Req = 10 KΩ, Vs=50V and Is = 5mA

|  |  |  |
| --- | --- | --- |
| Resistance (KΩ) | Current (mA) | Voltage Drop (V) |
| 6 | 5 | 30 |
| 8 | 2.5 | 20 |
| 5 | 2.5 | 12.5 |
| 4 | 1.875 | 7.5 |
| 12 | 0.625 | 7.5 |

Req = 8 KΩ, Vs=40V and Is = 5mA

|  |  |  |
| --- | --- | --- |
| Resistance (KΩ) | Current (mA) | Voltage Drop (V) |
| 3 | 5 | 15 |
| 5 | 2.5 | 12.5 |
| 10 | 1.25 | 12.5 |
| 4 (Right side of battery) | 1.25 | 5 |
| 6 (Right side of battery) | 1.25 | 7.5 |
| 8 | 2.5 | 20 |
| 4 (Left side of battery) | 1.25 | 5 |
| 6 (left side of battery) | .8333 | 5 |
| 12 | .41666 | 5 |

Req = 4.8 Ω, Is = 1 A and Vs=4.8V

|  |  |  |
| --- | --- | --- |
| Resistance (Ω) | Current (A) | Voltage Drop (V) |
| 6 | .8 | 4.8 |
| 9 | .2 | 1.8 |
| 30 | .1 | 3.0 |
| 30 | .1 | 3.0 |

Req = 10 KΩ, Vs=50V and Is = 5 mA

|  |  |  |
| --- | --- | --- |
| Resistance (KΩ) | Current (mA) | Voltage Drop (V) |
| 1 | 5 | 5 |
| 5 | 4 | 20 |
| 20 | 1 | 20 |
| 15 | 1.6667 | 25 |
| 30 | 0.8333 | 25 |
| 4 | 2.5 | 10 |
| 6 | 2.5 | 15 |

Req = 4 KΩ, Vs=10V and Is = 2.5 mA

|  |  |  |
| --- | --- | --- |
| Resistance (KΩ) | Current (mA) | Voltage Drop (V) |
| 1 | 2.5 | 2.5 |
| 1.5 | 2.5 | 3.75 |
| 2 | 1.25 | 2.5 |
| 1 | 1.25 | 1.25 |
| 3 | .8333 | 2.5 |
| 6 | .4166 | 2.5 |
| 2 | .625 | 1.25 |
| 2 | .625 | 1.25 |

Req = 5 Ω, Vs=20 V and Is = 4 A

|  |  |  |
| --- | --- | --- |
| Resistance (Ω) | Current (A) | Voltage Drop (V) |
| 1 | 4 | 4 |
| 5 | 2 | 10 |
| 3 | 2 | 6 |
| 2 | 2 | 4 |
| 2 | 2 | 4 |
| 4 | 2 | 8 |

Req = 12 KΩ, Vs=25 V and Is = 2.08 mA

|  |  |  |
| --- | --- | --- |
| Resistance (KΩ) | Current (mA) | Voltage Drop (V) |
| 5 | 2.08 | 10.41 |
| 10 | .418 | 4.18 |
| 10 | .418 | 4.18 |
| 5 | .836 | 4.18 |
| 10 | .418 | 4.18 |
| 5 | 2.08 | 10.41 |

Req = 19.03 KΩ, Vs=48 V and Is = 2.52 mA

|  |  |  |
| --- | --- | --- |
| Resistance (Ω) | Current (mA) | Voltage Drop (V) |
| 9 | 2.52 | 22.70 |
| 12 | 1.47833 | 17.74 |
| 8 | .264 | 2.115 |
| 8 | .264 | 2.115 |
| 4 | .528 | 2.115 |
| 15 | 1.04 | 15.625 |
| 3 | 2.52 | 7.56 |