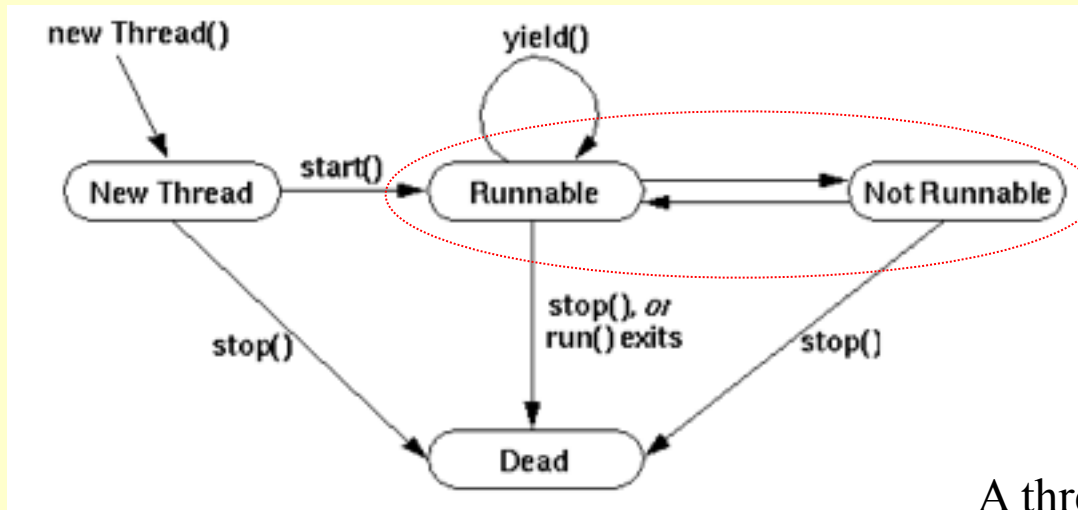


# Thread State Machine: an abstraction of the complete diagram



A thread enters the "Not Runnable" state when:

- `sleep()` is called.
- `suspend()` is called.
- The thread uses its `wait()` method to wait on a condition variable.
- The thread is blocking on I/O.

A thread leaves the "Not Runnable" state when a matching condition is met:

- `sleep()` is completed.
- `resume()` is called
- object owning the variable calls `notify()` or `notifyAll()`
- I/O completes