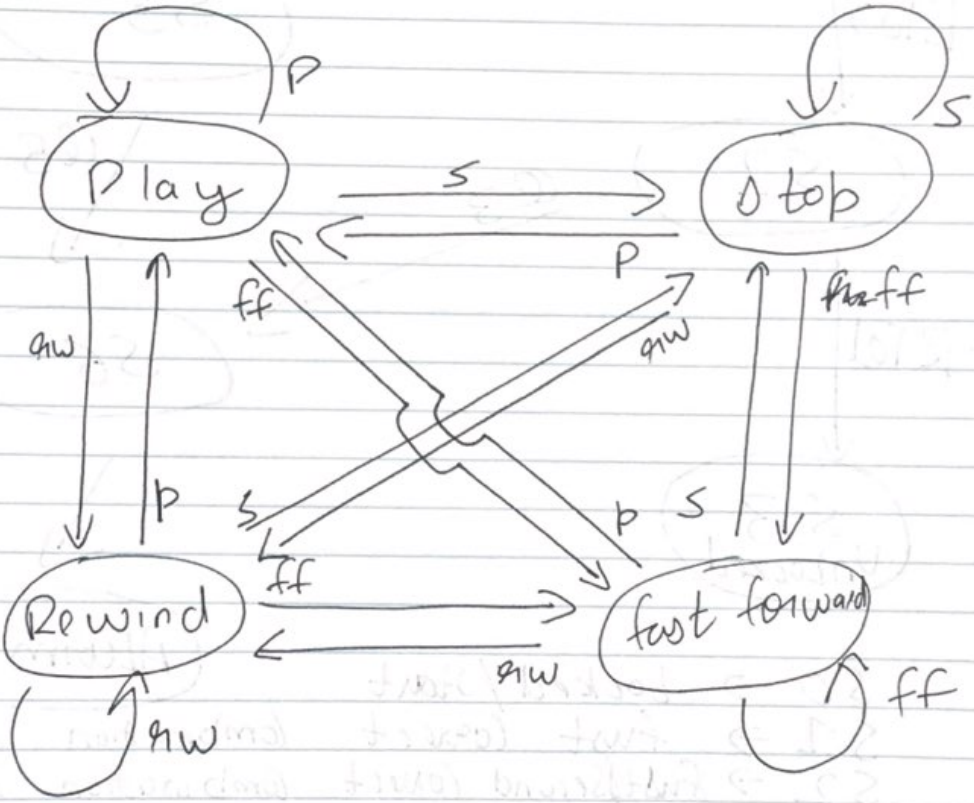
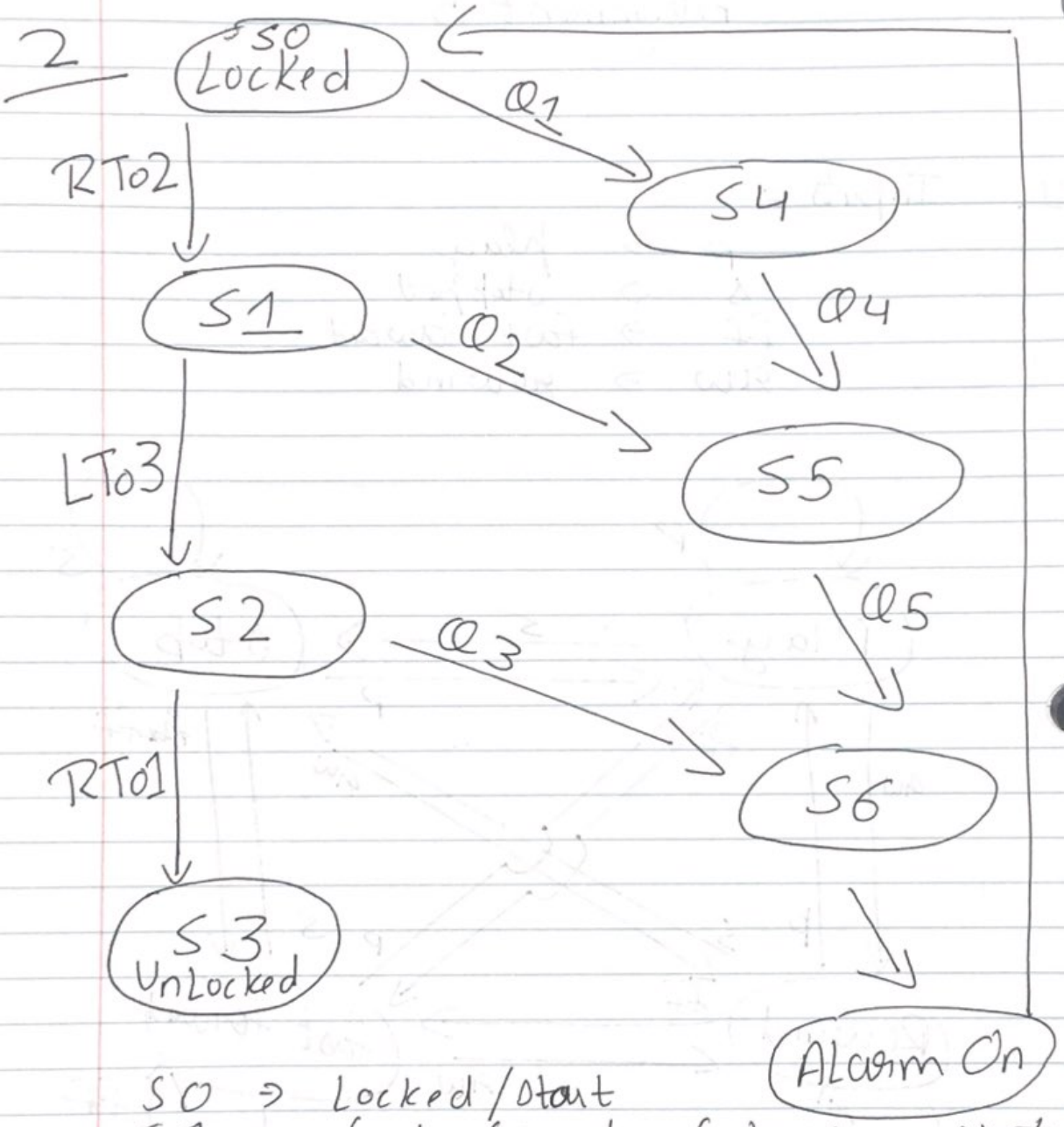
Assignment 5

1 Inputs =

p → play
s → stopped
ff → fast forward
rw → rewind



2



S0 ⇒ Locked / Start
S1 ⇒ fust Correct Combination State
S2 ⇒ fust/Second Correct Combination state
S3 ⇒ UnLocked after all the Correct Combinations

S4 ⇒ fust Incorrect State
S5 -> fust and Second Incorrect State
S6 ⇒ All 3 Combinations are Incorrect

Set Q = { LTO1, LTO2, LTO3, RTO1, RTO2, RTO3 }

Q1 → RTO2 \ {Q}

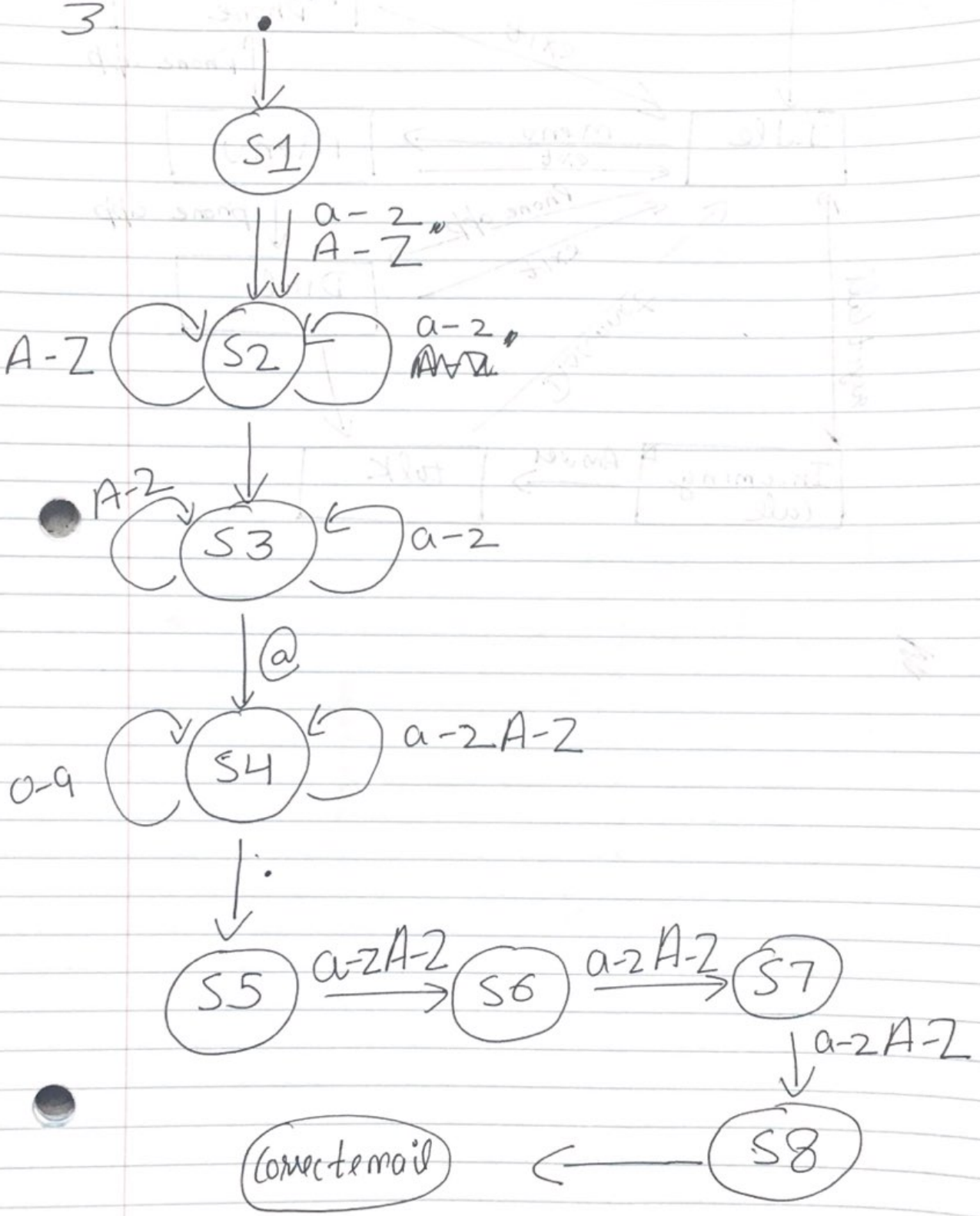
Q4 → {Q}

Q5 → {Q}

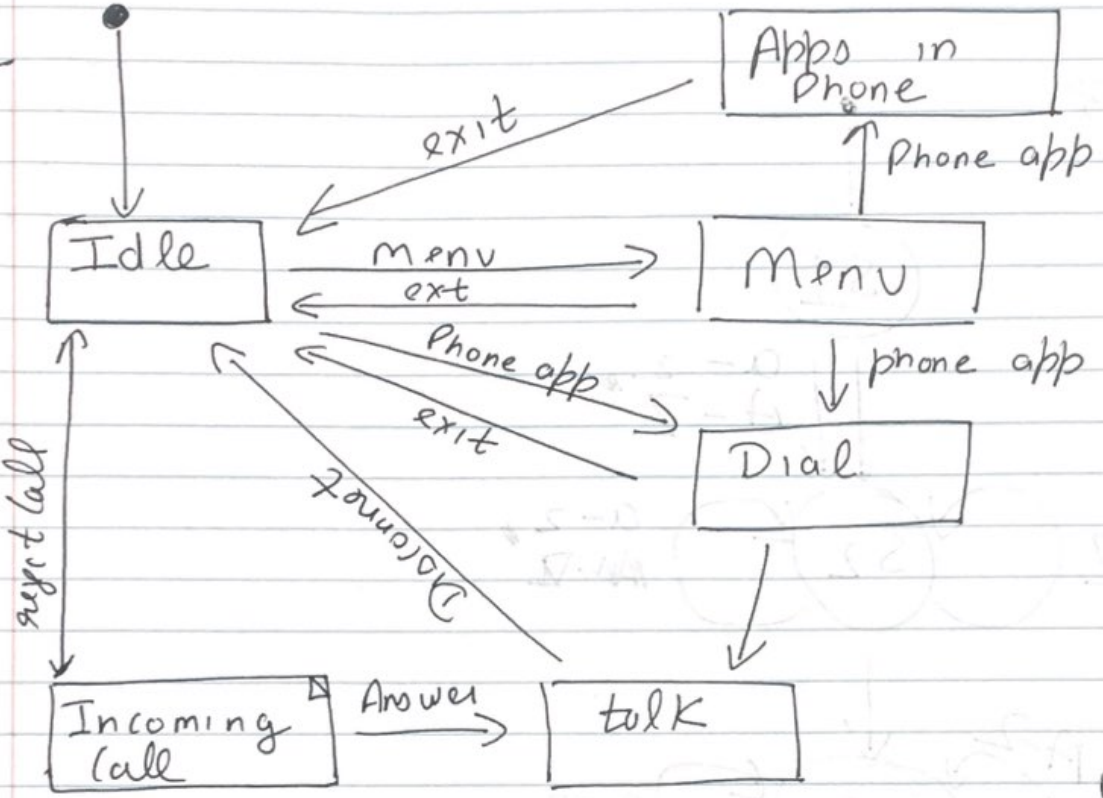
Q2 → LTO3 \ {Q}

Q3 → RTO1 \ {Q}

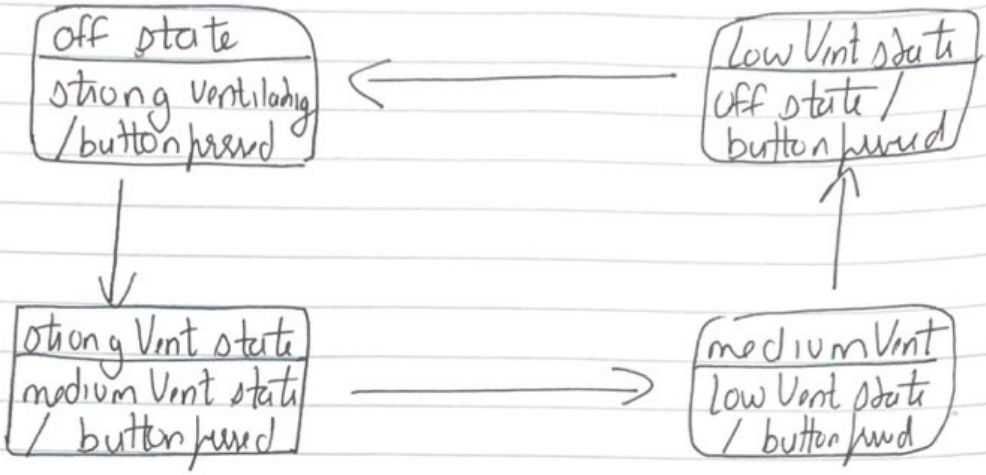
3.


S1
a-z
A-Z
A-Z
S2
a-z
A-Z
S3
a-z
@
S4
a-z A-Z
0-9
S5
a-z A-Z
S6
a-z A-Z
S7
a-z A-Z
S8
Correct email

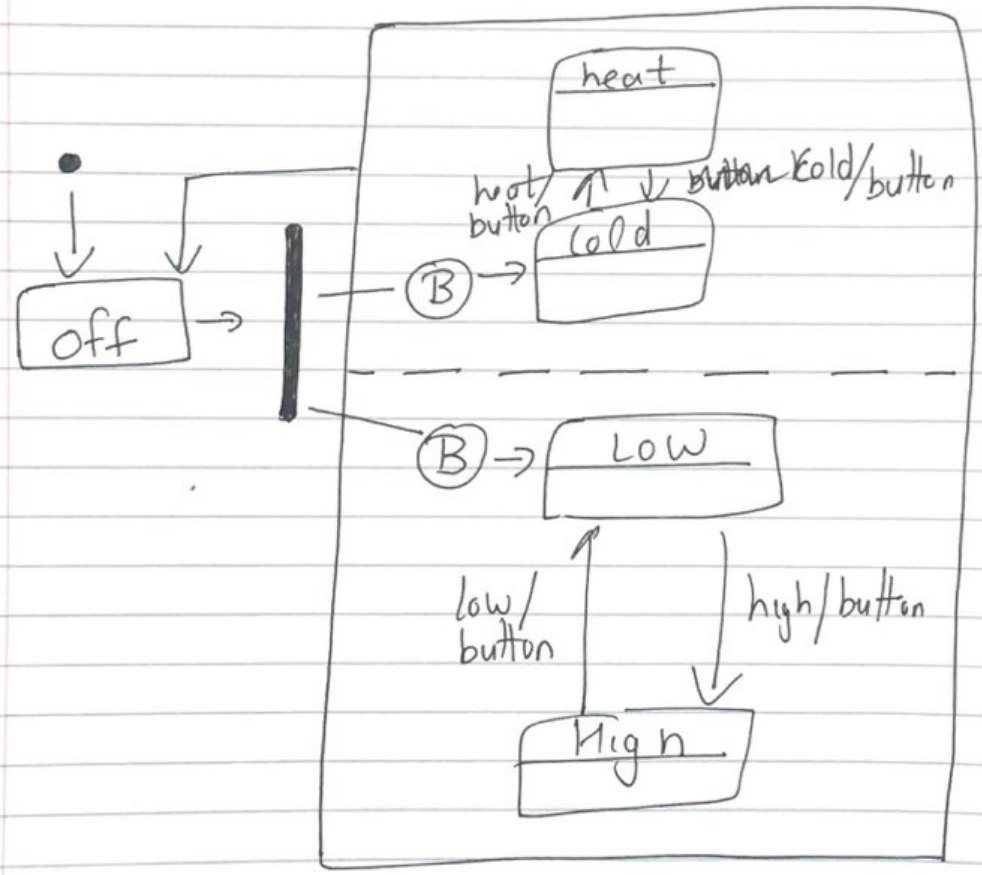
4


Apps in Phone
exit
Phone app
Idle
menu
ext
Menu
Phone app
exit
phone app
Dial
start call
Disconnect
Incoming call
Answer
talk

5


off state
strong ventilating / button pressed
Low Vint state
off state / button pressed
strong Vent state
medium Vent state / button pressed
medium Vent
Low Vent state / button pressed

6


heat
hot/ button
cold/ button
cold
off
B
B
LOW
low/ button
high/ button
High