23.9. TOP OPTIONS



Exercise 23.2 Monitoring Process States

- 1. Use **dd** to start a background process which reads from /dev/urandom and writes to /dev/null.
- 2. Check the process state. What should it be?
- 3. Bring the process to the foreground using the fg command. Then hit Ctrl-Z. What does this do? Look at the process state again, what is it?
- 4. Run the jobs program. What does it tell you?
- 5. Bring the job back to the foreground, then terminate it using kill from another window.

Solution 23.2

```
1. $ dd if=/dev/urandom of=/dev/null &
```

```
2. $ ps -C dd -o pid,cmd,stat
   25899 dd if=/dev/urandom of=/dev/ R
```

Should be S or R.

```
3. $ fg
$ ^Z
$ ps -C dd -o pid,cmd,stat
PID CMD STAT
25899 dd if=/dev/urandom of=/dev/ T
```

State should be T.

4. Type the **jobs** command. What does it tell you?

5. Bring the job back to the foreground, then kill it using the kill command from another window.

```
$ fg
$ kill 25899
```

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