## problem set 1

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## 1 $\mathbf{E} \mathbf{T}_{\mathbf{E}} \mathbf{X} \, \mathbf{2}_{\boldsymbol{\varepsilon}}$

This is the the first problem of the problem set. Whoopee!

## 1.1

Example taken from text. ... when Einstein introduced his formula

$$e = m \cdot c^2 \tag{1}$$

which is at the same time the most widely known and the least well understood physical formula. . . . from which follows Kirchhoff's current law:

$$\sum_{k=1}^{n} I_k = 0. (2)$$

Kirchhoff's voltage law can be derived ...

## $\mathbf{2}$

This is the second problem of the problem set. Whoopee  $\dots$  and here it ends.