Main loop code

Sensor stays activated all day to sense darkness and daylight and will work when darkness level is detected.

**Light levels**:

-Darkness level-specific #(figure out)

-Day light level-specific #(figure out)

**Led representations**:

-Red led represents front door

-Blue led represents back door

-White led represent windows

-yellow led represent Garage door(s)

-orange led represents Car doors

-green led represents Side door

If darkness Level is less than 100 then darkness has been detected. Perform the following actions:

a)lock front door(red led is lit)

b)lock back door(Blue led is lit)

c)lock windows(white leds are lit)

d)lock garage door(s)(yellow led is lit)

e)lock car doors(orange led is lit)

f)lock side doors(green led is lit)

**Actions:**

if its daylight then light has been detected. Perform the following actions:

1. Unlock windows until locked by person or until darkness is detected(white led is not lit)
2. Unlock garage doors until locked by person or until darkness is detected (yellow led is not lit)
3. Unlock front door until locked by person or until darkness is detected(red led is not lit)
4. Unlock back door until locked by person or until darkness is detected(blue led is not lit)
5. Unlock side door until locked by person or until darkness is detected (green led is not lit)
6. Car doors stay locked until unlocked by person.(orange led is not lit)

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Blue led represents back door

White led represent windows

yellow led represent Garage door(s)

orange led represents Car doors

green led represents Side door