**Opgave 1.**



|  |  |  |  |
| --- | --- | --- | --- |
|  | **U** | **I** | **R** |
| **R1** |  |  | **10Ω** |
| **R2** |  |  | **12Ω** |
| **R3** |  |  | **14Ω** |
| **R4** |  |  | **7,5Ω** |
| **R5** |  |  | **55Ω** |
| **R6** | **10V** | **1,3A** |  |
| **R7** |  |  | **7Ω** |
| **R8** |  |  | **8Ω** |
| **R9** |  |  | **9Ω** |
| **R10** |  |  | **8Ω** |
| **R11** |  |  | **6Ω** |
| **∑** |  |  |  |

**Opgave 2.**

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|  |  |  |  |
| --- | --- | --- | --- |
|  | **U** | **I** | **R** |
| **R1** |  |  | **5Ω** |
| **R2** |  |  | **10Ω** |
| **R3** |  |  | **20Ω** |
| **R4** |  |  | **60Ω** |
| **R5** |  |  | **10Ω** |
| **R6** |  |  | **20Ω** |
| **R7** |  |  | **60Ω** |
| **R8** |  | **1A** |  |
| **R9** |  |  | **20Ω** |
| **R10** |  |  | **40Ω** |
| **R11** |  |  | **12Ω** |
| **R12** |  |  | **9Ω** |
| **∑** |  |  | **16,5Ω** |

**Opgave 3.**



|  |  |  |  |
| --- | --- | --- | --- |
|  | **U** | **I** | **R** |
| **R1** |  |  | **10Ω** |
| **R2** |  |  | **10Ω** |
| **R3** |  |  | **40Ω** |
| **R4** |  |  | **3Ω** |
| **R5** |  |  | **4Ω** |
| **R6** |  |  | **2Ω** |
| **R7** |  |  | **5Ω** |
| **R8** |  | **1A** |  |
| **R9** |  |  | **11Ω** |
| **R10** |  |  | **10Ω** |
| **R11** |  |  | **15Ω** |
| **R12** |  |  | **35Ω** |
| **R13** |  |  | **14Ω** |
| **R14** |  |  | **10Ω** |
| **R15** |  |  | **10Ω** |
| **R16** |  |  | **5Ω** |
| **R17** |  |  | **5Ω** |
| **R18** |  |  | **5Ω** |
| **R19** |  |  | **5Ω** |
| **R20** |  |  | **5Ω** |
| **∑** |  |  | **7Ω** |

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**Opgave 4.**

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|  |  |  |  |
| --- | --- | --- | --- |
|  | **U** | **I** | **R** |
| **R1** |  | **2A** |  |
| **R2** |  |  | **2Ω** |
| **R3** |  |  | **2Ω** |
| **R4** |  | **2A** |  |
| **R5** | **6V** |  |  |
| **R6** |  |  | **3Ω** |
| **R7** |  |  | **3Ω** |
| **R8** |  |  | **4Ω** |
| **R9** | **8V** |  |  |
| **∑** | **18V** |  |  |