<u>Inputs</u>

- buttPress
    - buttPress=1 as button is released
    - buttPress=0 otherwise

<u>Outputs</u>

- timer
    - A millisecond timer
    - timer=0 to reset

START

[Print entry message]

S0
Power Up

[buttPress=1 / timer=0,
print('Square Wave')]

{switch to square
wave pattern}

[buttPress=1 / timer=0,
print('Square Wave')]

{switch to saw wave pattern}

S3
Saw Wave

S1
Square Wave

[Keyboard Interrupt]

[Keyboard
Interrupt]

S4
Power Off

{turn off lights}

[buttPress=1 / timer=0,
print('Sine Wave')]

[Keyboard Interrupt]

[buttPress=1 / timer=0,
print('Saw Wave')]

S2
Sine Wave

{switch to sine
wave pattern}