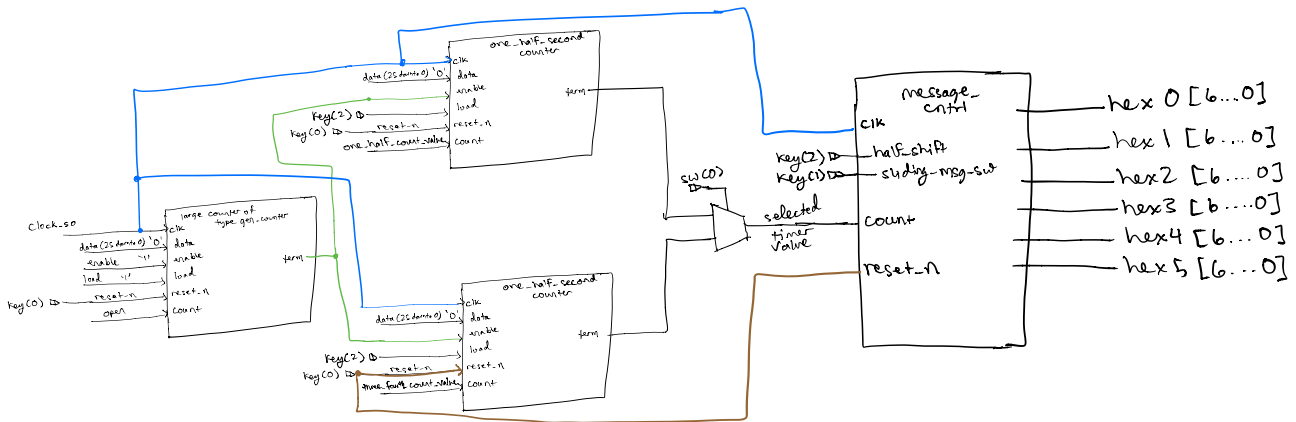
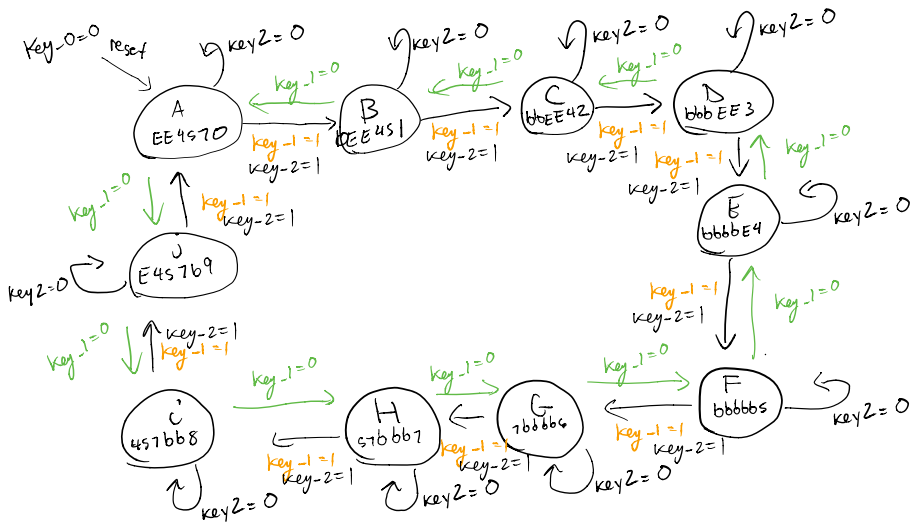


Block diagram



State Diagram



When $sw(1) = 1$ output message "dude's" follows the same state diagram
When $sw(0) = 1$ speed changes to 0.5 seconds.