

Lösungen

1

```
Remove["Global`*"]
```

Daten

```
U = 230.volt;      R = 40.ohm;  
t = 7 * 24. h;  
hPreis = 0.16 sFr / kWh;
```

Rechnung

```
iStrom = U / R /. volt / ohm → ampere
```

```
5.75 ampere
```

```
P = U iStrom /. ampere volt → watt
```

```
1322.5 watt
```

```
W = P t /. h watt → kWh / 1000
```

```
222.18 kWh
```

```
kosten = W hPreis
```

```
35.5488 sFr
```