```
P1 Ready P3 Running P5 Ready P7 Ready P8 Ready
At time 5: P3 requests the disk; P7 is dispatched.
P1 Ready P3 Blocked* P5 Ready P7 Running* P8 Ready
Disk queue: P3
Keyboard queue:
Printer queue:
At time 15: Time slice for P7 expires; P8 is dispatched.
P1 Ready P3 Blocked P5 Ready P7 Ready* P8 Running*
Disk queue: P3
Keyboard queue:
Printer queue:
At time 18: P8 requests the keyboard; P5 is dispatched.
P1 Ready P3 Blocked P5 Running* P7 Ready P8 Blocked*
Disk queue: P3
Keyboard queue: P8
Printer queue:
At time 20: P5 requests the disk; P7 is dispatched.
P1 Ready P3 Blocked P5 Blocked* P7 Running* P8 Blocked
Disk queue: P3 P5
Keyboard queue: P8
Printer queue:
At time 24: P7 requests the printer; P1 is dispatched.
P1 Running* P3 Blocked P5 Blocked P7 Blocked* P8 Blocked
Disk queue: P3 P5
Keyboard queue: P8
Printer queue: P7
At time 28: P7 is swapped out.
P1 Running P3 Blocked P5 Blocked P7 Blocked/Suspend P8 Blocked
Disk queue: P3 P5
Keyboard queue: P8
Printer queue: P7
At time 33: An interrupt occurred for P5.
P1 Running P3 Blocked P5 Ready* P7 Blocked/Suspend P8 Blocked
Disk queue: P3
Keyboard queue: P8
Printer queue: P7
At time 36: An interrupt occurred for P3.
P1 Running P3 Ready* P5 Ready P7 Blocked/Suspend P8 Blocked
Disk queue:
Keyboard queue: P8
Printer queue: P7
```

```
At time 38: P1 is terminated.
    P1 Release* P3 Ready P5 Ready P7 Blocked/Suspend P8 Blocked
    Keyboard queue: P8
    Printer queue: P7
     At time 40: An interrupt occurred for P7.
    P1 Release P3 Ready P5 Ready P7 Ready/Suspend* P8 Blocked
    Disk queue:
    Keyboard queue: P8
    Printer queue:
    At time 44: P7 is swapped in.
    P1 Release P3 Ready P5 Ready P7 Ready* P8 Blocked
64 Disk queue:
    Keyboard queue: P8
    Printer queue:
    At time 48: An interrupt occurred for P8.
    P1 Release P3 Ready P5 Ready P7 Ready P8 Ready*
70 Disk queue:
    Keyboard queue:
    Printer queue:
```

Figure 1 and 2: Fully parsed output file based off of inp1.txt.

```
P1 Ready P2 Ready P5 Running P6 Blocked P7 New P9 Ready P11 Blocked P12 Ready P15 Blocked P20 Ready
 At time 5: Time slice for P5 expires; P9 is dispatched.
 P1 Ready P2 Ready P5 Ready* P6 Blocked P7 New P9 Running* P11 Blocked P12 Ready P15 Blocked P20 Ready
 Disk queue:
 Keyboard queue:
 Printer queue:
 At time 15: P9 requests the disk; P1 is dispatched; P15 is swapped out; P20 is swapped out.
P1 Running* P2 Ready P5 Ready P6 Blocked P7 New P9 Blocked* P11 Blocked P12 Ready P15 Blocked/Suspend P20 Ready/Suspend*
Disk aueue: P9
Keyboard queue:
Printer queue:
At time 18: An interrupt occurred for P6; P11 is swapped out.
P1 Running P2 Ready P5 Ready P6 Ready* P7 New P9 Blocked P11 Blocked/Suspend P12 Ready P15 Blocked/Suspend P20 Ready/Suspend
Keyboard queue:
Printer queue:
At time 20: An interrupt occurred for P11; P15 is swapped in.
 P1 Running P2 Ready P5 Ready P6 Ready P7 New P9 Blocked P11 Ready/Suspend* P12 Ready P15 Blocked* P20 Ready/Suspend
Disk queue: P9
Keyboard queue:
Printer queue:
At time 24: P1 requests the printer; P6 is dispatched.
P1 Blocked* P2 Ready P5 Ready P6 Running* P7 New P9 Blocked P11 Ready/Suspend P12 Ready P15 Blocked P20 Ready/Suspend
 Keyboard queue:
Printer queue: P1
 At time 28: Time slice for P6 expires; P2 is dispatched.
P1 Blocked P2 Running* P5 Ready P6 Ready* P7 New P9 Blocked P11 Ready/Suspend P12 Ready P15 Blocked P20 Ready/Suspend
Disk aueue: P9
 Keyboard queue:
Printer queue: P1
At time 33: P2 is terminated; An interrupt occurred for P9.
P1 Blocked P2 Release* P5 Ready P6 Ready P7 New P9 Ready* P11 Ready/Suspend P12 Ready P15 Blocked P20 Ready/Suspend
Keyboard queue:
Printer queue: P1
At time 36: P11 is swapped in; P5 is terminated; P6 is dispatched.
 P1 Blocked P2 Release P5 Release* P6 Running* P7 New P9 Ready P11 Ready* P12 Ready P15 Blocked P20 Ready/Suspend
 Disk queue:
 Keyboard queue:
 Printer queue: P1
```

Figure 3: Fully parsed output file based off inp2.txt.