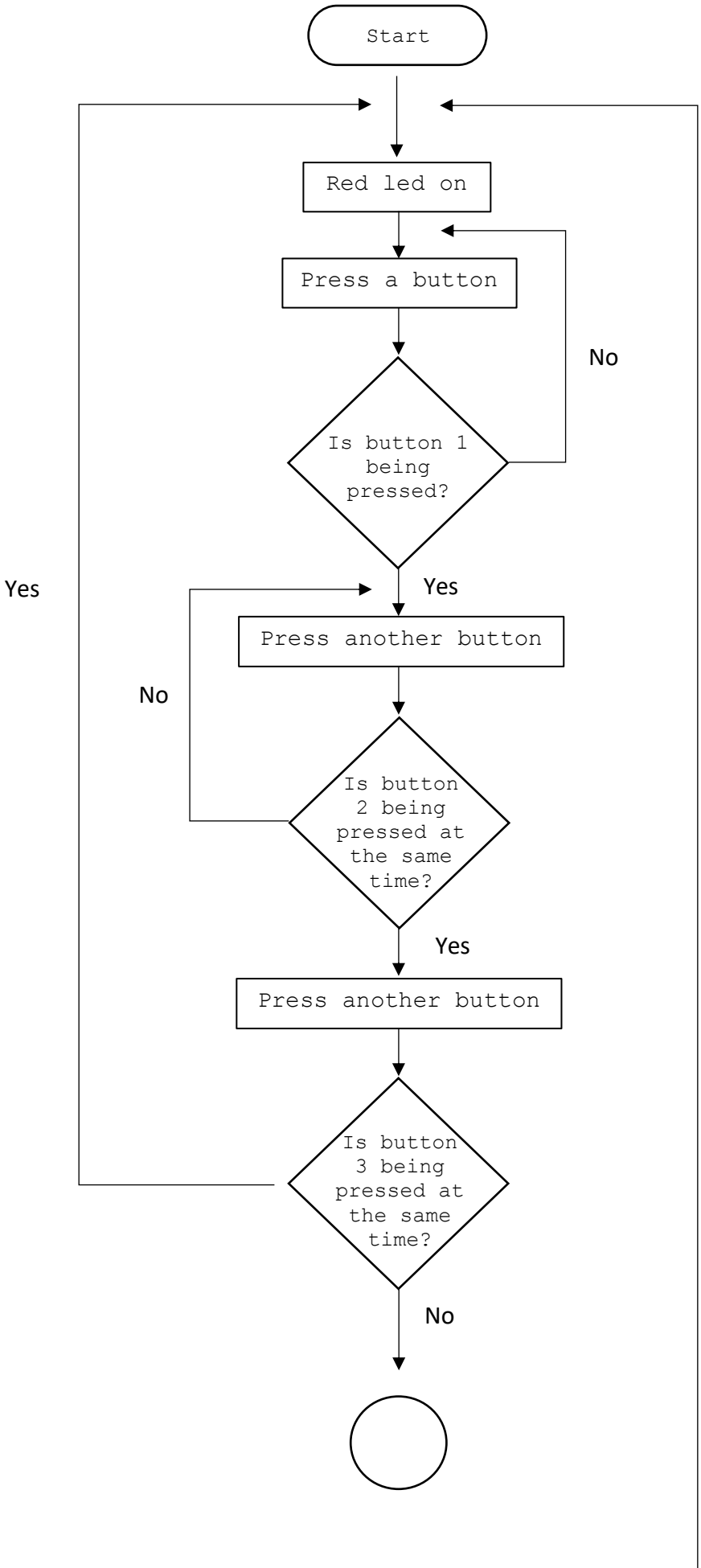
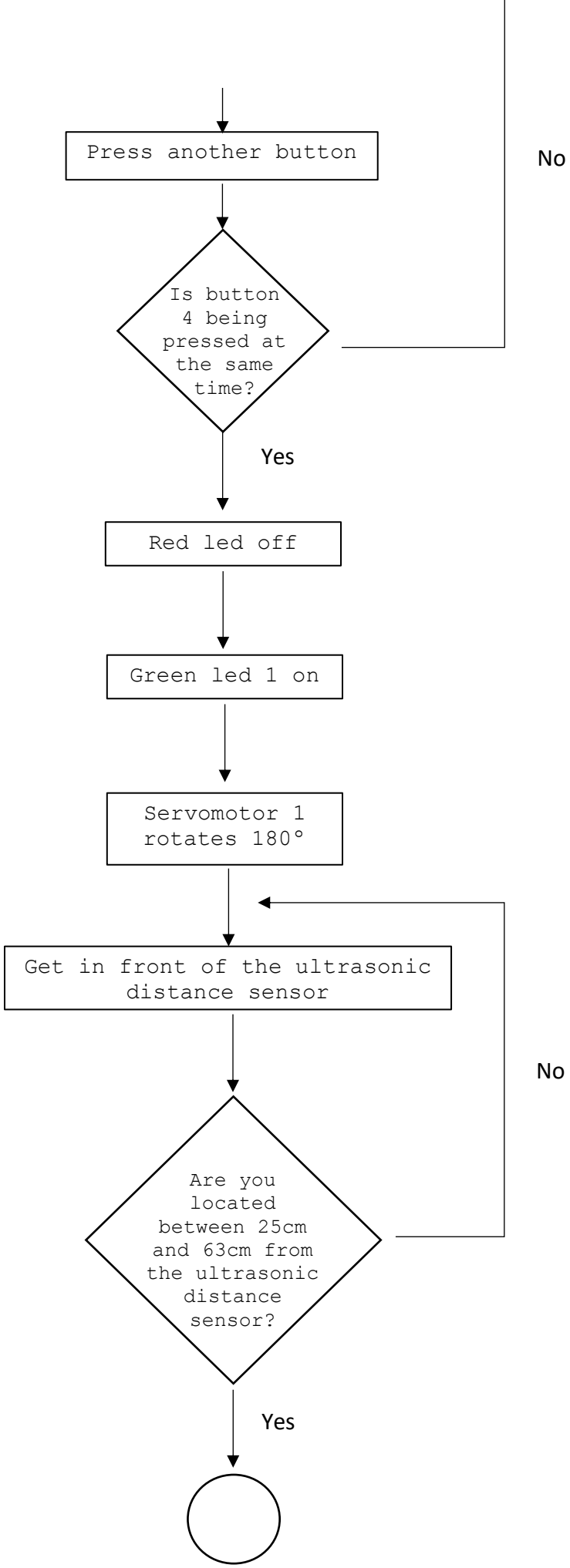
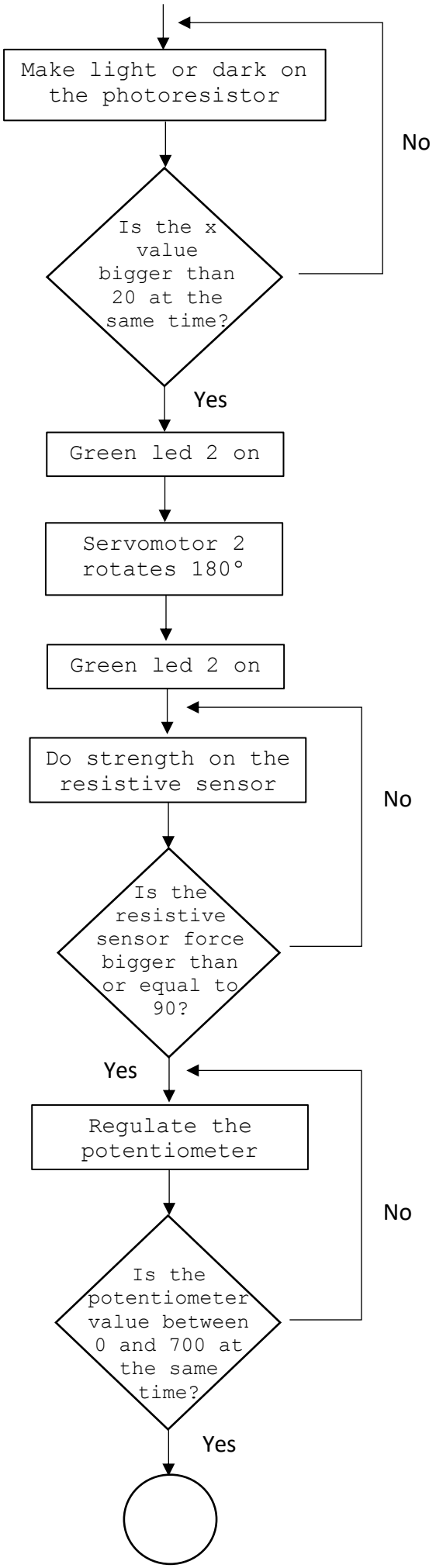
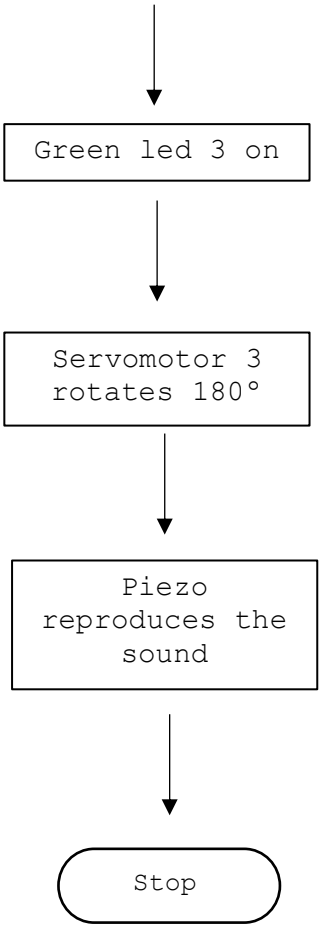

Start
Red led on
Press a button
No
Is button 1 being pressed?
Yes
Yes
Press another button
No
Is button 2 being pressed at the same time?
Yes
Press another button
Is button 3 being pressed at the same time?
No


Press another button
No
Is button 4 being pressed at the same time?
Yes
Red led off
Green led 1 on
Servomotor 1 rotates 180°
Get in front of the ultrasonic distance sensor
No
Are you located between 25cm and 63cm from the ultrasonic distance sensor?
Yes


Make light or dark on the photoresistor
Is the x value bigger than 20 at the same time?
No
Yes
Green led 2 on
Servomotor 2 rotates 180°
Green led 2 on
Do strength on the resistive sensor
Is the resistive sensor force bigger than or equal to 90?
No
Yes
Regulate the potentiometer
Is the potentiometer value between 0 and 700 at the same time?
No
Yes


Green led 3 on
Servomotor 3 rotates 180°
Piezo reproduces the sound
Stop