

CSE 233
Experiment 1
200104004095
Mehmet Hüseyin YILDIZ

Resistor Value	1. Color	2. Color	3. Color	4. Color
560 $\Omega \pm \%10$	green	blue	brown	silver
20 k $\Omega \pm \%5$	red	black	orange	gold
33 k $\Omega \pm \%20$	orange	orange	orange	colorless
47 k $\Omega \pm \%5$	yellow	purple	orange	gold
1 k $\Omega \pm \%20$	black	brown	orange	colorless
Table 1				

1. Color	2. Color	3. Color	4. Color	Resistor Value
Brown	Gray	Black	Colorless	18 $\Omega \pm \%20$
Green	Blue	Purple	Silver	560M $\Omega \pm \%10$
Yellow	Purple	Brown	Gold	470 $\Omega \pm \%5$
White	Green	Black	Gold	95 $\Omega \pm \%5$
Red	White	Orange	Colorless	29k $\Omega \pm \%20$
Table 2				

Circuit	$R_{ab}[\Omega]$ Calculated	$R_{ab}[\Omega]$ Measured	Absolute Error [Ω]	Relative Error %
Circuit 1	6 k Ω			
Circuit 2	9.001 Ω			
Circuit 3	149.727 Ω			
Table 3				

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Node Voltage	V [V <i>olt</i>] Calculated	V [V <i>olt</i>] Measured	Absolute Error [Ω]	Relative Error %
V_{d1}	5 V			
V_{d2}	4.233 V			
V_{d3}	3.157 V			
V_{d4}	2.496 V			
Table 4				

Component	V [V <i>olt</i>] Calculated	V [V <i>olt</i>] Measured	Absolute Error [Ω]	Relative Error %
V_{K1}	5 V			
R1	0.767 V			
R2	4.233 V			
R3	1.076 V			
R4	3.157 V			
R5	0661 V			
R6	2.496 V			
Table 5				