $finish(1) at time 1920 NS + 0
../tb/sample_mem_tb.sv:66 $finish;
xcelium> exit
TOOL: xrun 22.03-s012: Exiting on Sep 02, 2024 at 01:26:38 CDT (total: 00:00:01)
bash-4.4$
```

