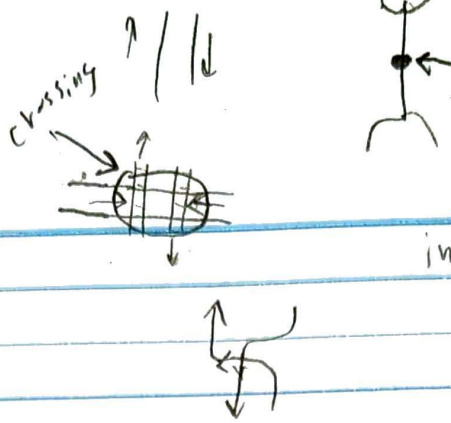


FSM



invariant: if multiple signals are received at the same time, they will be queued up and processed one at a time.

- only one train at a time from each direction

train-spotted stays active until train-left deactivates

inputs

North-spotted

North-left

South-spotted

South-left

outputs

Alarm

Barrier

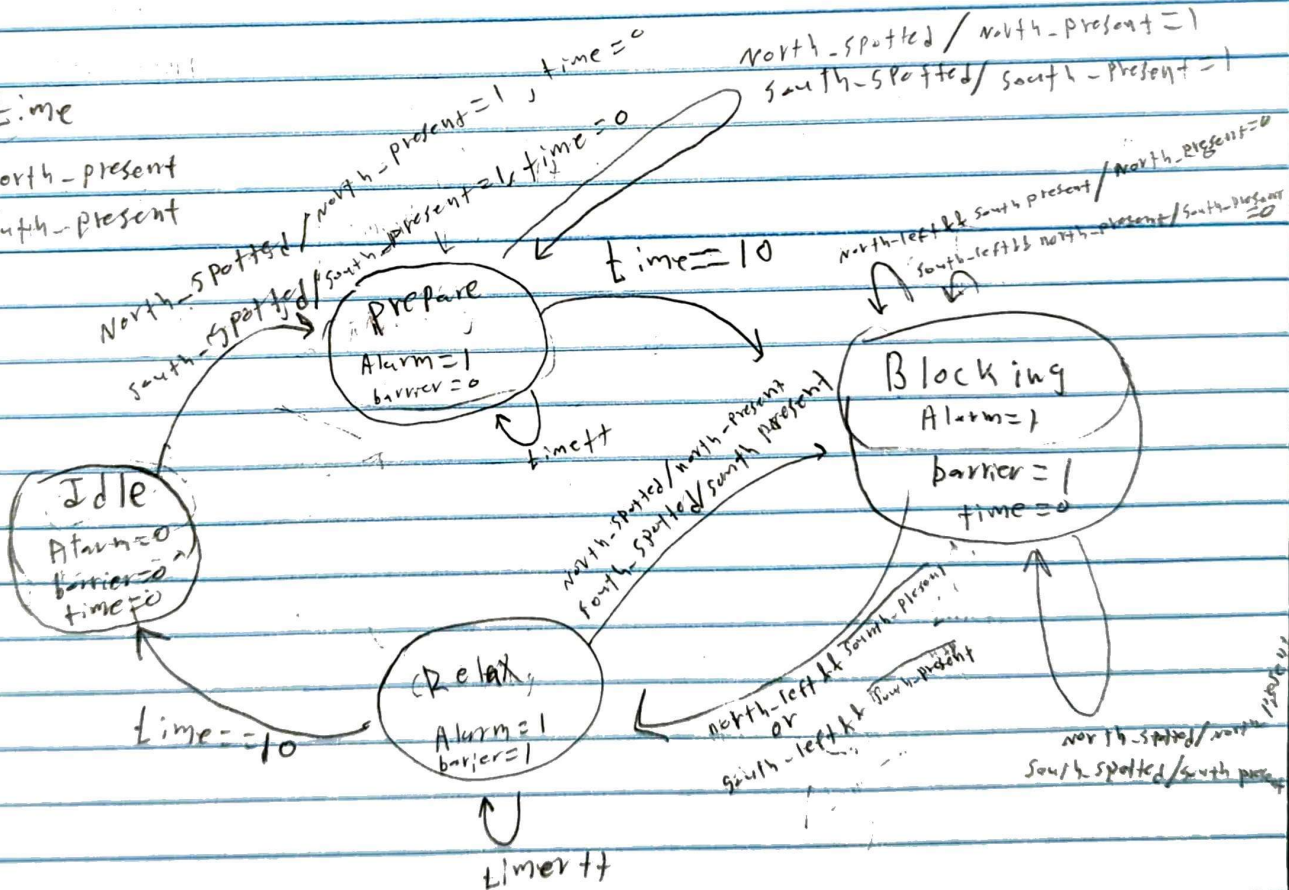
Variables

time

North-present

South-present

states



a → b

b → a