

Lab No: 04

Name of the Experiment: Verification of Superposition Principle

ID: 20301138

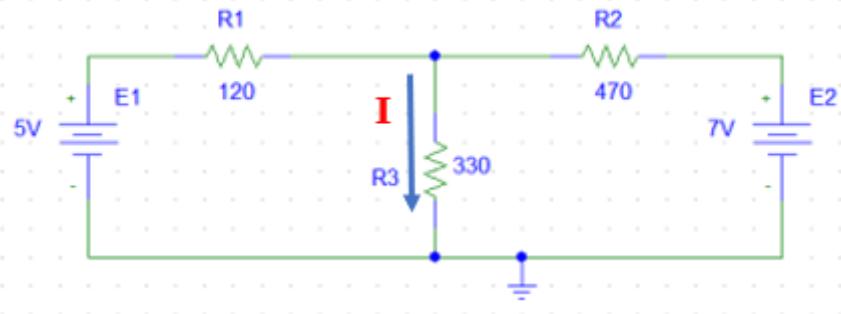
Name: Md . Bokhtiar Rahman Juboraz

Section: 03

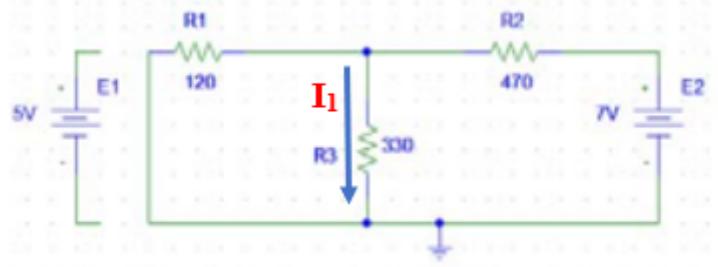
Date: 27-02-2022

Circuit 1

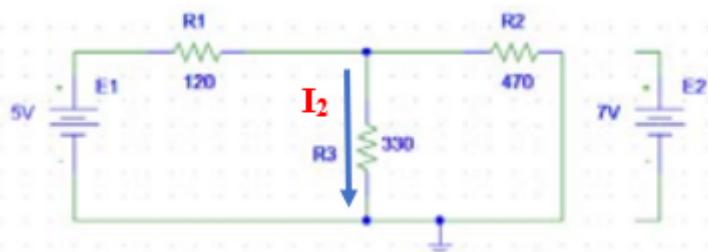
Given Circuit:



When only E_2 is active:



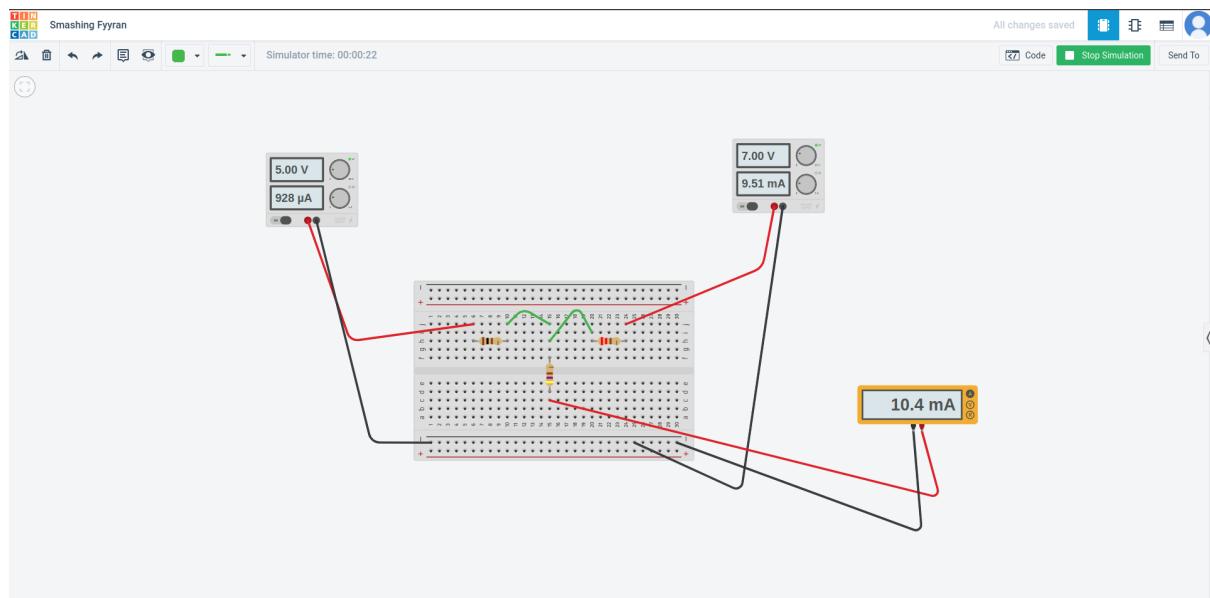
When only E_1 is active:



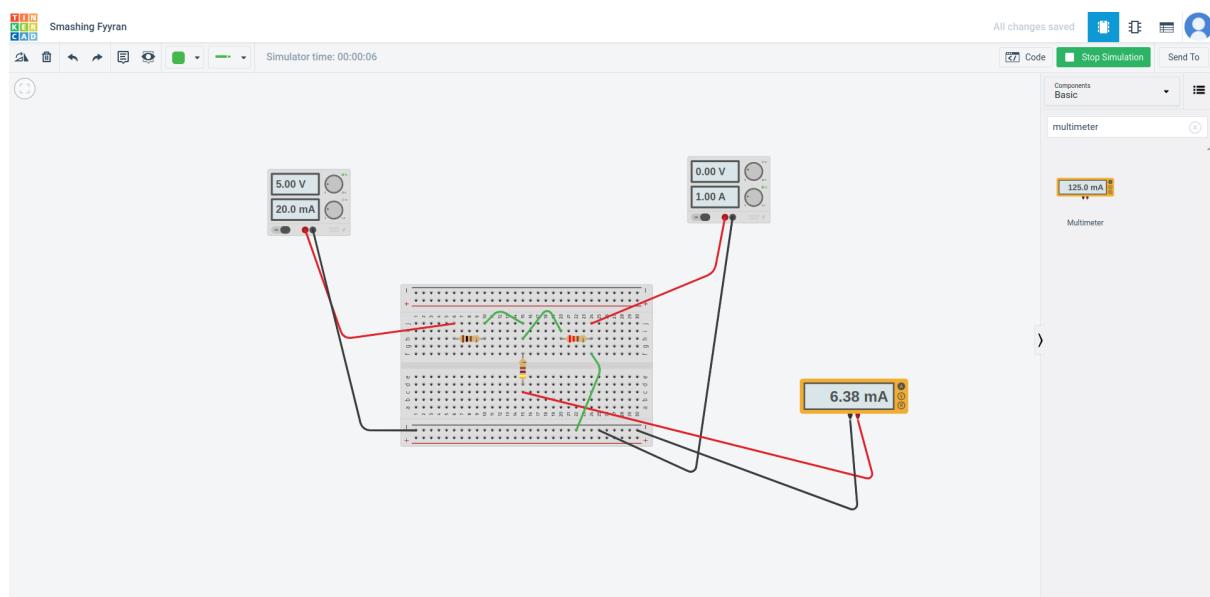
Personal Circuit:

Insert the full screen image of your circuit here. [Full screenshot, not just the circuit]

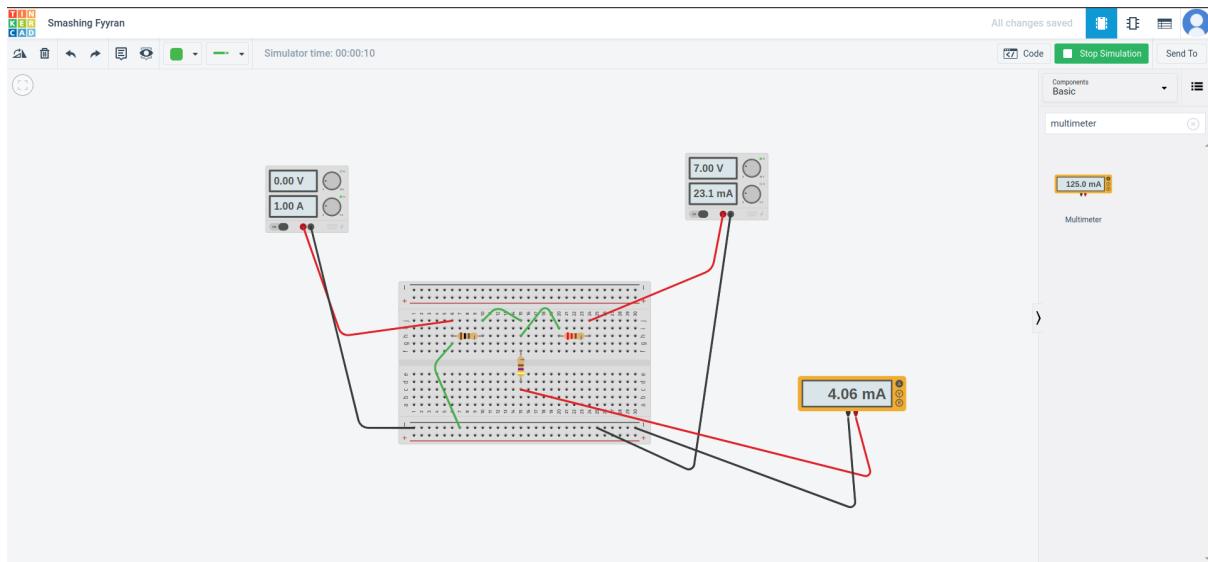
Given circuit:



When only E_1 is active:



When only E_2 is active:



Result:

No. of Observation	R_1	R_2	R_3	I (when both E_1 and E_2 are active)	I_1 (when only E_1 is active)	I_2 (when only E_2 is active)	$I_1 + I_2$
1.	100Ω	220Ω	470Ω	10.4 A	6.38A	4.06A	10.44 A
2.	$1.2 \text{ K} \Omega$	$2.2 \text{ K} \Omega$	$3.3 \text{ K} \Omega$	1.40 mA	$794 \mu \text{A}$	$606 \mu \text{A}$	$1400 \mu \text{A}$