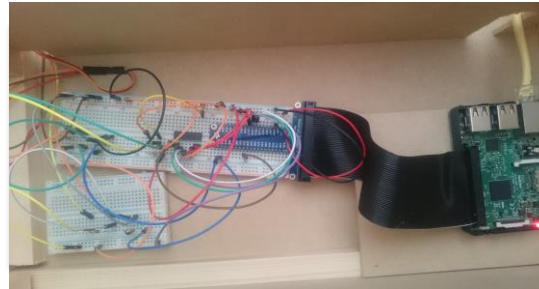


CLASS: 1NMCT3  
 NAME: Demaeght  
 FIRSTNAME: Lukas  
 Assembly Name : Kipomatic  
 Assembly Revision : \_\_\_\_\_  
 Approval Date : \_\_\_\_\_  
 Part Count : 15  
 Total Cost : €81



(picture kan pas toegevoegd worden bij eindoplevering!)

Part #	Part Name	Description	Revision	Qty	Supplier	also available from	Units	Unit Cost	Max Cost	Real Cost	
1	Raspberry Pi 3	The Raspberry Pi.		1	SOS Solutions	Amazon	1	€ 40,40	€ 40,40		
2	Servo motor: sg90	These are used to open and close the door.		2	Banggood	Amazon	1	€7,16 for 4	€ 8,00		
3	MCP3008	The MCP is used to read the lightsensor.		1	SOS Solutions	Amazon	1	€ 6,75	€ 7,00		
4	gl5537	The lightsensor.		1	Banggood	Amazon	1	\$2,00 for 20	€ 2,00		
5	Adafruit assembled Pi+ cobbler and breakout cable	Everything you need to connect the pins of the Pi with the breadboard.		1	SOS Solutions	Amazon	1	€ 10,50	€ 10,50		
6	Breadboard	The breadboard to make your electric circuit on.		2	Banggood	Amazon	2	€ 3,18	€ 6,36		
7	Resistor of 1kΩ or 10kΩ	The resistors used to connect the ldr (gl5537) with the MCP and to connect the servos with the transistors.		5	Banggood	Amazon	1	€3 for a lot of resistors	€ 3,00		
8	Transistor (2N3904)	The transistors to connect the servos with the Pi.		2	Banggood	Amazon	1	€1,67 for 100	€ 2,00		
9	Wires	The wires that you use to be able to connect everything.			Banggood	You can also buy them with the breadboard.		€ 2,00	€ 2,00		
									€ -		
									€ -		
<b>Total</b>				<b>15</b>					<b>€ 81,26</b>		