



Normal	Reading ****
EA	
RT	
IT	
ER1	
ER2	
ER3	
ETP1	
ETP2	
ETP3	

Normal	R1 Onen
EA	
RT	
IT	
ER1	
ER2	
ER3	
ETP1	
ETP2	
ETP3	

Normal	R1 Short
EA	
RT	
IT	
ER1	
ER2	
ER3	
ETP1	
ETP2	
ETP3	

- 1) If R1 were to increase in ohm value, what would happen to the total current?
- 2) R2 is open, What is ER3 \_\_\_\_\_ ER1 \_\_\_\_\_
- 3) ETP1 = 70V ETP2 = 70V ETP3 = 0V What is the malfunction?
- 4) ETP1 = 70V ETP2 = 17V ETP3 = 0V What is the malfunction?
- 5) R3 is shorted, what happened to IR2?

6) Any open in any resistor makes resistance \_\_\_\_ and current \_\_\_\_.

7)  $I_{R1} = 0A$  what is the malfunction?

8) R2 is shorted, what happened to  $E_{R1}$  \_\_\_\_,  $E_{R3}$  \_\_\_\_\_

9) If the voltage drop of R1 and R2 increase what happened to  $E_{R3}$  Voltage \_\_\_\_\_

10)  $R_T = \infty$   $I_T =$  \_\_\_\_  $E_{R1} = 0V$   $E_{R2}$  \_\_\_\_\_  $E_{R3} = 0V$