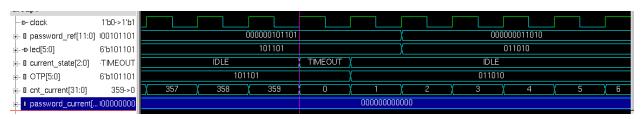
#### Simulation Results

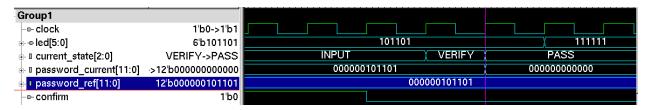
#### TimeOut test

The clock is 6Hz, so 360 cycles = 60s

If no inputs after 60s, the OTP is updated

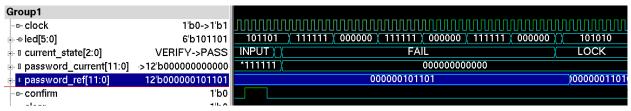


### Correct Password test

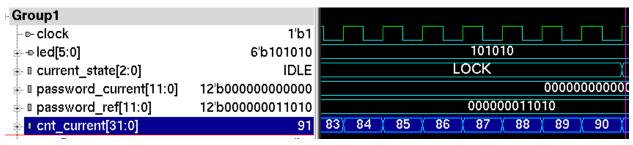


# Wrong Password tests

# (1) The first failure

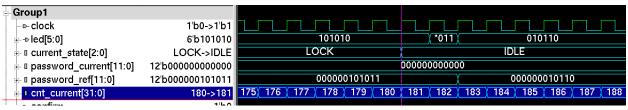


In the FAIL state, the LED is flashing



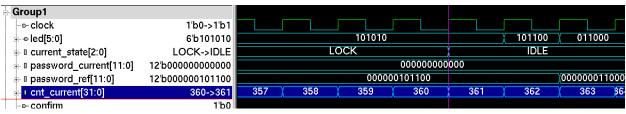
The lock time is 90 cycles, 15s

## (2) The second failure



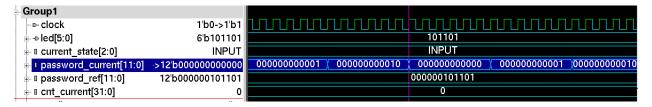
The lock time is 180 cycles = 30 s

## (3) The third time



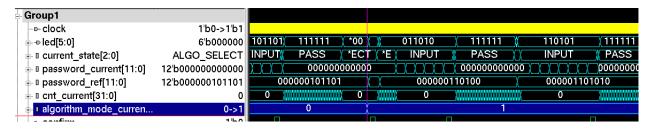
The lock time is 360 cycles = 60 s

### Clear function test

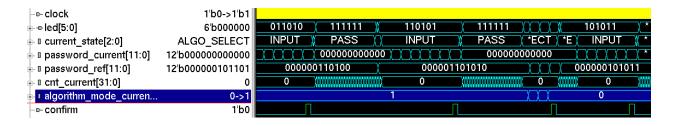


The password current is cleared

### The algorithm selection mode tests



The algorithm mode is changed to 1. And the password should be the twice as the OTP. OTP is 110101. The password is 1101010.



The algorithm mode is changed back to 0. And the password should be equal to OTP. OTP is 101011. The password is 101011.