

48th day

Fork Join Whenever 3 threads are running parallel when two threads Finished I want to come out

```
module tb;
```

```
    int done_count = 0;
```

```
    event done_evt;
```

```
    initial
```

```
        begin
```

```
fork_block: fork
```

```
    begin
```

```
        #10;
```

```
        done_count++;
```

```
        -> done_evt;
```

```
        $display("p1 finished at %0t", $time);
```

```
    end
```

```
    begin
```

```
        #20;
```

```
        done_count++;
```

```
        -> done_evt;
```

```
    $display("p2 finished at %0t", $time);  
end
```

```
begin  
    #30;  
    done_count++;  
    -> done_evt;  
    $display("p3 finished at %0t", $time);  
end
```

```
begin  
    forever  
        begin  
            @done_evt;  
            if (done_count == 2)  
                disable fork_block;  
            end  
        end  
    end  
join  
end
```

```
endmodule
```

Simulation

Contains Synopsys proprietary information.

Compiler version U-2023.03-SP2_Full64; Runtime version U-2023.03-SP2_Full64; Jun 13 07:51 2025

p1 finished at 10

p2 finished at 20

V C S S i m u l a t i o n R e p o r t

Time: 20 ns

CPU Time: 0.400 seconds; Data structure size: 0.0Mb

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