ECRAN TACTILE

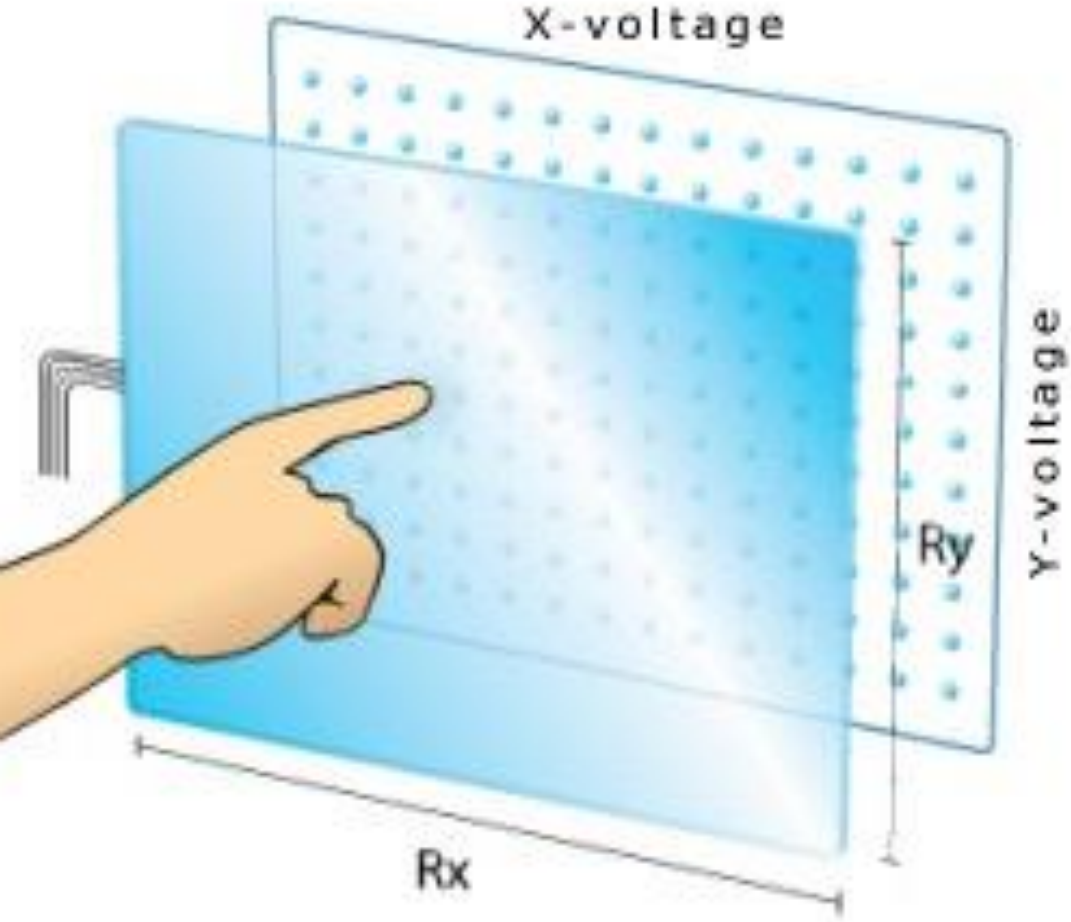
Sommaire:

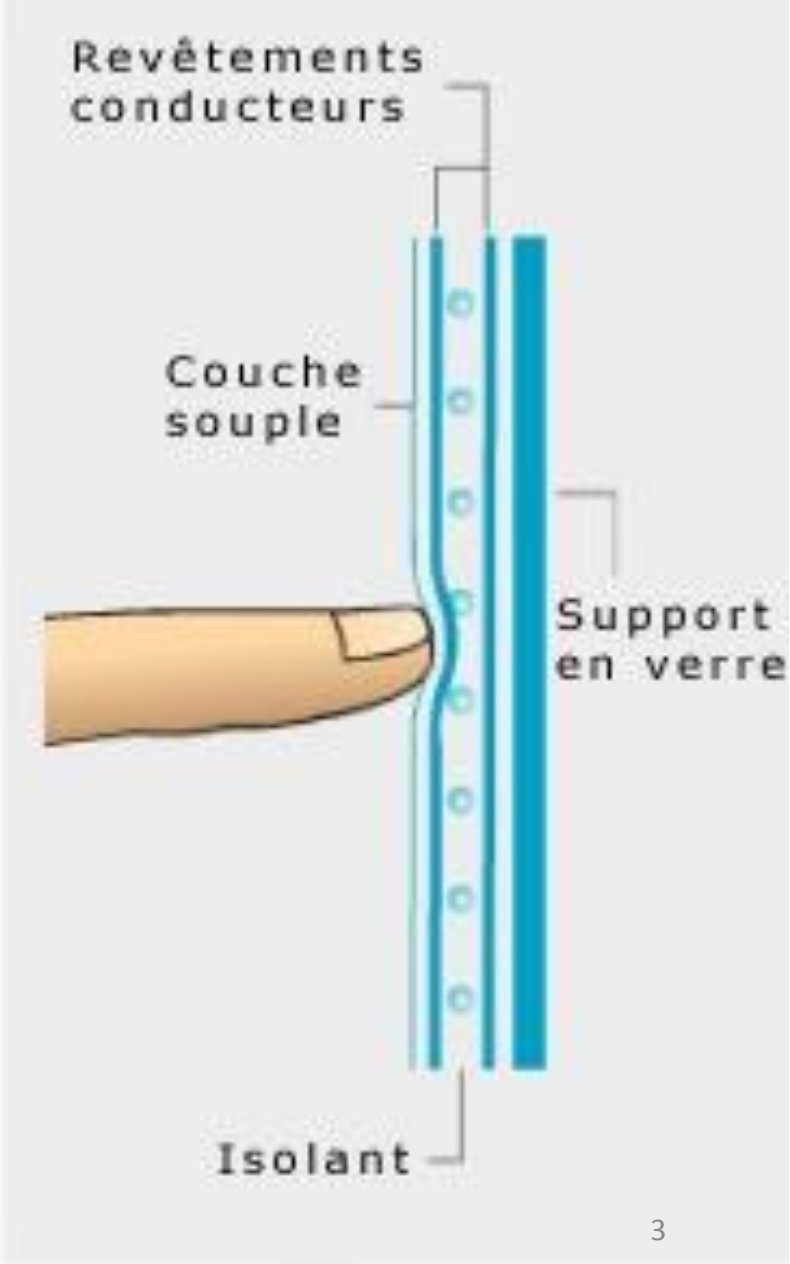
Différents types de technologie tactiles :

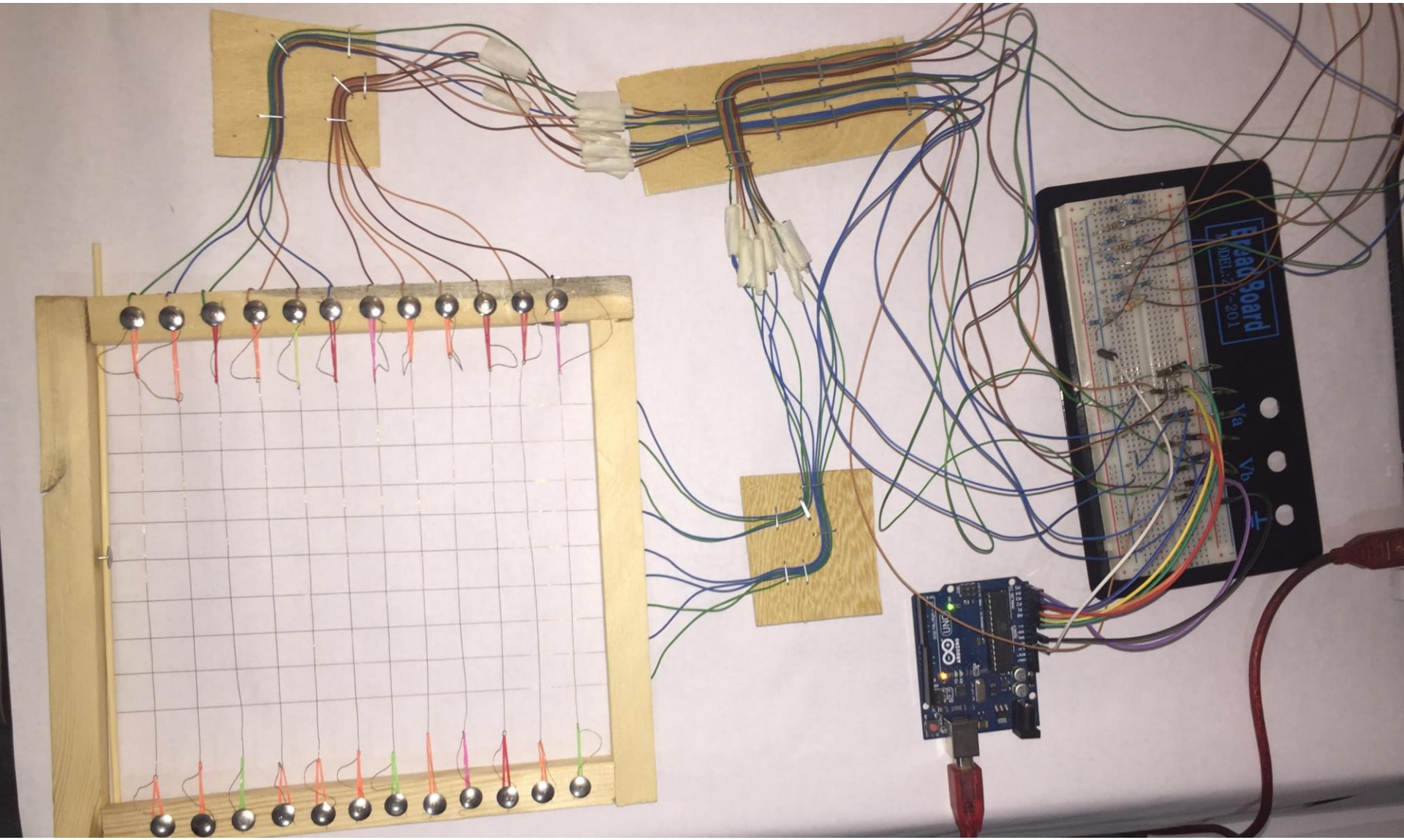
- La technologie résistive
- La technologie capacitive
- La technologie infrarouge
- La technologie à ondes de surface

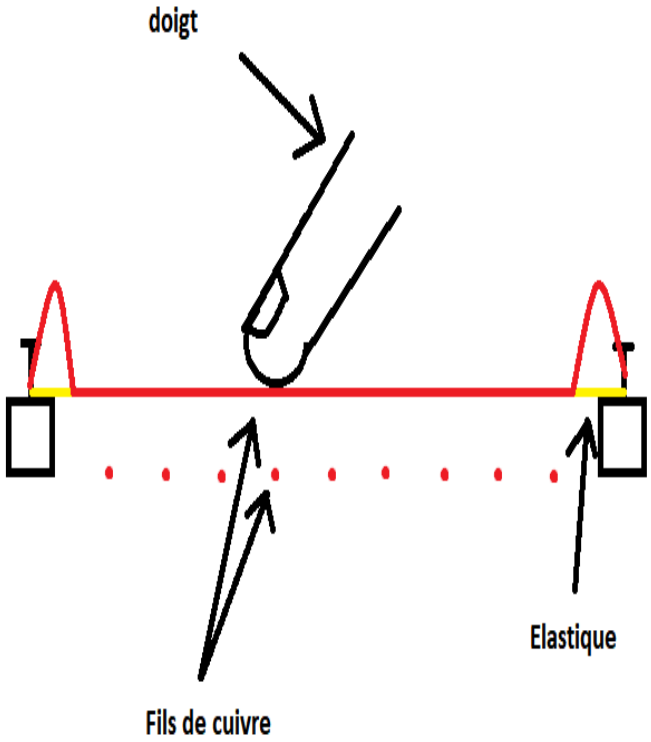
Comparaison

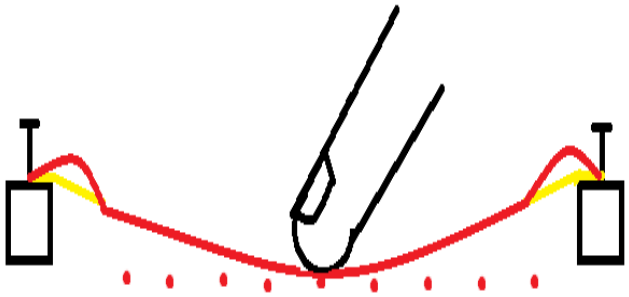
TECHNOLOGIE RESISTIVE

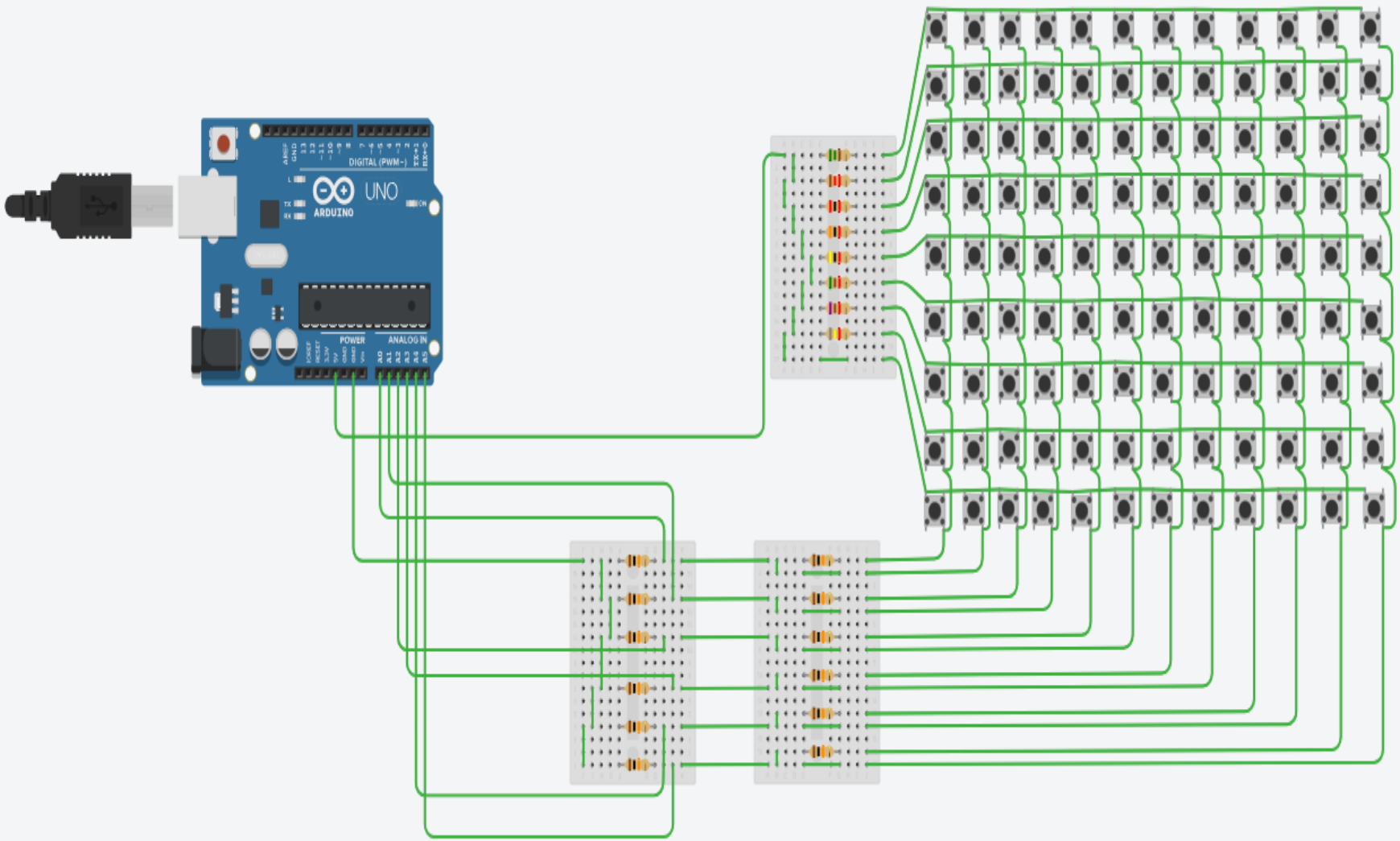




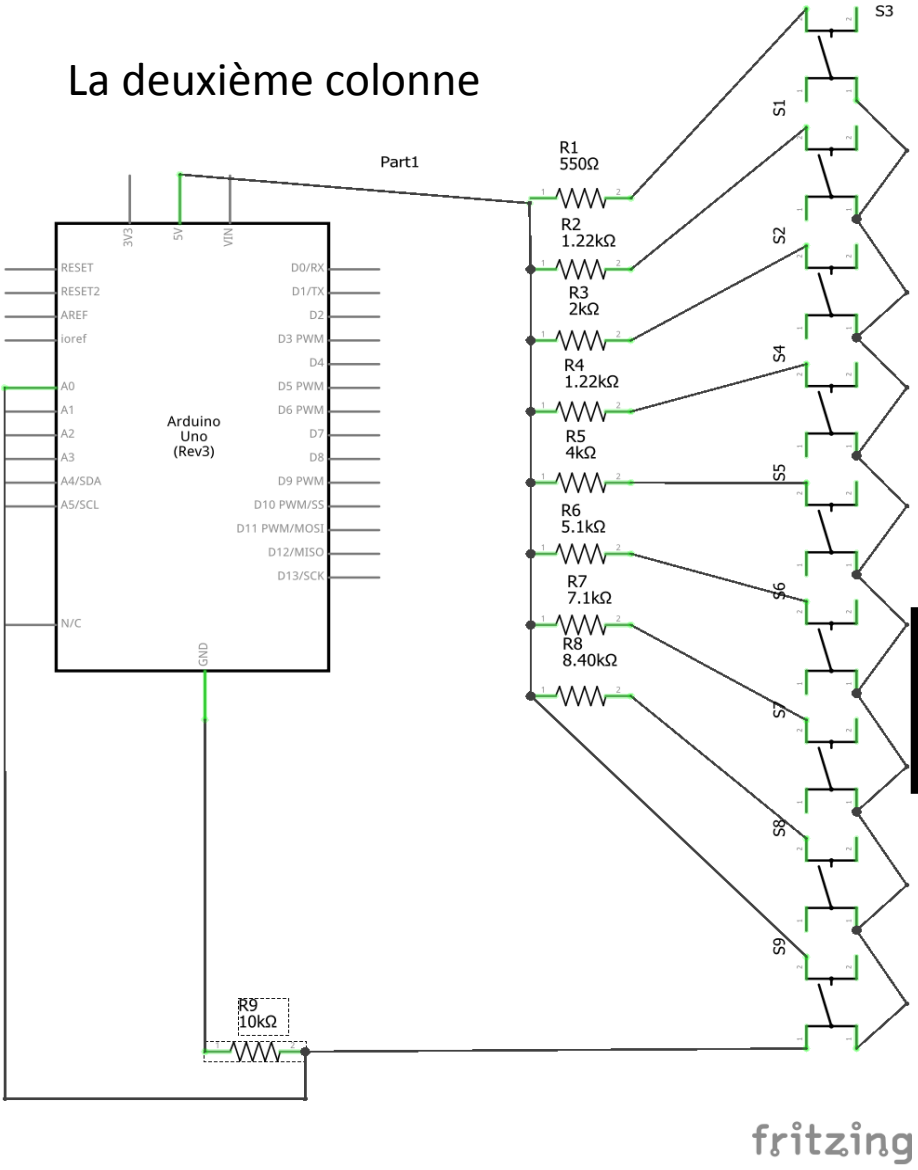



doigt
Elastique
Fils de cuivre

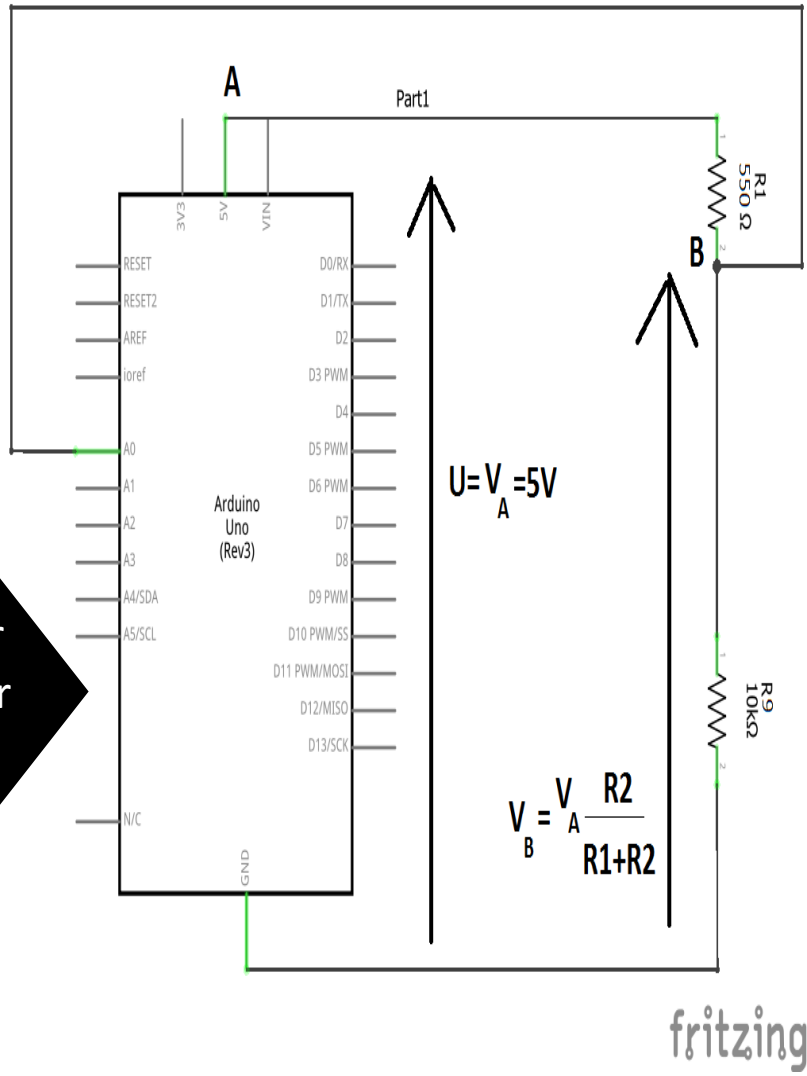



DIGITAL (PWM~)
UNO
ARDUINO
POWER
ANALOG IN

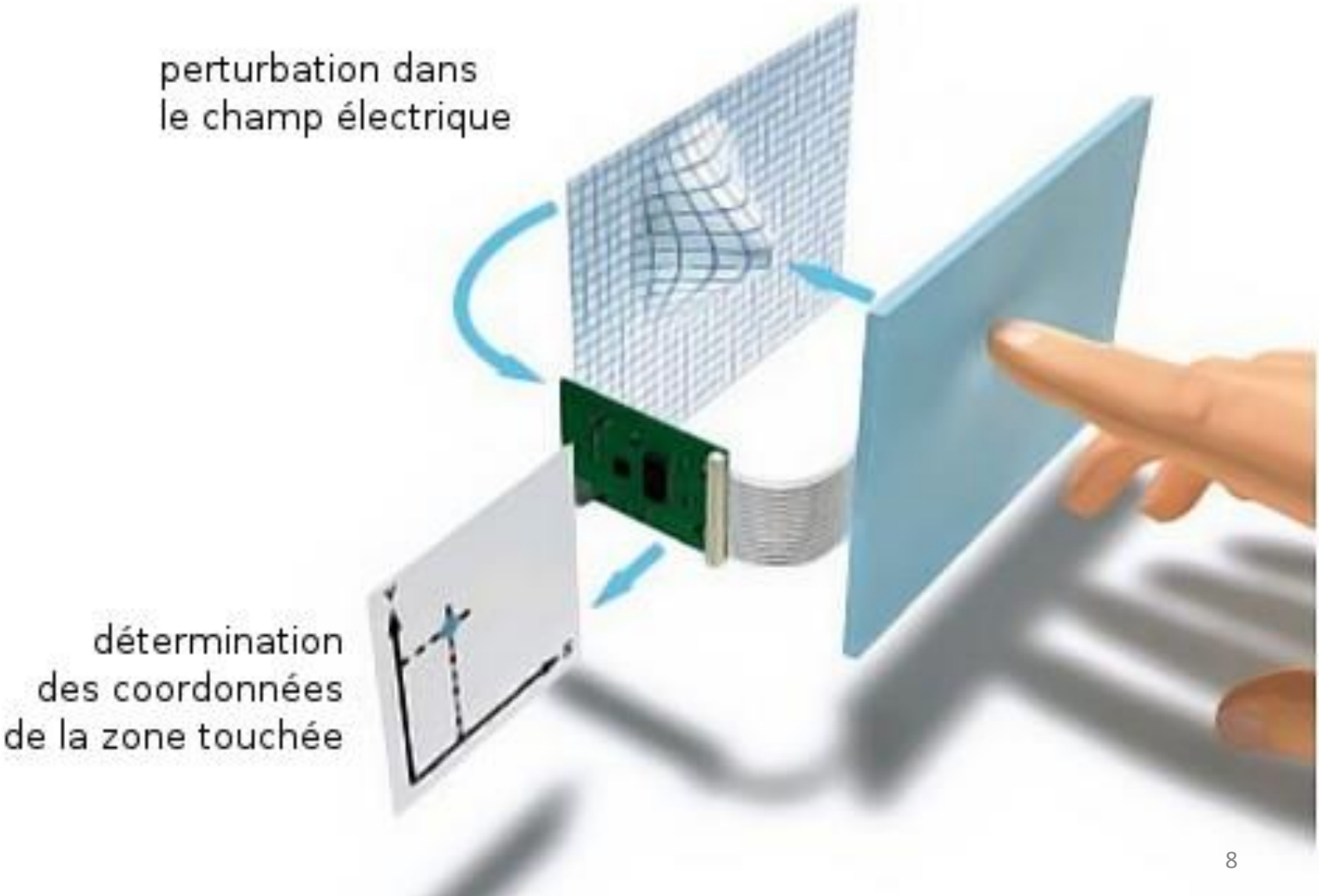
La deuxième colonne

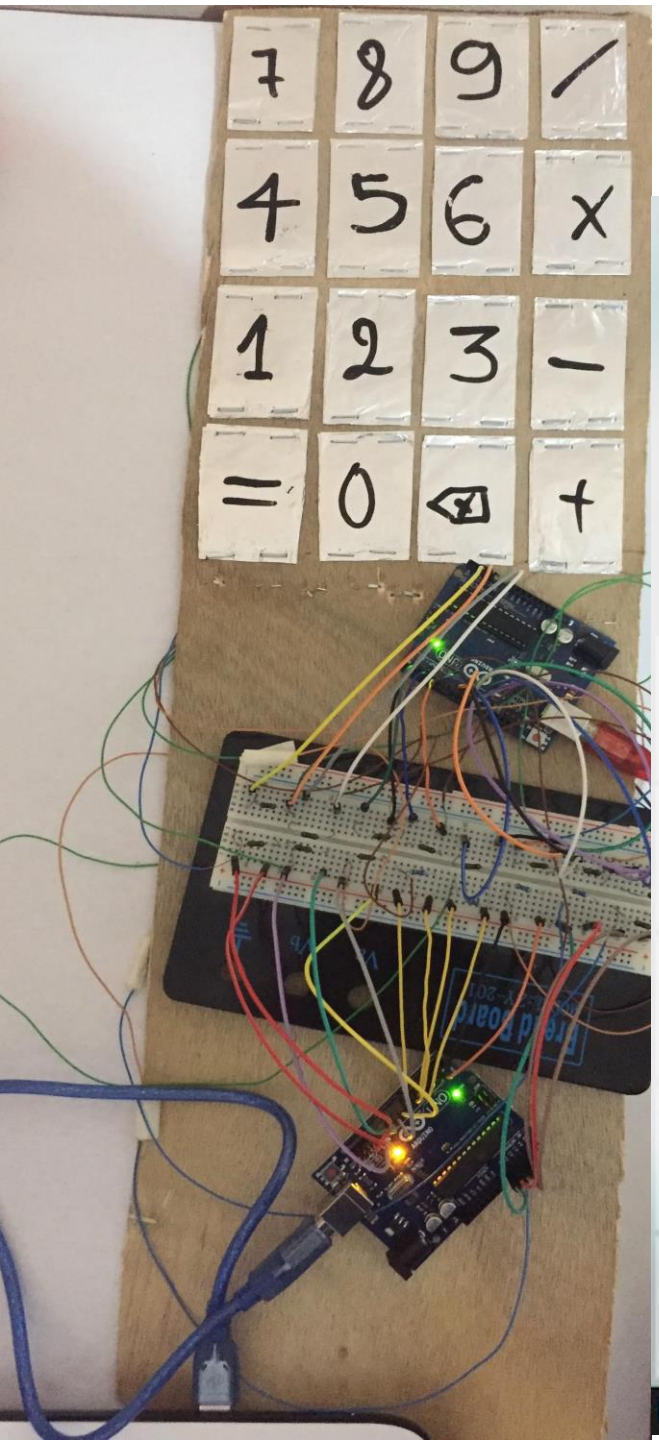


Clique sur le premier bouton



TECHNOLOGIE CAPACITIVE





Calculatrice

Standard

Historique Mémoire

195

65 × 3 =
195

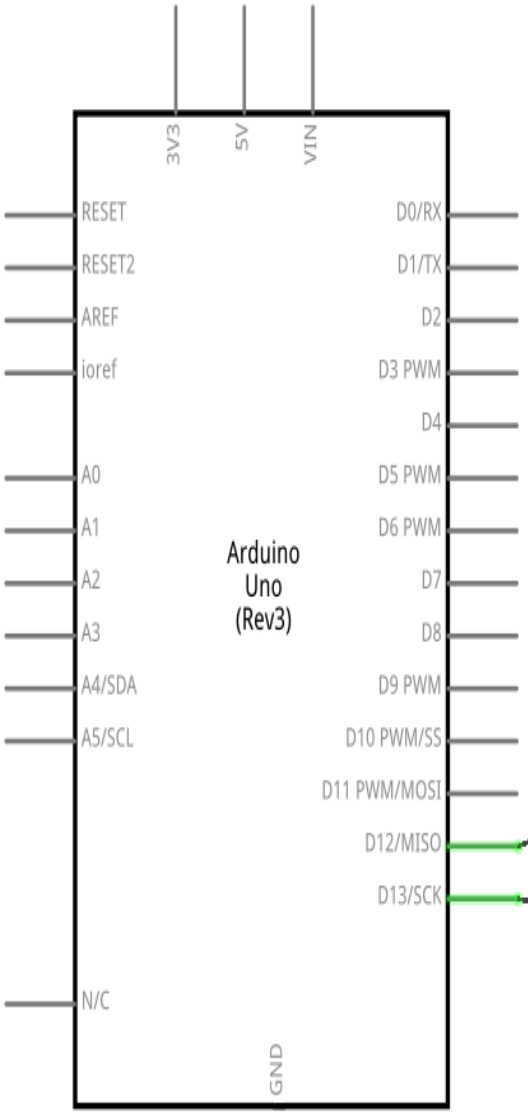
5 ÷ 3 =
1.666666666666667

9 × 10 =
90

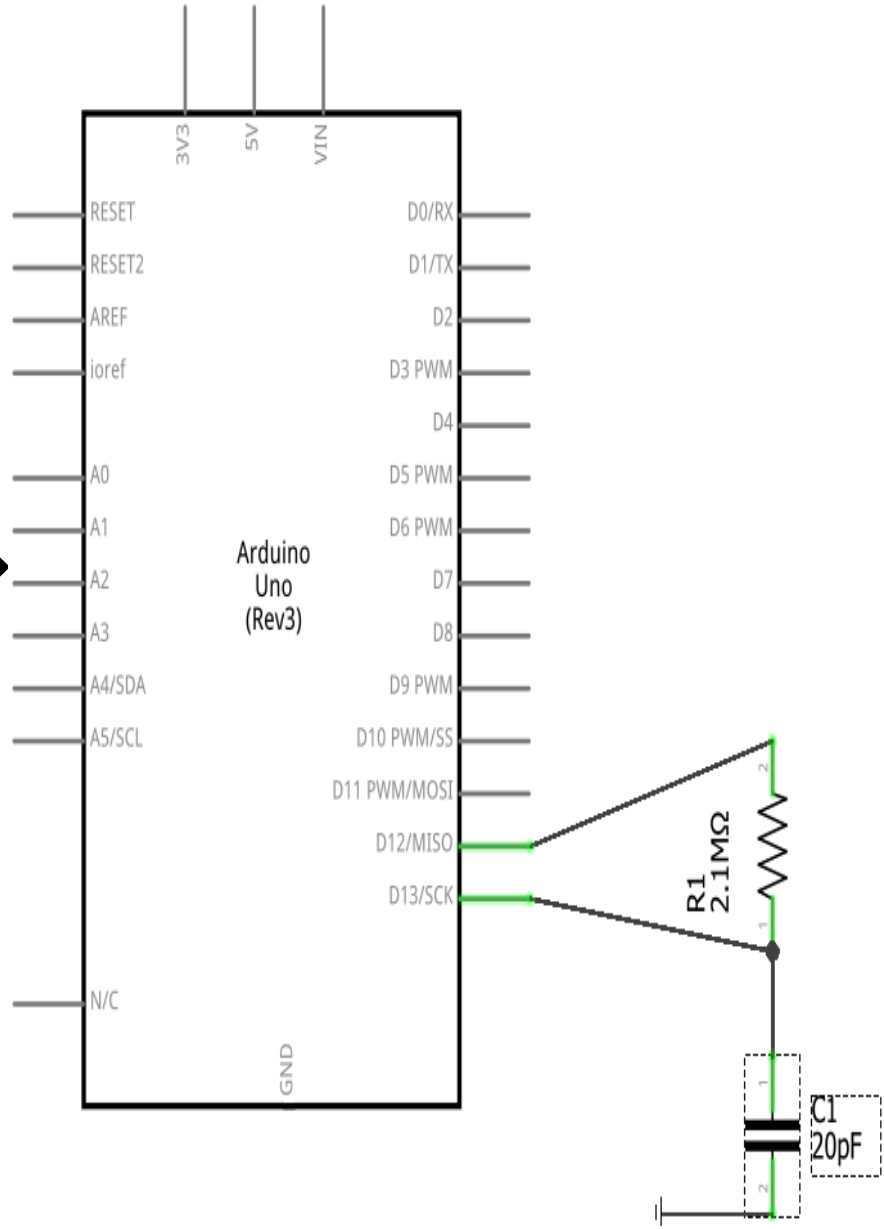
MC MR M+ M- MS

%	CE	C	⌫	÷
√	7	8	9	×
x^2	4	5	6	−
x^3	1	2	3	+
1/x	±	0	.	=

FRA 6:45 PM


3V3
5V
VIN
RESET
RESET2
AREF
ioref
A0
A1
A2
A3
A4/SDA
A5/SCL
N/C
GND
D0/RX
D1/TX
D2
D3 PWM
D4
D5 PWM
D6 PWM
D7
D8
D9 PWM
D10 PWM/SS
D11 PWM/MOSI
D12/MISO
D13/SCK
Arduino
Uno
(Rev3)


Poser le
doigt sur
l'aliminium


3V3
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RESET2
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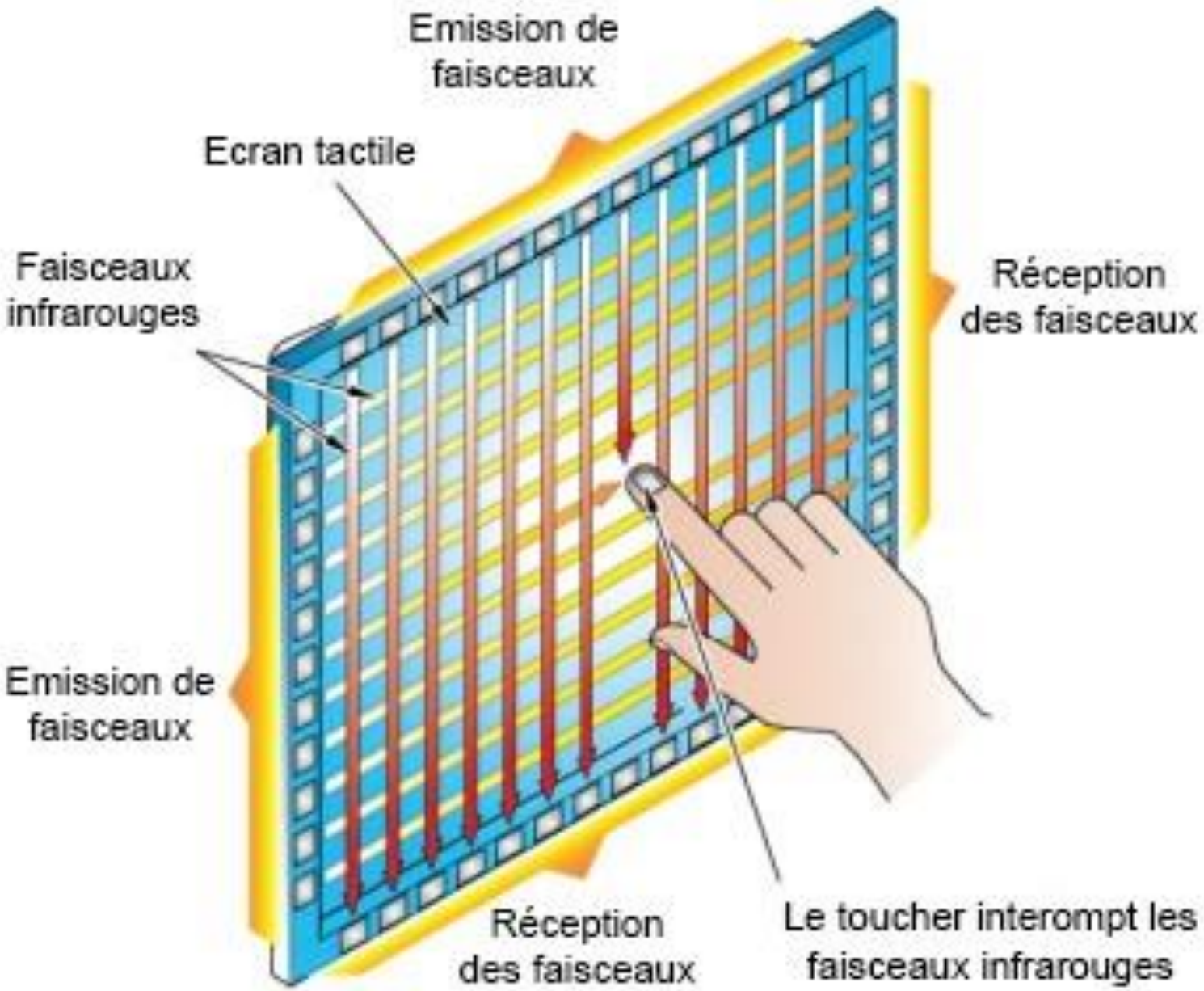
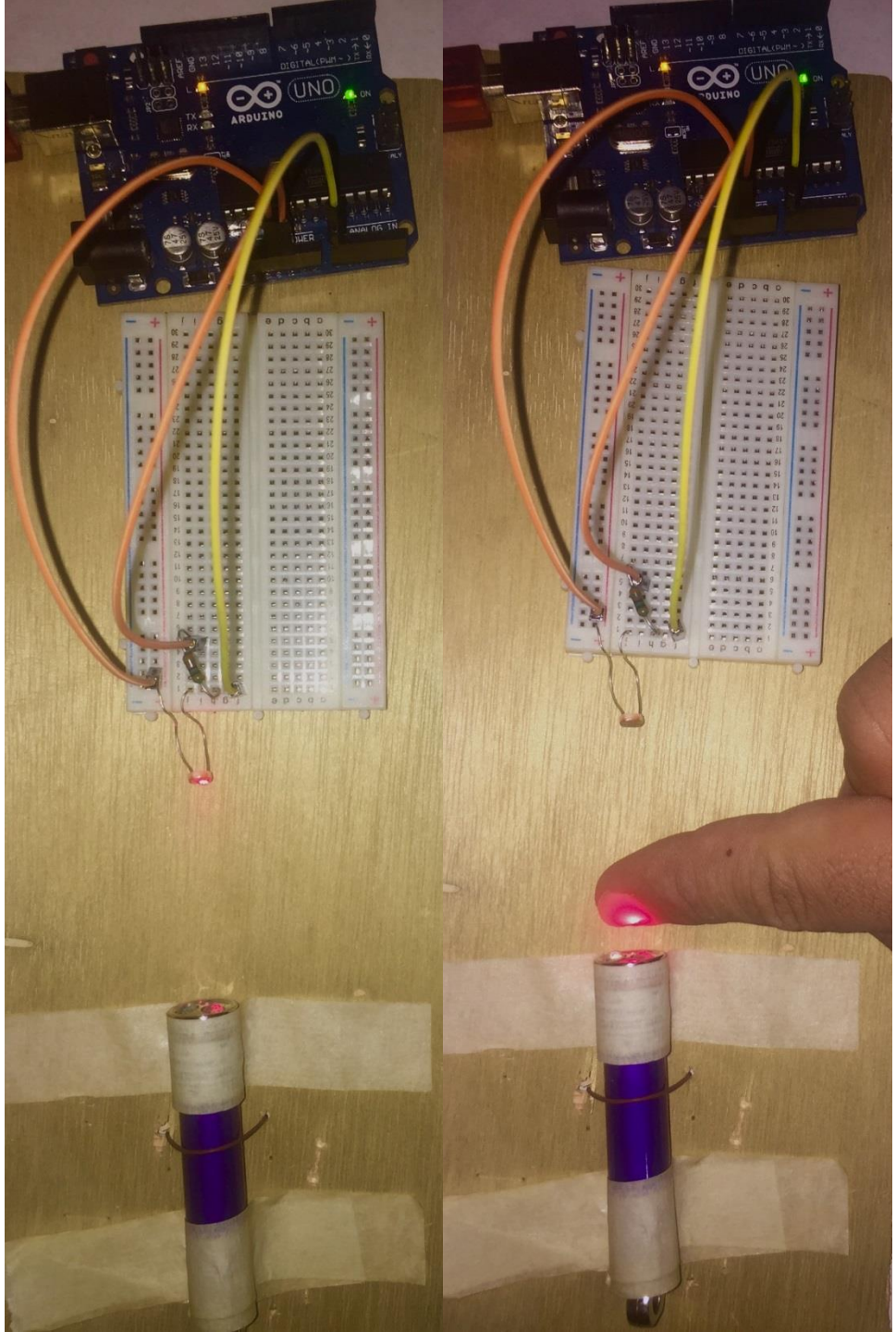
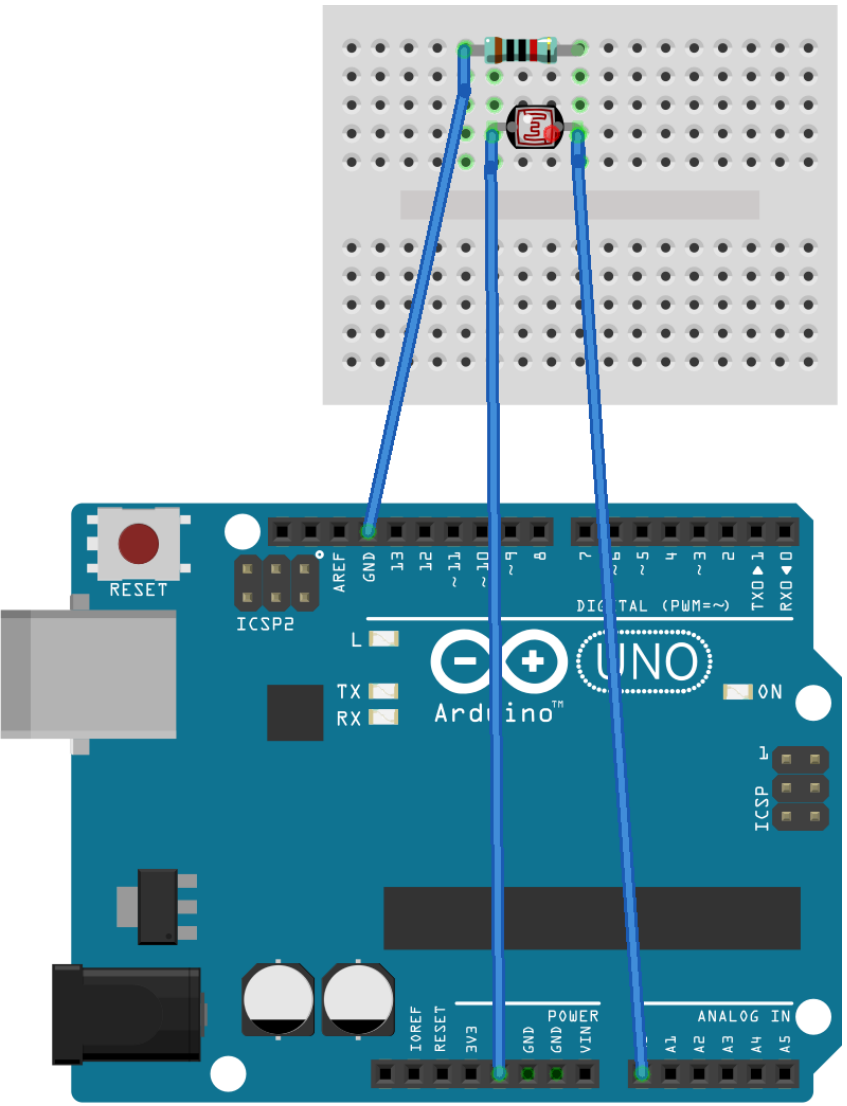
ioref
A0
A1
A2
A3
A4/SDA
A5/SCL
N/C
GND
D0/RX
D1/TX
D2
D3 PWM
D4
D5 PWM
D6 PWM
D7
D8
D9 PWM
D10 PWM/SS
D11 PWM/MOSI
D12/MISO
D13/SCK
Arduino
Uno
(Rev3)
R1
2.1MΩ
C1
20pF

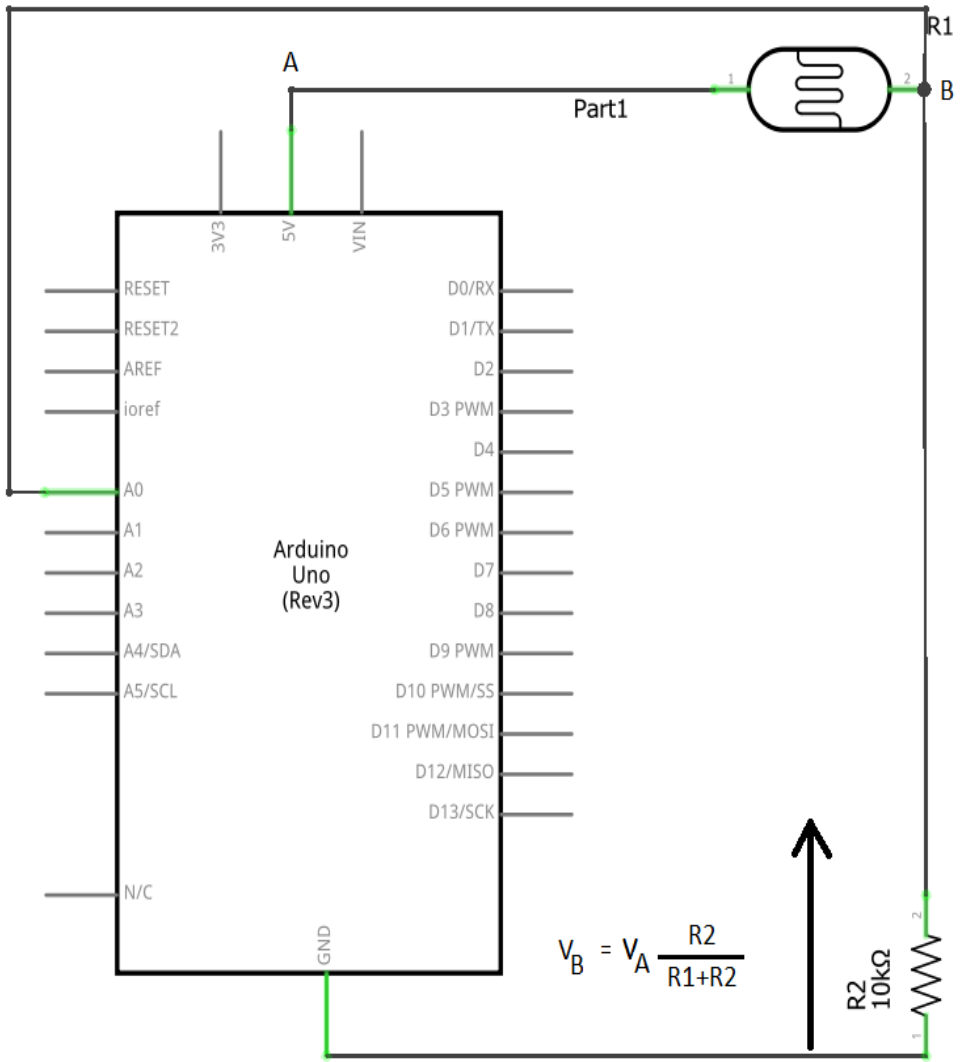
TECHNOLOGIE INFRAROUGE




ARDUINO
UNO
ON
DIGITAL(PWM~)
ANALOG IN



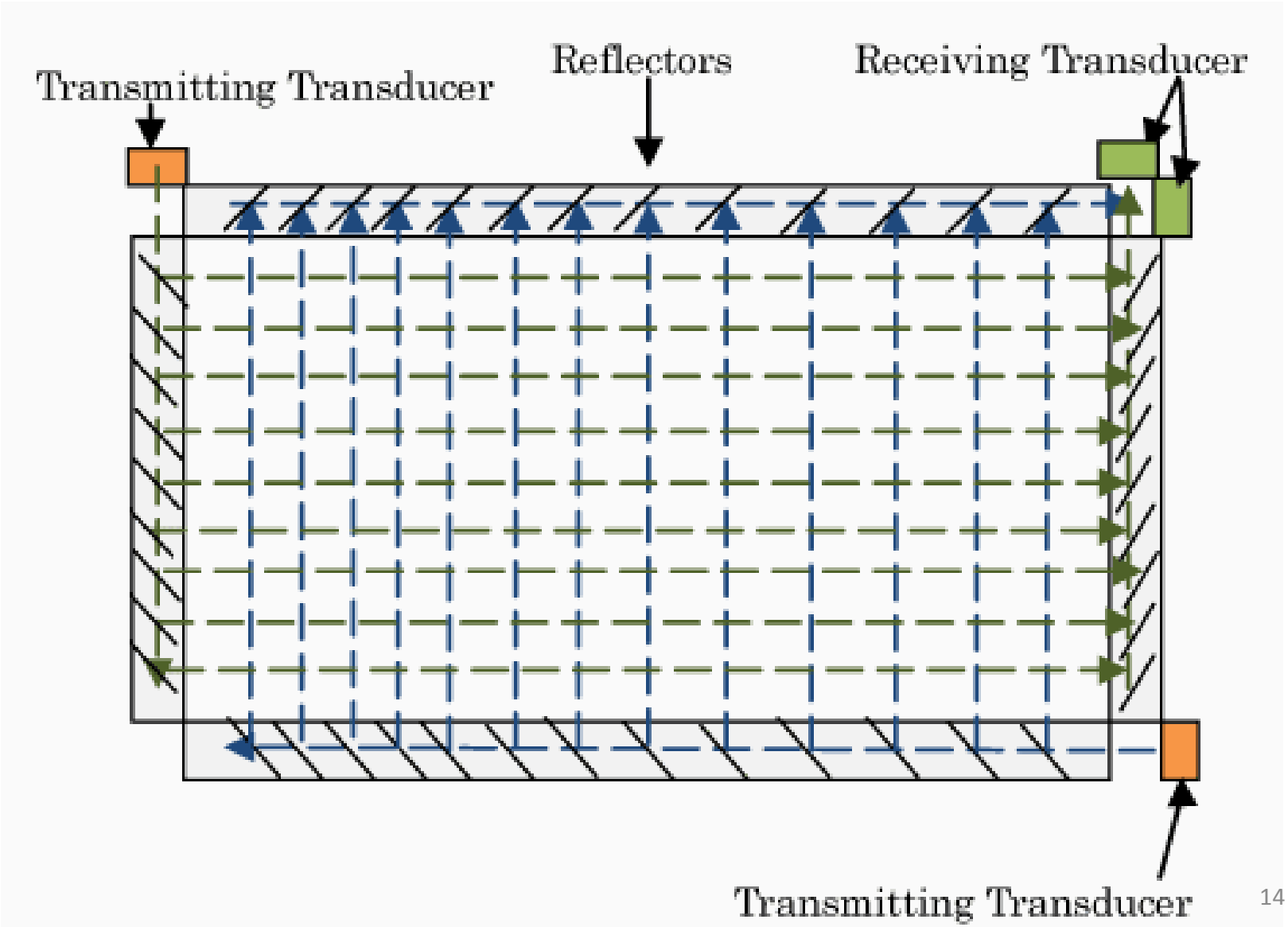
fritzing



fritzing

TECHNOLOGIE A ONDES DE SURFACE

TECHNOLOGIE A ONDES DE SURFACE ABSORBÉES



TECHNOLOGIE A ONDES DE SURFACE ACOUSTIQUES

TECHNOLOGIE	RESISTIVE	CAPACITIVE	INFRAROUGE	A ONDES DE SURFACE
Temps de réponse	<10ms	<15ms	<20ms	10ms
	5ms	3,2ms	2ms	
Multitouche				
Luminosité