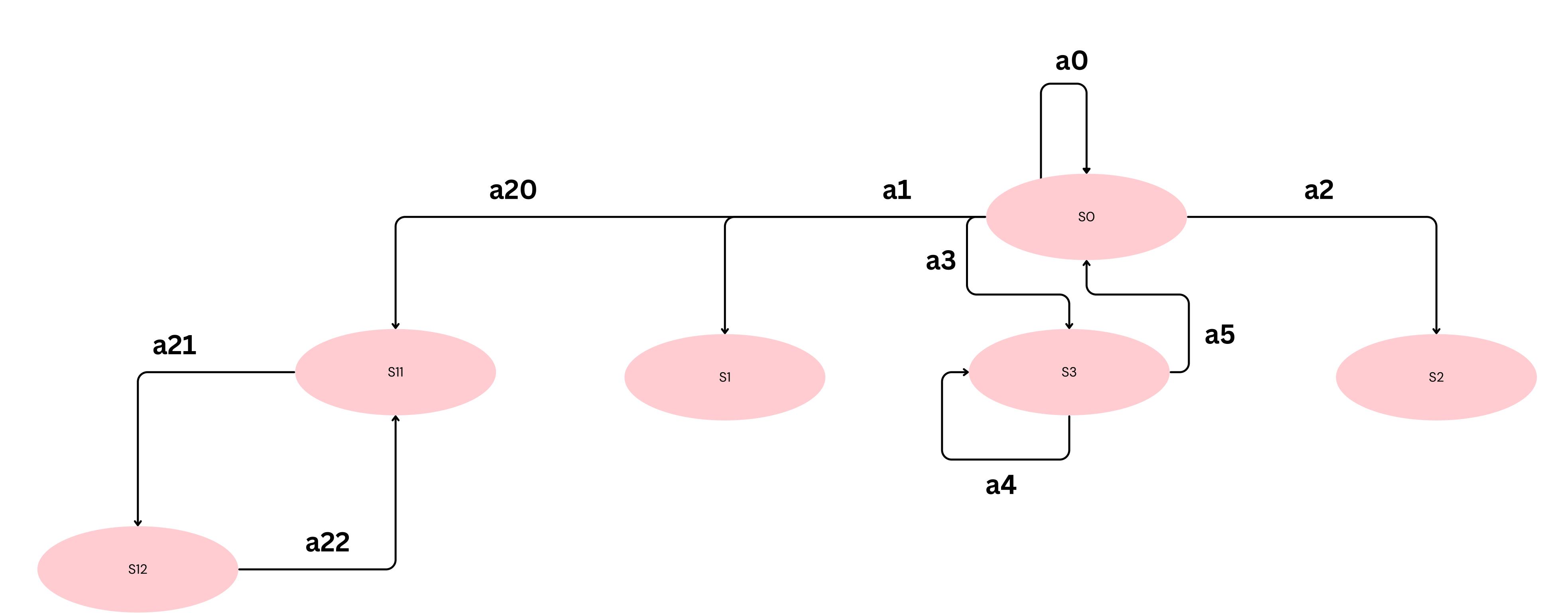
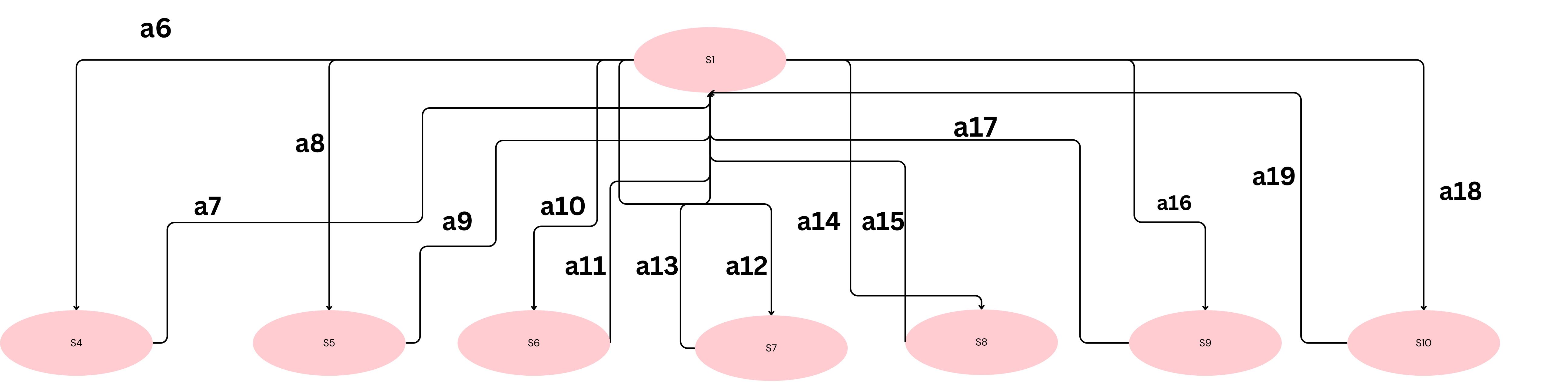
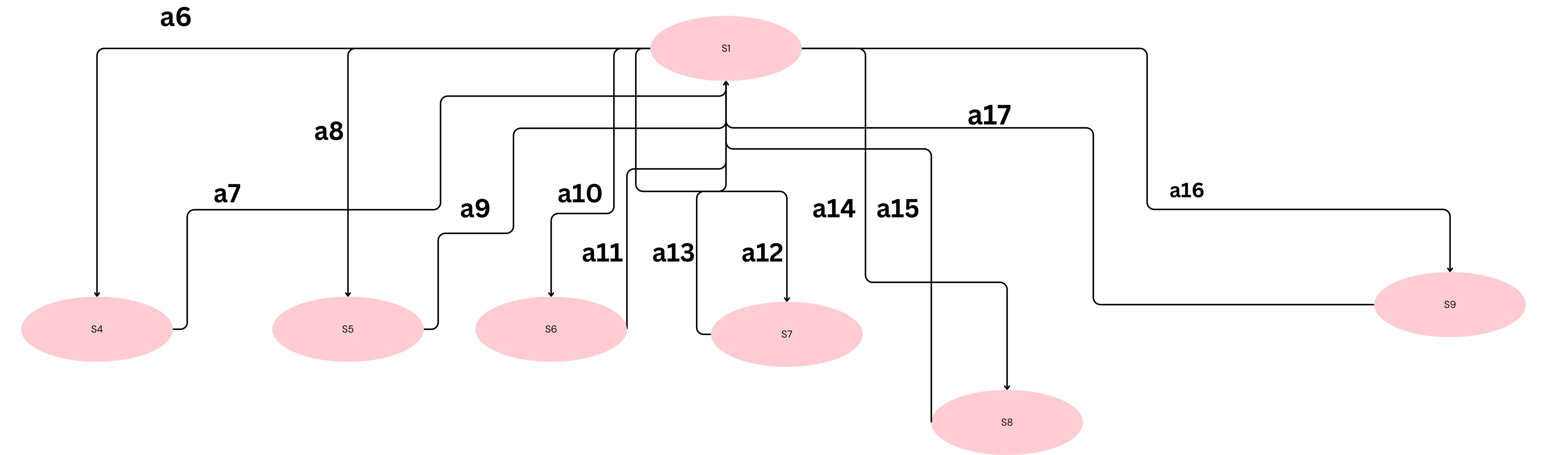
State Machine







States Description

- SO: Enter Password (Admin\User)
- **S1**: Correct Password (<u>Admin mode</u>)
- **S2:** Correct Password (<u>User mode</u>)
- **S3:** Buzzer On (<u>after 3 wrong password</u> entries)
- S4: LED1
- S5: LED2
- S6: LED3
- S7: LED4
- S8: LED5
- S9: DIMMER
- S10: DOOR
- S11: AC
- a0: Enter password, as long as the user/admin didn't enter the password wrong 3 times
- a1: Correct admin password
- a2: Correct user password
- **a3:** Count = 3
- a4: Button is not pressed
- a5: Restart Button pressed
- a6: LED1 ON
- a7: LED1 OFF
- a8: LED2 ON
- a9: LED2 OFF
- a10: LED3 ON
- a11:LED3 OFF
- a12: LED4 ON
- a13: LED4 OFFa14: LED5 ON
- a15: LED5 OFF
- a16: DIMMER ON WITH THE RESPECTIVE VOLTAGE
- a17: DIMMER OFF
- a18: OPEN DOOR
- a19: CLOSE DOOR
- a20: AC TEMP SENSOR ON
- a21: TEMP>=28
- a22: TEMP < 28