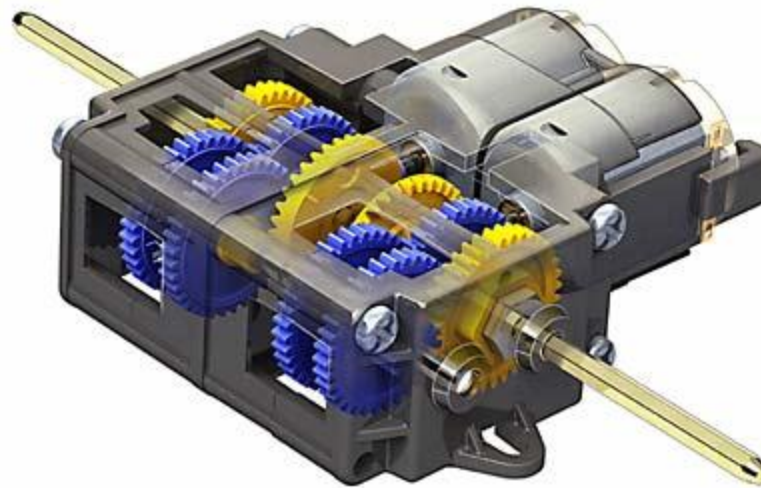




Moteurs et pont-H

Moteurs

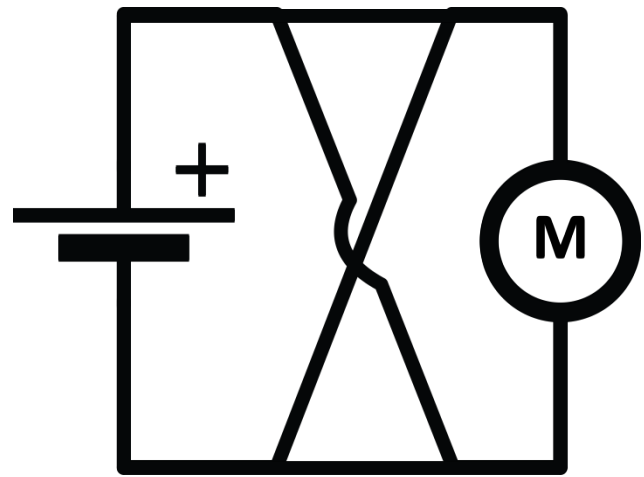


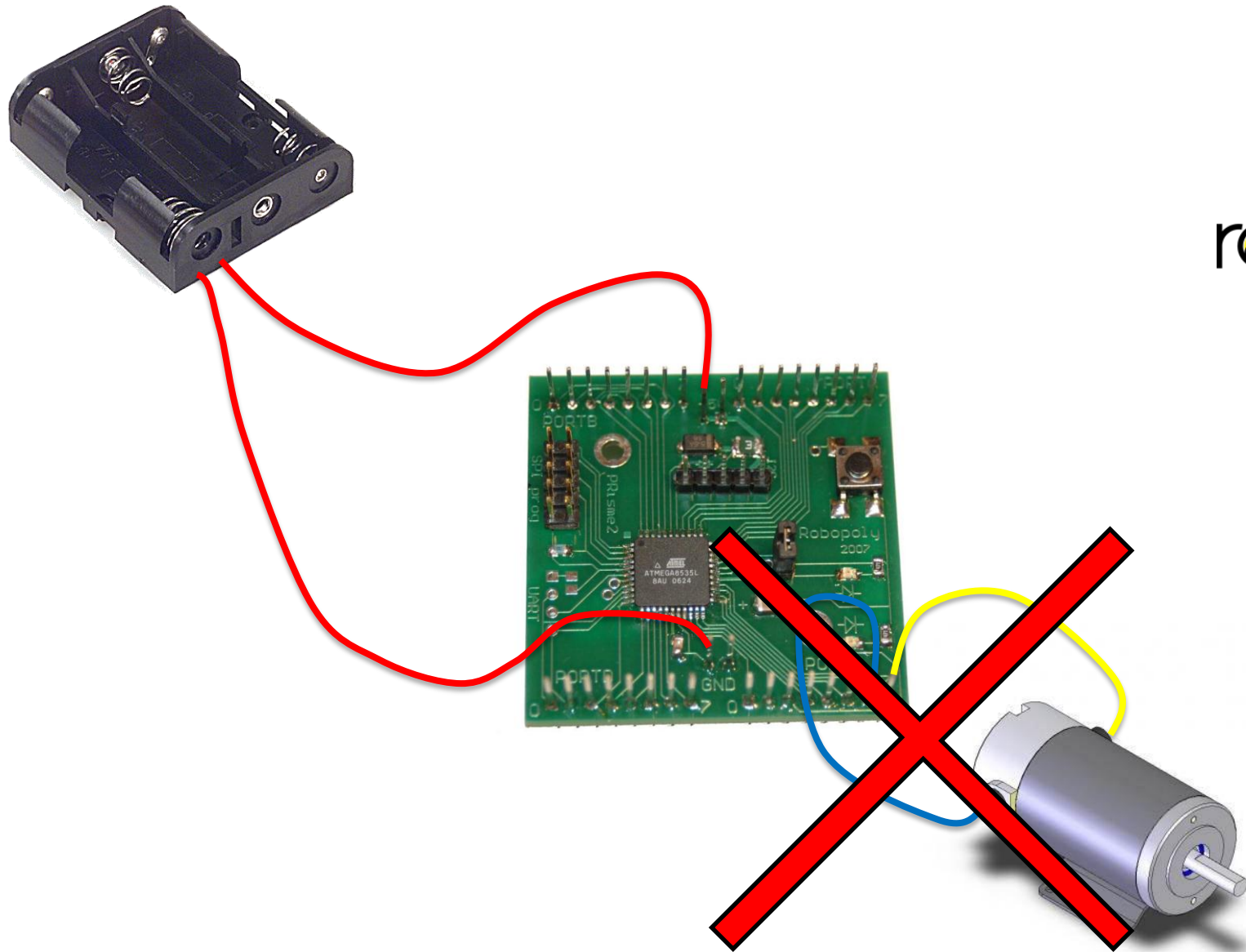


Boites de vitesse

4 configurations : A,B,C,D

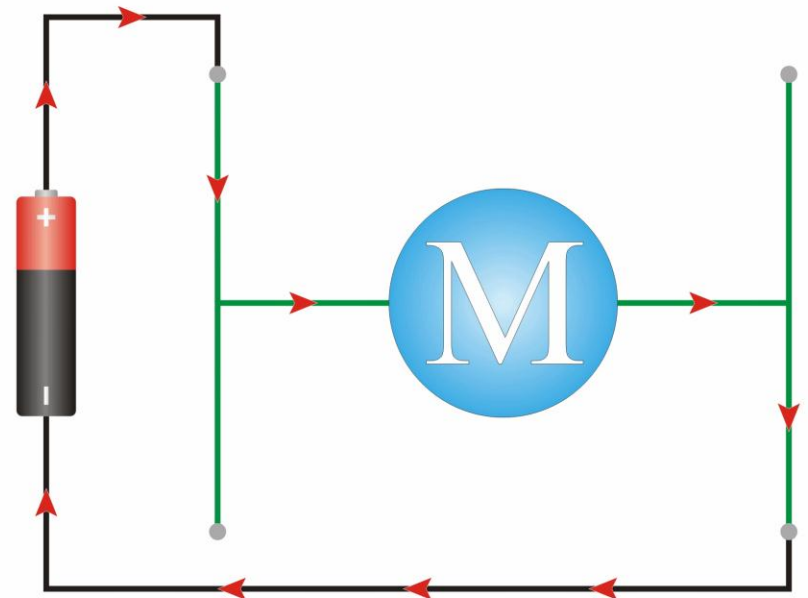
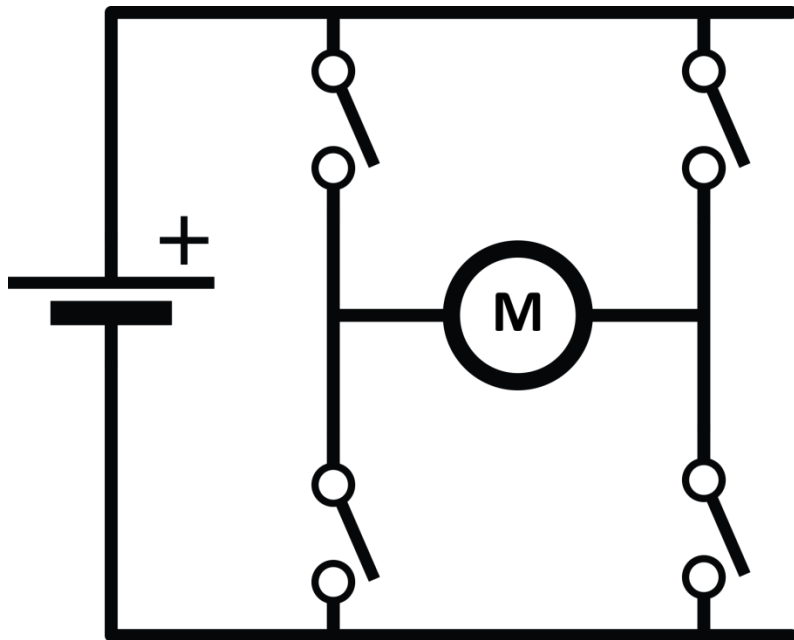
Type	Rapport de réduction	Couple	Vitesse
A	12.7 : 1	9.2 N.cm	1039 rpm
B	38.2 : 1	27.3 N.cm	345 rpm
C	114.7 : 1	79.3 N.cm	115 rpm
D	344.2 : 1	223.2 N.cm	38 rpm



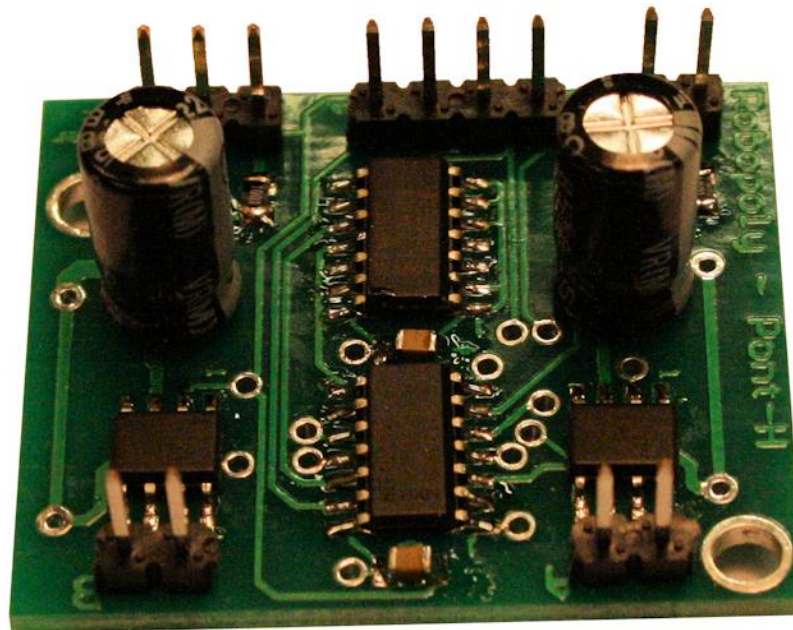


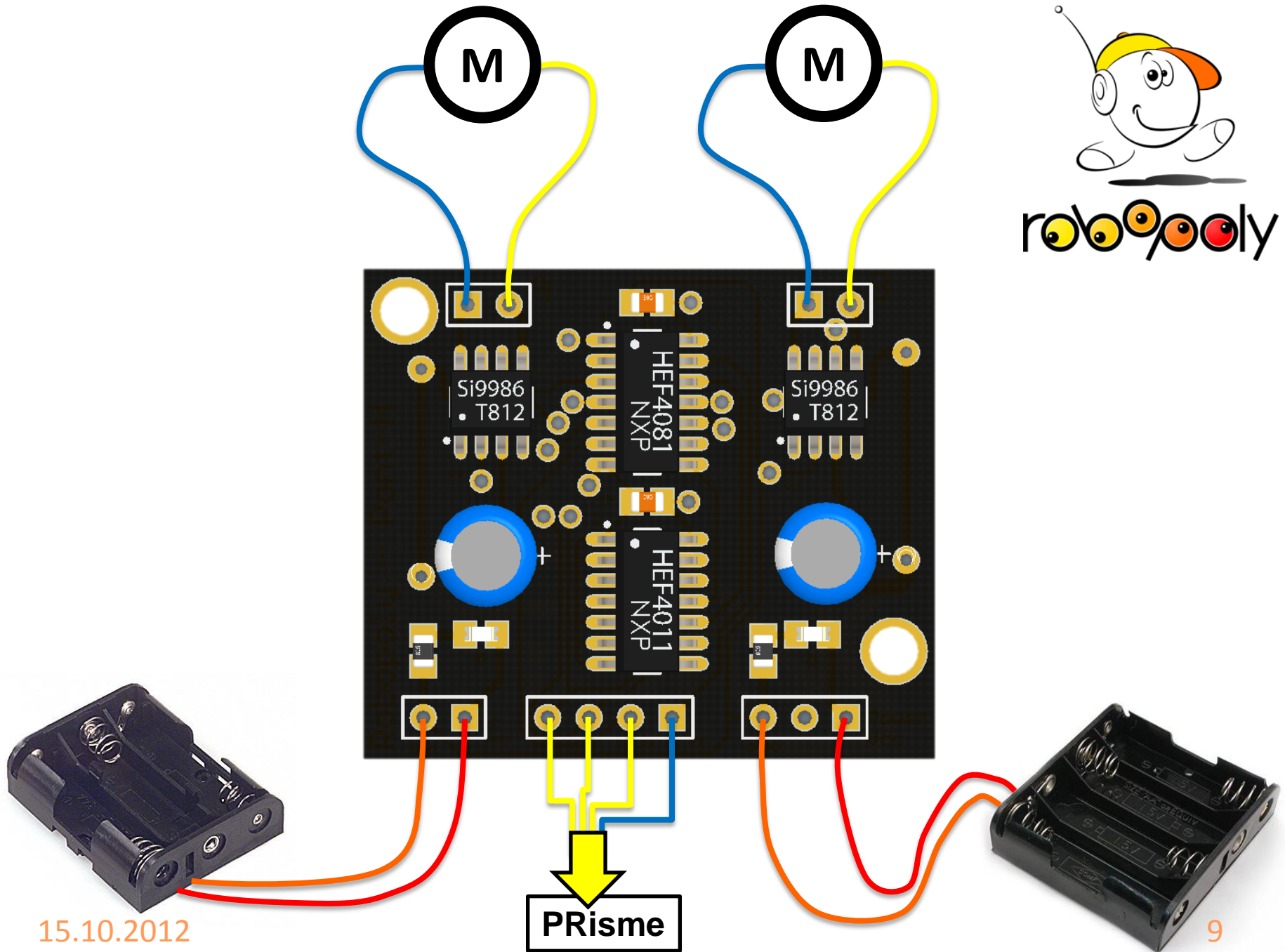


Pont-H



Pont-H





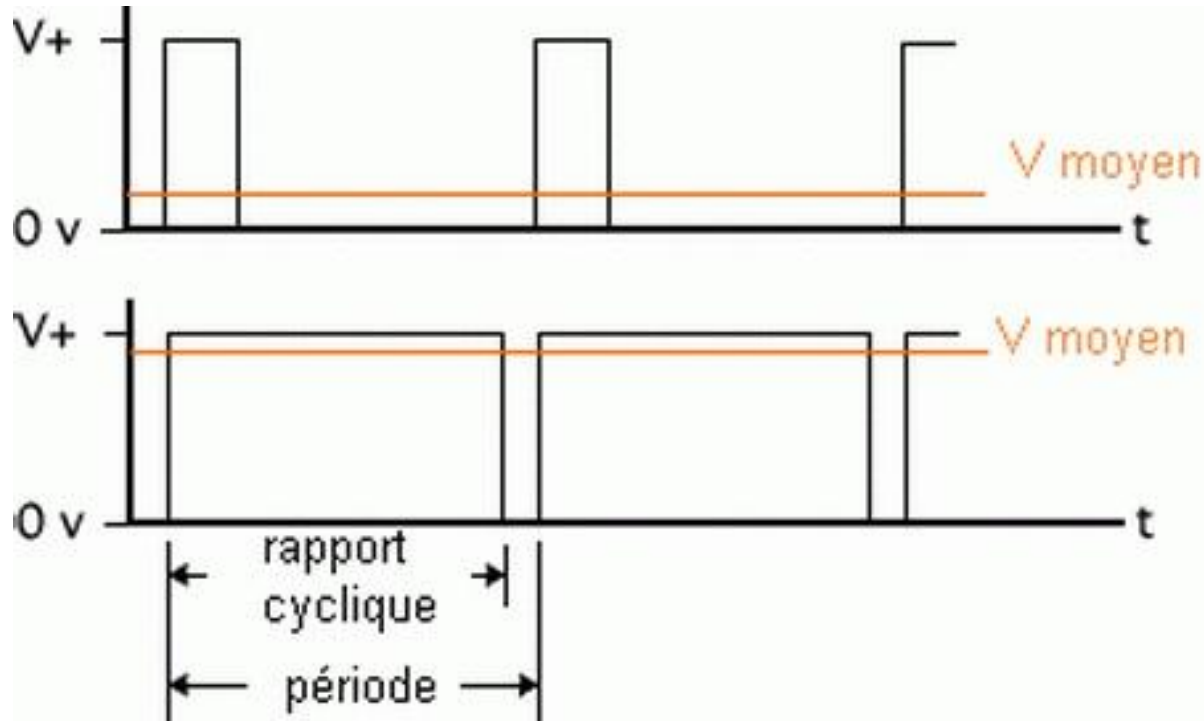
15.10.2012



PWM

Pulse Width Modulation

PWM



$$V_{moy} = V * \frac{T1}{T}$$



Programmation

```
setSpeed(vitesse_gauche,vitesse_droite);
```

0 : arrêt

100 : vitesse max avant

-100 : vitesse max arrière



```
setSpeed(100,100);
```

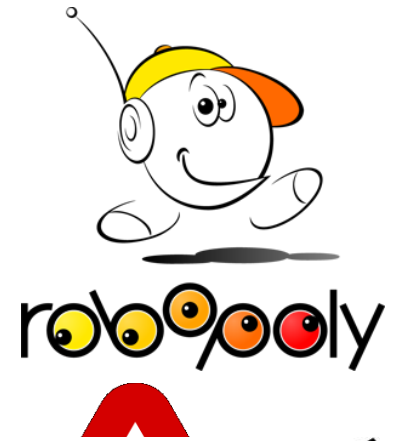
```
setSpeed(30,60);
```

```
setSpeed(-50,50);
```

```
#include <robopoly.h>
```

```
void setup()  
{  
  
}
```

```
void loop()  
{  
    setSpeed(20, 20);  
    delay(300);  
}
```





Fin

Questions ?

Samedi Prochain (20.10)



roboooly

Pré-Friday Uno

- Toute la journée en BM5202
- Le comité est là
- Vous pouvez soudez joyeusement toute la journée
- Repas à midi pour 5 CHF

La semaine prochaine



Capteur IR

