

Halloween heist

The Captain needs to find a foolproof way to secure his safe after Jake broke into it during the Halloween heist.

Make a password-protected lock mechanism to assist Captain. A password input using a keypad might be any one of the four-digit number combinations. Assume that the lock is a servo motor. Allow the servo motor shaft to rotate 40 degrees if the password is accurate. If the password is incorrect, the shaft should rotate 180 degrees and a buzzer should sound a tone of your choosing. To simulate the situation, use TinkerCAD.

For your submission, share the link to the TinkerCAD circuit design.