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Algorithm

1. Switch on the system.

2. Press Reset.

3. Check whether the switch is on, if on, go to step 9.

4. If room temperature is low and light is off, check whether the curtain is already closed, if not, then close the curtains.

5. If room temperature is low and light is on, check whether the curtain is already closed, if not, then close the curtains.

6. If room temperature is high and light is off, check whether the curtain is already closed, if not, then close the curtains.

7. If room temperature is high and light is high, check whether the curtain is already opened, if not, then open the curtains.

8. Go to step 11.

9. If the curtain is open, then close it.

10. If the curtain is close, then open it.

11. Repeat step 3.