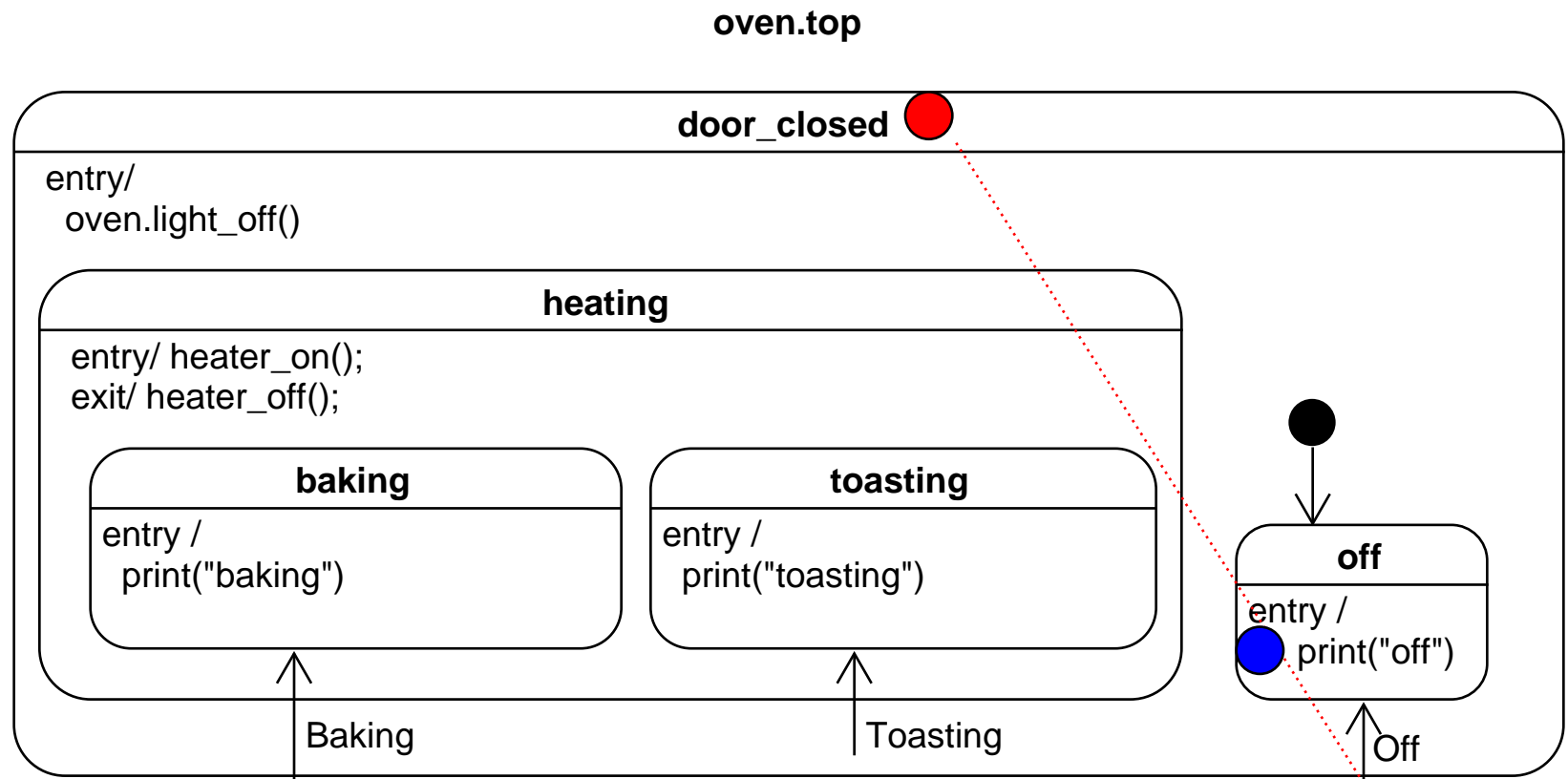


Top view of the HSM (UML)

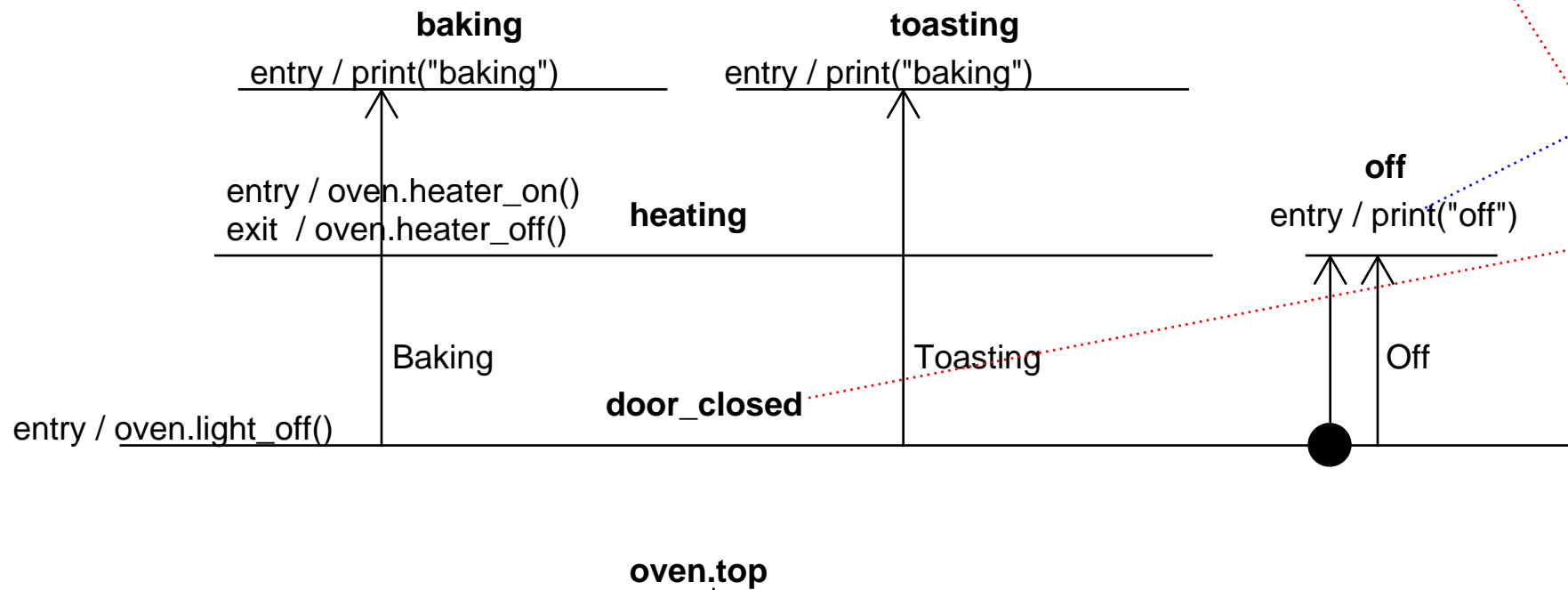


For states within other states the `oven.temp.fun` need to point to their parent state (superstate or lower terrace when viewed from the side)

Trace your eye around the state boundary. You should have code for all events with their arrows starting on this boundary

Then look for hooks, entry, exit and init events

Side view of the HSM (not UML)



```
def off(oven, e):
    status = return_status.UNHANDLED
    if(e.signal == signals.ENTRY_SIGNAL):
        print("off")
        status = return_status.HANDLED
    else:
        oven.temp.fun = door_closed
        status = return_status.SUPER
    return status
```

Just use the lower state in the side view diagram

When looking at the side view, the `oven.top` looks like the bottom