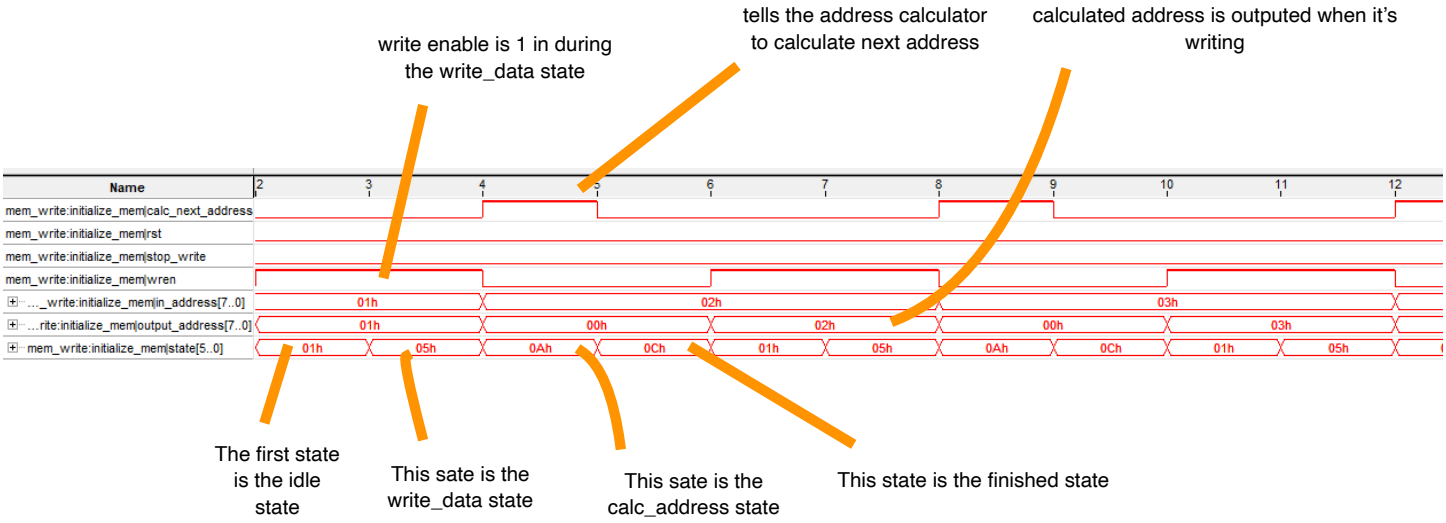
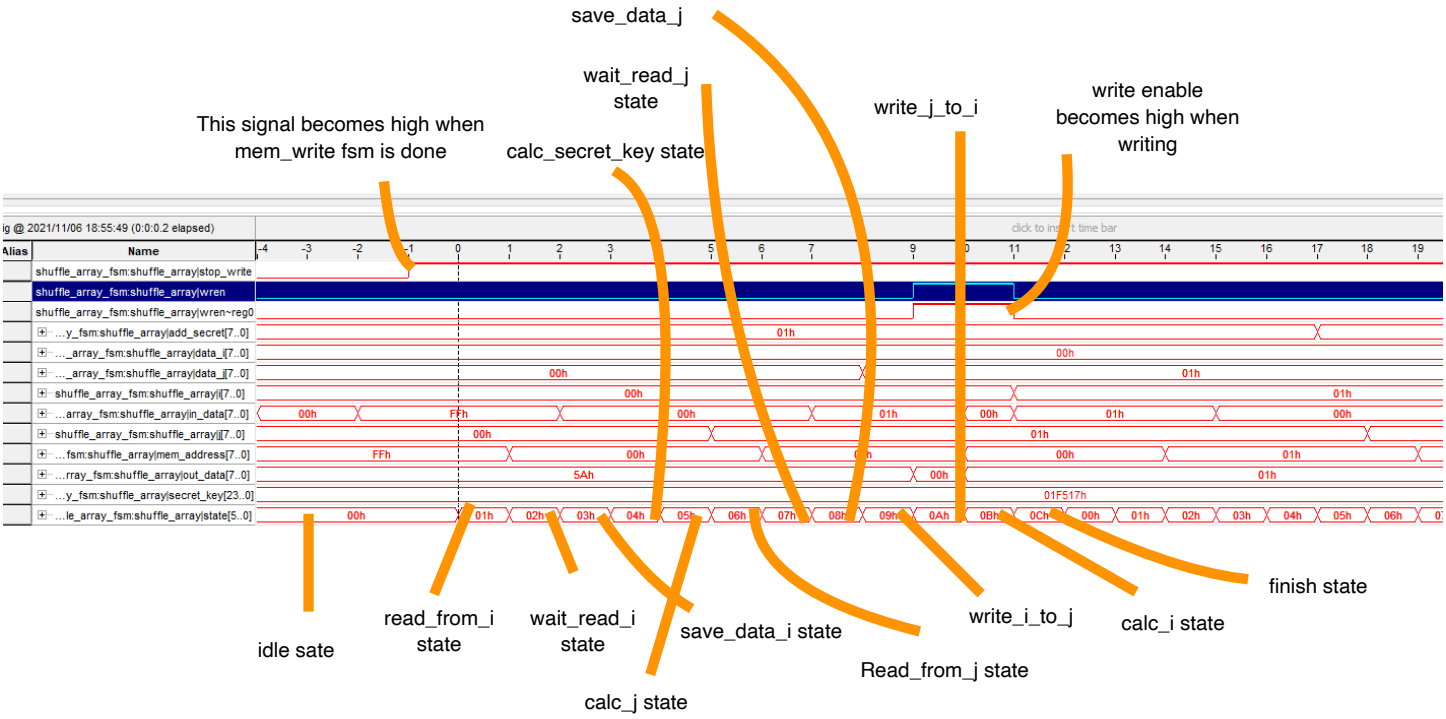
# Mem write fsm

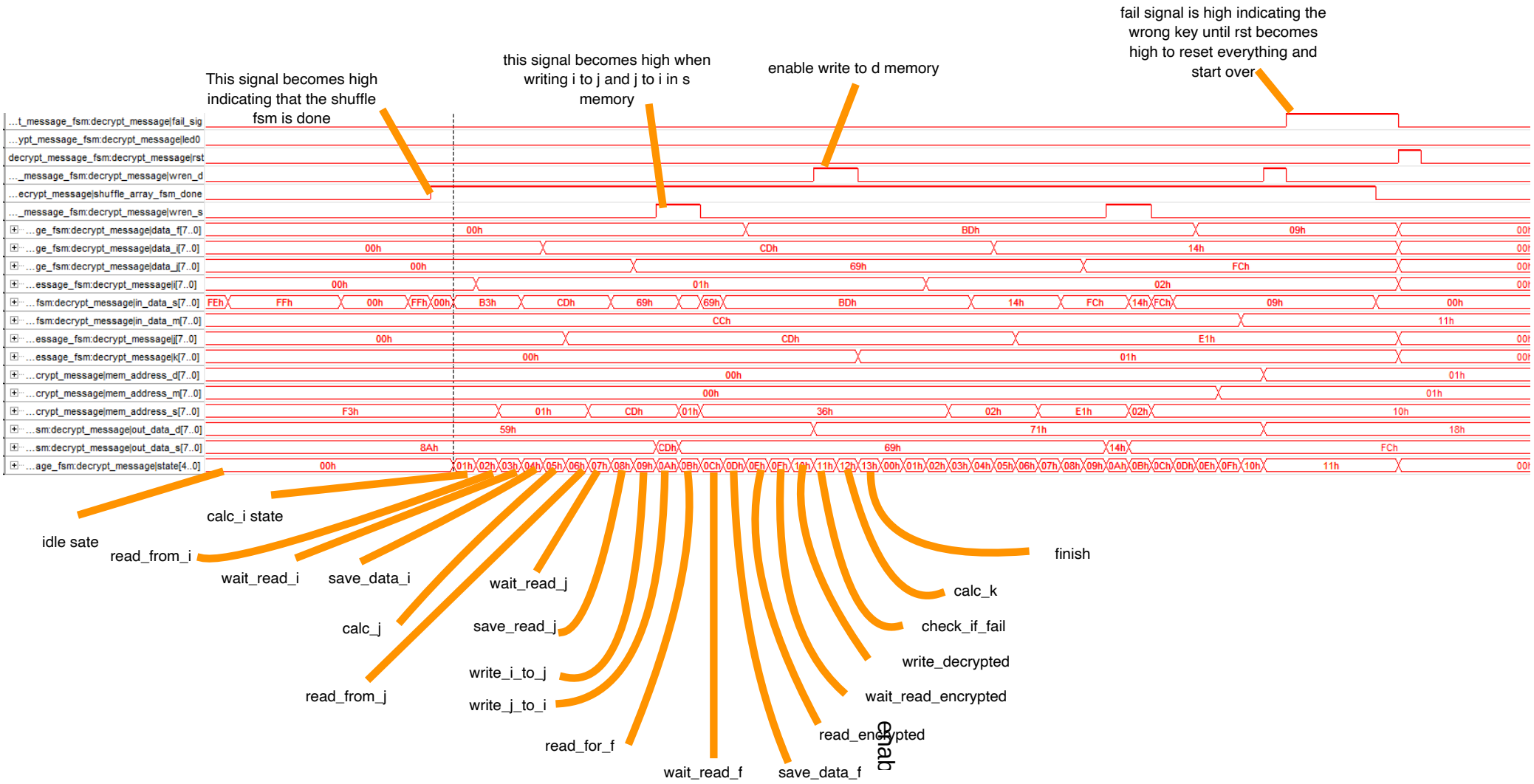
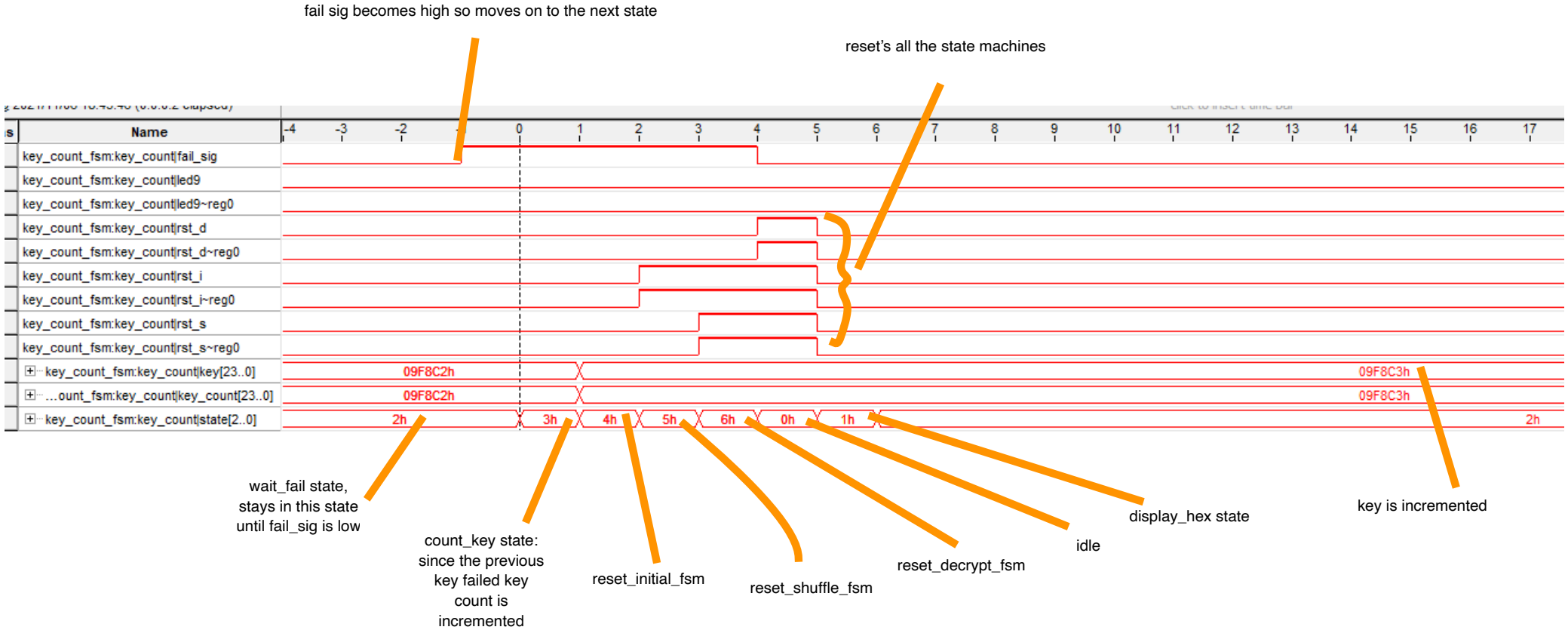


wait_read_j

shuffle fsm



# decrypt message fsm



# key count fsm