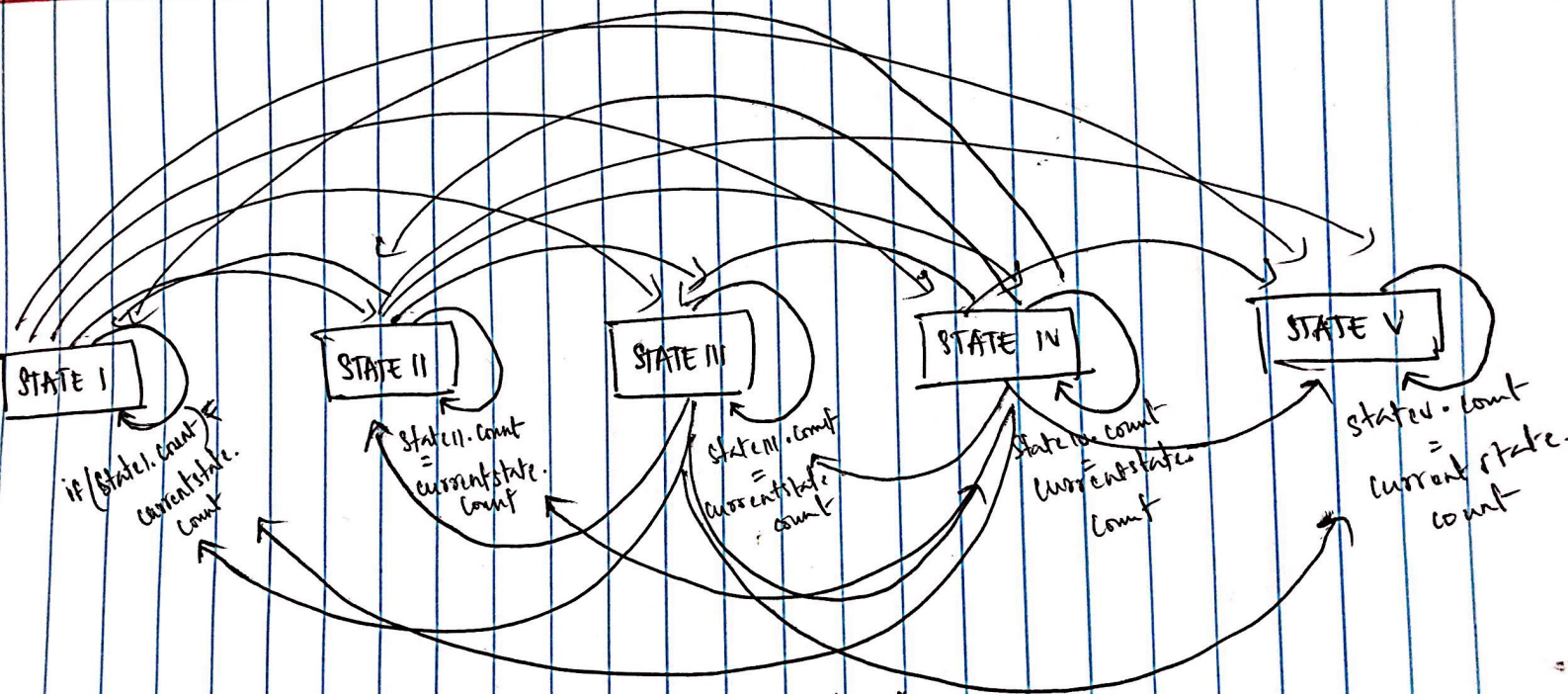


STATE DIAGRAM - STATE-II



All the state change occurs when
 then $\text{state.count} > \text{currentstate.count}$

↓
 can be state I, state II, state III, state IV, state V

else they remain in the same state.