Exercise 2\_More LEDs

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**Traffic light**

Et billede, der indeholder tekst, skærmbillede, Font/skrifttype, dokument

Automatisk genereret beskrivelse

From serial monitor

Et billede, der indeholder tekst, værktøj, design, messing

Automatisk genereret beskrivelse

The program runs a traffic light sequence, where the light shifts between 2s RED to 1s YELLOW and then 2s GREEN.

**Binary Counter**

Et billede, der indeholder tekst, skærmbillede, nummer/tal, Font/skrifttype

Automatisk genereret beskrivelse

From serial monitor

Et billede, der indeholder tekst

Automatisk genereret beskrivelse

Questions

* 2a: You should be used to the normal arithmetic operators + - \* / , but do you know this operator: %? What is 42 % 5?

The operator gives the remainder after division.

42 % 5 = 2

* 2b: What can you use the %-operator for in this exercise?

In this exercise the %-operator can be used to control which light turns on when. The third light representing only turns on when 7 % 4 > 3, the second light when 7 % 2 > 1 and the first light , when 7 % 1 > 0.