

HW1: PLC “Programmable Logic Controllers” EE446

An underground garage is equipped with four fans. A light at the entrance/exit shows the state of the garage’s ventilation, and thus regulates incoming/outgoing vehicles:

- Green: when three or four fans are operating, ventilation is adequate and the light is to show green.
- Yellow: when only two fans are operating, ventilation is adequate and the light is to show yellow.
- Red: when only one fan is operating, ventilation is no longer adequate and the light is to show red.

