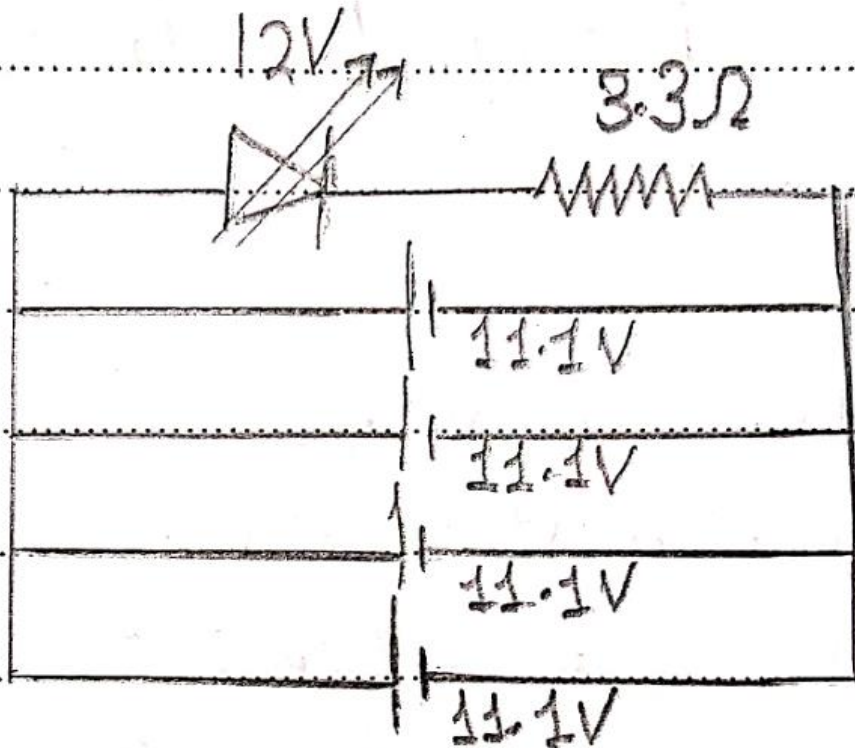


### Task2\_1.3



To operate a led for 5hrs we would use 4 batteries of 80C lipo 5200mAh since:

The led would consume 3.64Ah ( $I = V/R = 12/3.3 = 3.64\text{amp}$ ), hence for 5hrs it is 18.5Amp which can be taken from 4 batteries ( $18.5 / 5.2 = 3.5$ ).