Color Sorting

non-emergency

conveyor belt
DC1 : on
DC2 : on

idle

Condition 1
and
Condition4

[after counter]

Red Blue
Entry /
servo
1 :on
counter = 3sec

after timer

[condition 2 and condition 5]

[condition 3 and condition6]

after (counter)

green
Entry /
servo2 :on
counter : 3sec

Red
Entry /
servo3 :on
counter :

off

on

Power
Entry /
DC1 : off
DC2 : off
servo1 : off
servo2 : off
servo3 : off

Emergency
DC1 : off
DC2 : off
servo1 : off
servo2 : off
servo3 : off
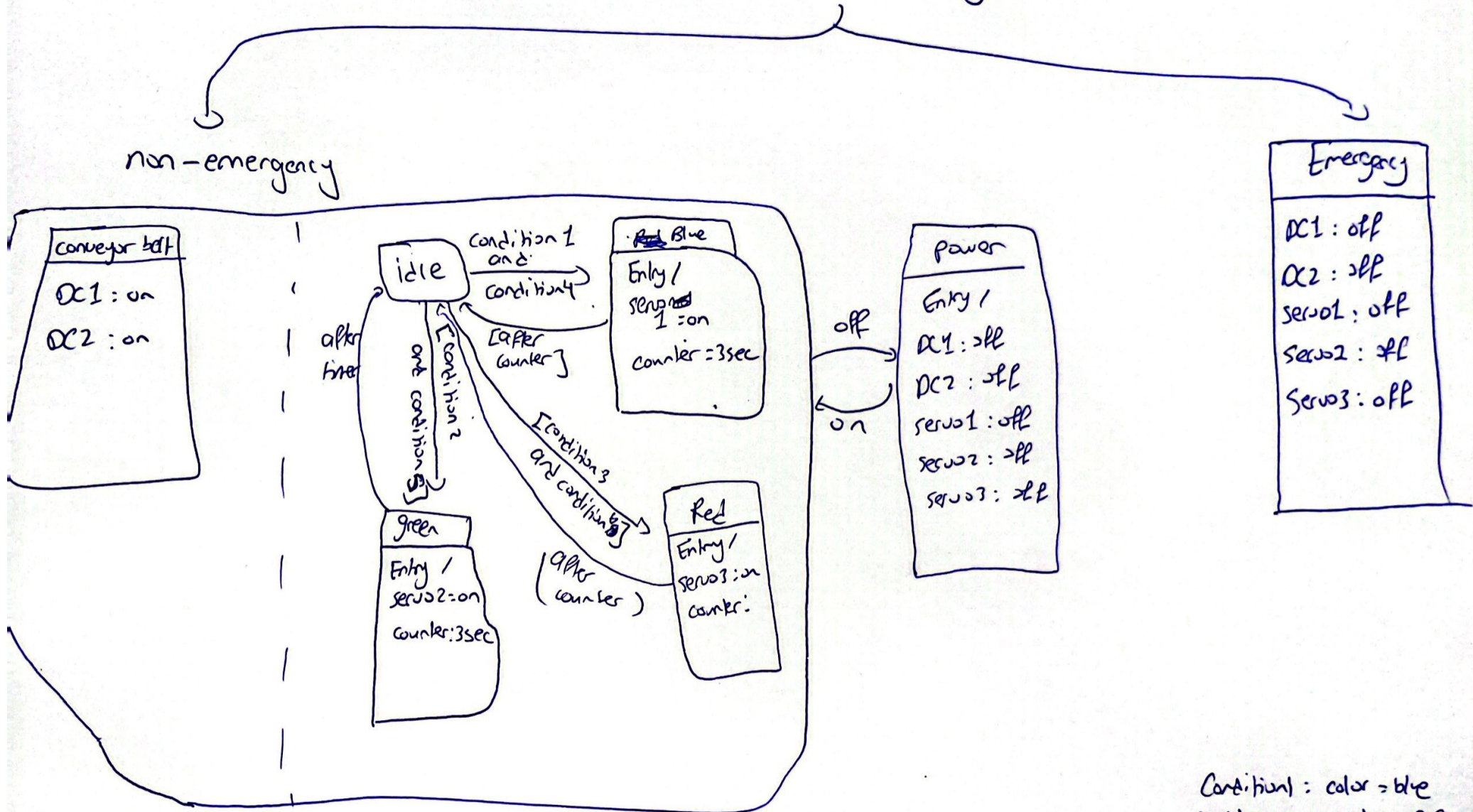
Condition1 : color = blue
condition 2 : color = green
Condition 3 : color = red
Condition 4 : 2< distance<3
Condition 5 : 3< distance <4
Condition 6 : 4 < distance<
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