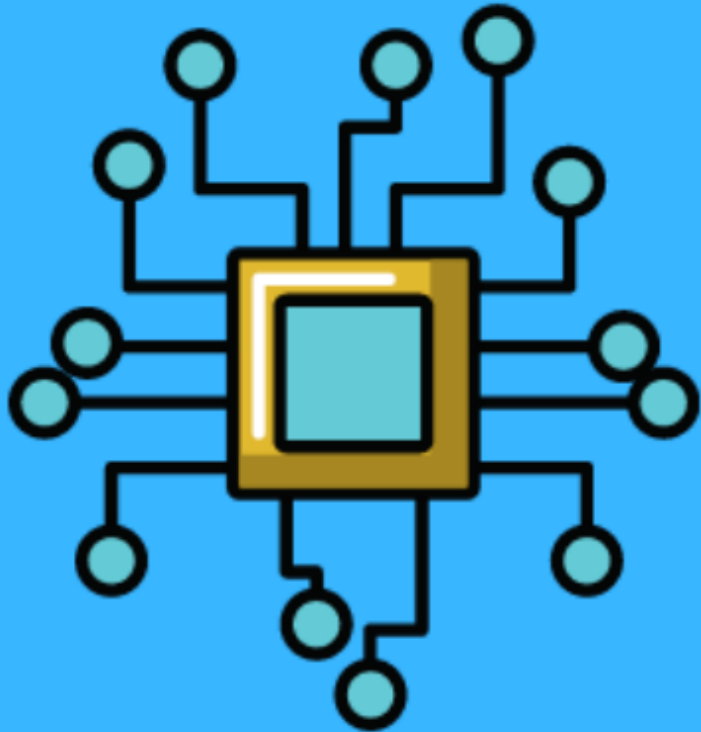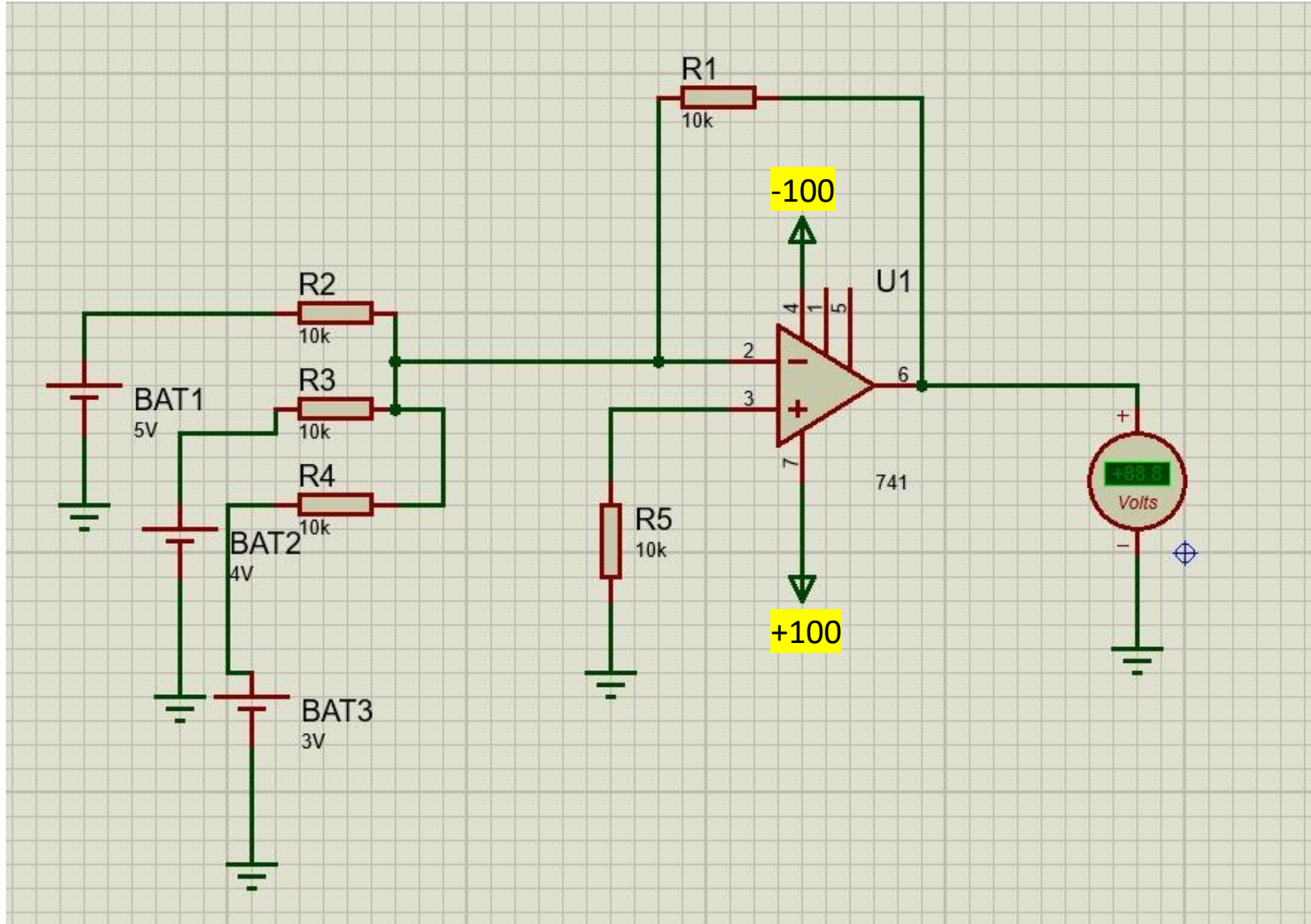# Electronics

Lab 9

Op-amp Applications - (Summing)

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(Op-amp) - summing circut

Equation

V_{out} = - [R1/R2] * V1 + [R1/R3] * V2 + [R1/R4] * V3

V_{out} = - [10k/10k] * 5 + [10k/10k] * 4 + [10k/10k] * 3 = - 12 V

Enjoy with your Design

Thank You