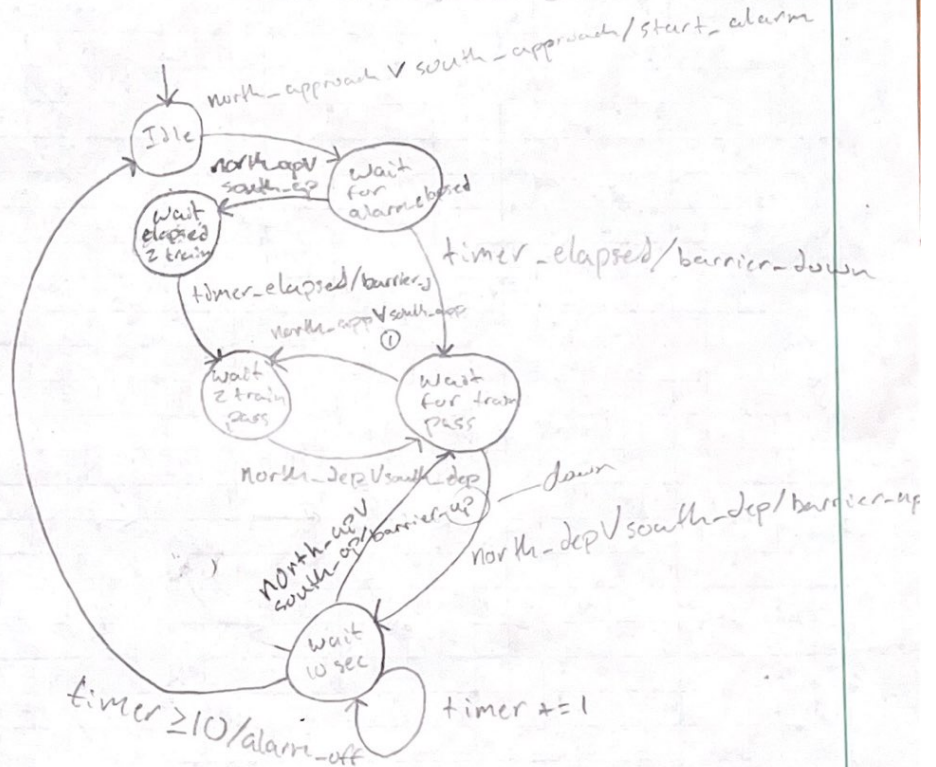


Inputs: north-approach
south-approach
north-depart
south-depart
timer-elapsed

- alarm start
- 10s then barrier down
- alarm continue & barrier down while train present
- no train then barrier up
- after 10s alarm off



Counter example

- ① if NBAVSBA 2 times the system will fault (barriers need stay in barrier down)
 - ② if a train pass approach rec-in the [wait 10 sec (states)] needs to go to [wait for alarm-elapsed (state)]
- power (assumption)