[redacted]

```
# KERNEL: @ Generator component: inputs are 0,1,1, and outputs: sum=0, cy=0
# KERNEL: @ Driver component: inputs are 0,1,1, and outputs: sum=0, cy=0
# KERNEL: @ Monitor component: inputs are 0,1,1, and outputs: sum=0, cy=1
# KERNEL: Success
# KERNEL: @ Scoreboard component: inputs are 0,1,1, and outputs: sum=0, cy=1
# RUNTIME: Info: RUNTIME_0068 environment.sv (36): $finish called.
# KERNEL: Time: 3 ns,  Iteration: 0,  Instance: /tbench_top/t1,  Process: @INITIAL#6_0@.
# KERNEL: stopped at time: 3 ns
# VSIM: Simulation has finished. There are no more test vectors to simulate.
# VSIM: Simulation has finished.
```

[redacted]

```
# KERNEL: @ Generator component: inputs are 14,11, and outputs: {cy,sum}=0
# KERNEL: @ Driver component: inputs are 14,11, and outputs: {cy,sum}=0
# KERNEL: @ Monitor component: inputs are 14,11, and outputs: {cy,sum}=25
# KERNEL: Success
# KERNEL: @ Scoreboard component: inputs are 14,11, and outputs: {cy,sum}=25
# KERNEL: @ Generator component: inputs are 8,10, and outputs: {cy,sum}=0
# KERNEL: @ Driver component: inputs are 8,10, and outputs: {cy,sum}=25
# KERNEL: @ Monitor component: inputs are 8,10, and outputs: {cy,sum}=18
# KERNEL: Success
# KERNEL: @ Scoreboard component: inputs are 8,10, and outputs: {cy,sum}=18
# RUNTIME: Info: RUNTIME_0068 environment.sv (38): $finish called.
```

[redacted]

```
# KERNEL: @ Generator component: inputs are 14,11, and outputs: sum=0
# KERNEL: @ Driver component: inputs are 14,11, and outputs: sum=0
# KERNEL: @ Monitor component: inputs are 14,11, and outputs: sum=25
# KERNEL: @ Scoreboard component: inputs are 14,11, and outputs: sum=
# KERNEL: Success

# KERNEL: @ Generator component: inputs are 15,9, and outputs: sum
# KERNEL: @ Driver component: inputs are 15,9, and outputs: sum=12
# KERNEL: @ Monitor component: inputs are 15,9, and outputs: sum=2
# KERNEL: @ Scoreboard component: inputs are 15,9, and outputs: su
# KERNEL: Success

# KERNEL: @ Generator component: inputs are 0,6, and outputs: sum
# KERNEL: @ Driver component: inputs are 0,6, and outputs: sum=24
# KERNEL: @ Monitor component: inputs are 0,6, and outputs: sum=6
# KERNEL: @ Scoreboard component: inputs are 0,6, and outputs: su
# KERNEL: Success
```

```
# KERNEL: @ Generator component: inputs are 5,14, and outputs: sum=0
# KERNEL: @ Driver component: inputs are 5,14, and outputs: sum=25
# KERNEL: @ Monitor component: inputs are 5,14, and outputs: sum=19
# KERNEL: @ Scoreboard component: inputs are 5,14, and outputs: sum=19
# KERNEL: Success

# KERNEL: @ Generator component: inputs are 6,6, and outputs: sum=25
# KERNEL: @ Driver component: inputs are 6,6, and outputs: sum=19
# KERNEL: @ Monitor component: inputs are 6,6, and outputs: sum=12
# KERNEL: @ Scoreboard component: inputs are 6,6, and outputs: sum=1
# KERNEL: Success

# KERNEL: @ Generator component: inputs are 5,10, and outputs: sum=24
# KERNEL: @ Driver component: inputs are 5,10, and outputs: sum=6
# KERNEL: @ Monitor component: inputs are 5,10, and outputs: sum=15
# KERNEL: @ Scoreboard component: inputs are 5,10, and outputs: sum=15
# KERNEL: Success
```

```
# KERNEL: 6 ON 6 TRANSACTIONS SUCCESSFULL
# RUNTIME: Info: RUNTIME_0068 environment.sv (42): $finish called.
```

[redacted]

6.1

```
# KERNEL:       addr = 15
# KERNEL:       addr = 13
# KERNEL:       addr = 7
# KERNEL:       addr = 13
# KERNEL:       addr = 6
# KERNEL:       addr = 9
# KERNEL:       addr = 9
# KERNEL:       addr = 7
# KERNEL:       addr = 10
# KERNEL:       addr = 11
```

6.2

```
# KERNEL:       addr = 15
# KERNEL:       addr = 13
# KERNEL:       addr = 7
# KERNEL:       addr = 13
# KERNEL:       addr = 6
# KERNEL:       addr = 9
# KERNEL:       addr = 9
# KERNEL:       addr = 7
# KERNEL:       addr = 10
# KERNEL:       addr = 11
```

6.3

```
# KERNEL: start is 5, stop is 13
# KERNEL:       addr = 5
# KERNEL: start is 5, stop is 9
# KERNEL:       addr = 8
# KERNEL: start is 0, stop is 8
# KERNEL:       addr = 0
# KERNEL: start is 4, stop is 11
# KERNEL:       addr = 5
# KERNEL: start is 4, stop is 13
# KERNEL:       addr = 6
# KERNEL: start is 1, stop is 15
# KERNEL:       addr = 10
# KERNEL: start is 2, stop is 7
# KERNEL:       addr = 3
# KERNEL: start is 0, stop is 6
# KERNEL:       addr = 3
# KERNEL: start is 2, stop is 13
# KERNEL:       addr = 3
# KERNEL: start is 4, stop is 14
# KERNEL:       addr = 8
```

6.4

```
# KERNEL: start is 5, stop is 7
# KERNEL:       addr = 9
# KERNEL: start is 5, stop is 13
# KERNEL:       addr = 14
# KERNEL: start is 0, stop is 3
# KERNEL:       addr = 8
# KERNEL: start is 1, stop is 7
# KERNEL:       addr = 14
# KERNEL: start is 4, stop is 9
# KERNEL:       addr = 14
# KERNEL: start is 10, stop is 12
# KERNEL:       addr = 4
# KERNEL: start is 4, stop is 12
# KERNEL:       addr = 13
# KERNEL: start is 1, stop is 2
# KERNEL:       addr = 3
# KERNEL: start is 1, stop is 3
# KERNEL:       addr = 14
# KERNEL: start is 4, stop is 6
# KERNEL:       addr = 13
```