BE LAB TASK # 01

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TOPIC: SAFETY MEASURE.

Calculations:

1, Current and Voltage Measuring in 2nd Circuit;

***First Current Measuring:**

Data:

I=??.

V=12v.

R=1k(ohm)=1000 ohm.

Solution:

V=I x R

I=V/R

I=12 / 1000.

I=0.012 A.

Or;

I=12 mA.

***Now for Volt Measuring:**

Data:

I=12mA.

V=??.

R=1k(ohm)=1000 ohm.

Solution:

V=I x R

V=12 x 1000 ohm Or V=12 x 1k (ohm)

V=12000 mv. Or V=12 v.

2, Voltage Measuring in 3rd Circuit;

Data:

I=12mA.

V=??.

R=1k(ohm)=1000 ohm.

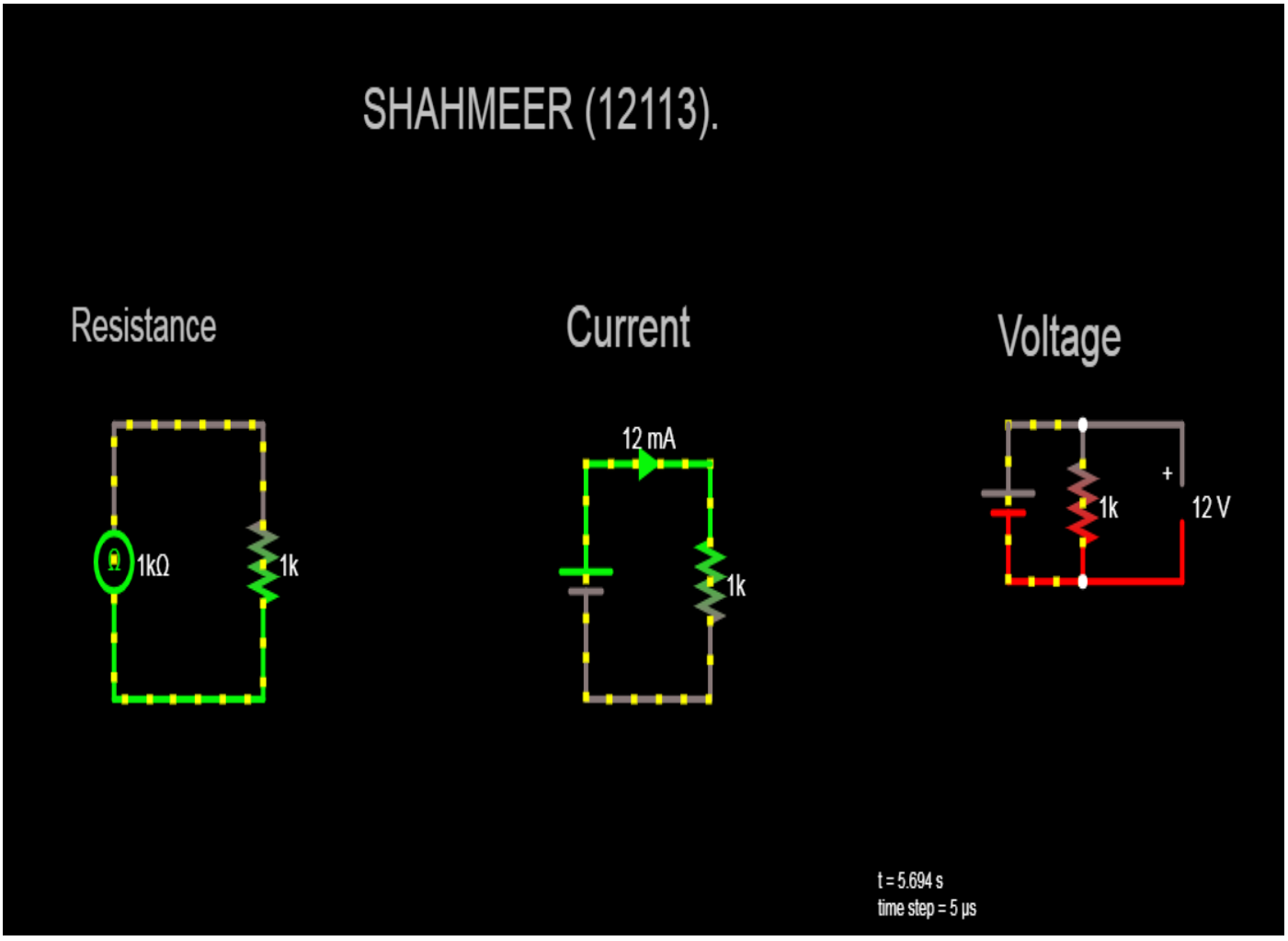
Solution:

V=I x R

V=12 x 1000 ohm Or V=12 x 1k (ohm)

V=12000 mv. Or V=12 v.

Screen shot:


SHAHMEER (12113).
Resistance
1kΩ
1k
Current
12 mA
1k
Voltage
+
1k
12 V
t = 5.694 s
time step = 5 µs

Link:

https://tinyurl.com/yyhwd6q5