### LAB 5 REPORT

Name: Jiasen Zhou

Student No: 491302

This is my “:P”

图片包含 游戏机

描述已自动生成

Question:

1. Why does the Nerd make a buzzer noise and how can you avoid it? Be sure to mention the purpose of the photoresistor in your answer.

The noise is caused by the high power gain of the amplifier, which is not well controlled. It can be eliminated only after the gain is controlled well. In here, we can use the photoresistor to control the gain.

1. What/how does the Nerd eat?

Nerd eat networks that store in the flash memory

1. Why do we use Flash Memory in this project?

Flash memory needs to store all the networks that detected and will feed the Nerd no matter power is out or not, so that the Nerd can be alive.