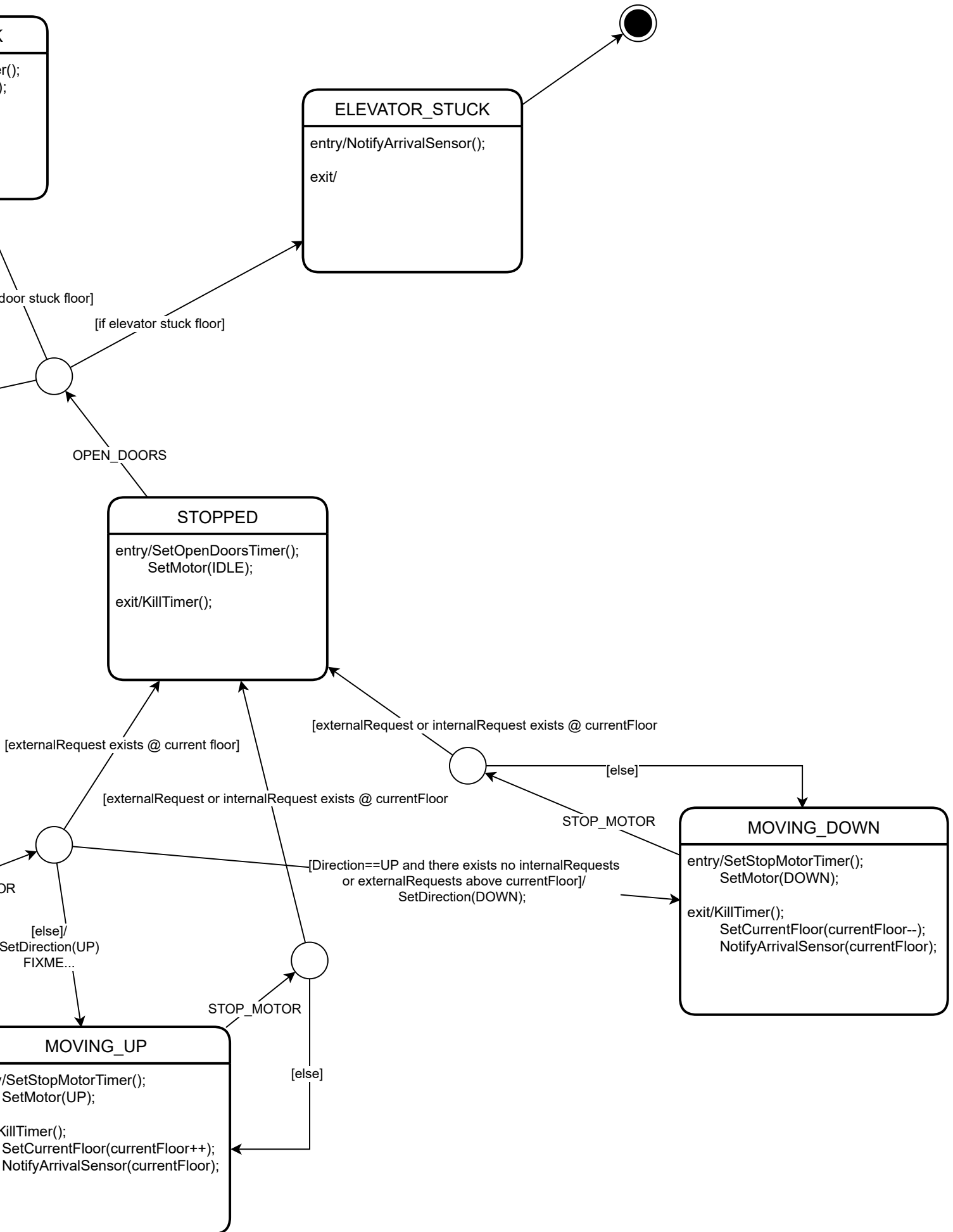
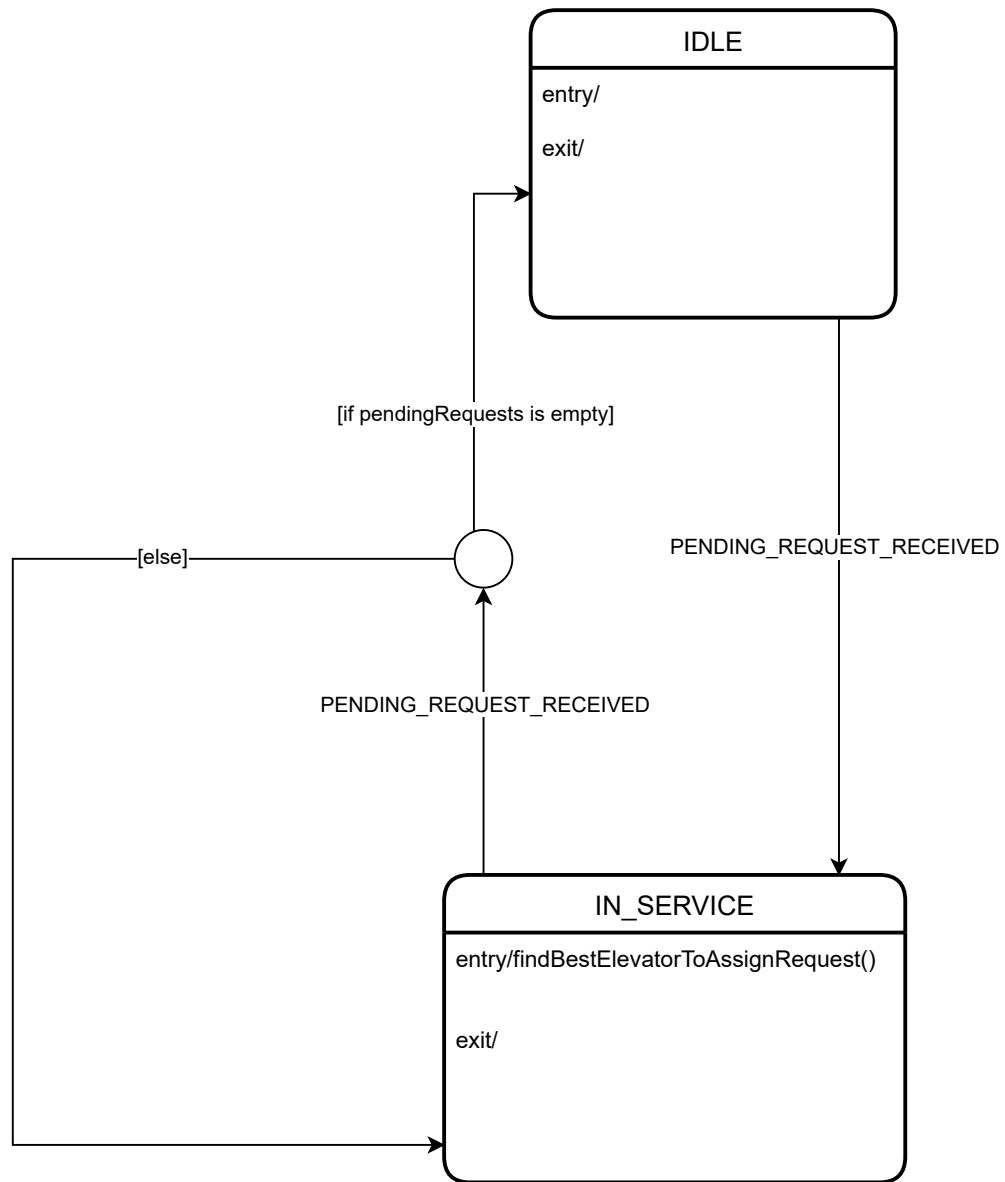


@ elevator stuck state, "refund" the remaining external requests back to the scheduler (as if the floor sent it to them)





class SchedulerContext:

```

onPendingRequestReceived():
    // lock behaviour
    pendingReqState.handleRequestReceived()
onCompletedRequestReceived():
    // lock behaviour
    completedReqState.handleRequestReceived()
  
```

class InServiceState:

```

constructor()
    findBestElevatorToAssignRequest()
handleRequestReceived()
    return this;
handleRequestSent()
    if not pending is not empty:
        return new InServiceState()
    return new IdleState()
  
```

