Part II
Listing

Warning: To reproduce the listings in a LaTeX document, use the same formatting instructions as those of the document portion of `oops.dtx` (such as `\documentclass`, `\usepackage`, and `\newtcblisting`), and remove any `^^A`. Any deviation from the original may require tinkering.[1]

Listing 1.

A: ^{x}% {y} @ {z}$ {x}{y}{z}
A: ^(x)% (y) @ (z)$ (x)(y)(z)
A: ^{x}, {y} & {z}$
A: [{x}% {y} @ {z}]

Listing 2.

A: x, y, *and* z xyz
A: (x), (y), *and* (z) (x)(y)(z)
A: x, y & z
A: [x, y, and z]

Listing 3.

B: w *and* x wxyz
B: w *and* x wx(y)(z)

Listing 4.

wx(y)(z)

Listing 5.

We call $\omega_1, \ldots, \omega_n$ the elementary events, and

$$\Omega = (\omega_1, \ldots, \omega_n)$$

the sample space.

Listing 6.

Let $\{\Omega, \mathcal{F}, \mathcal{P}\}$ denote the probability space, where $\mathcal{F} \subset 2^{\Omega}$.

Listing 7.

Ω $\mathcal{F}$ $\mathcal{P}$

[1] For instance, in testing v1.1, I realized `\usepackage[T1]{fontenc}` was needed, to work with `\documentclass{article}` in place of `\documentclass[full]{l3doc}`, hence added it to the document portion of `oops.dtx`

Listing 8.

Theorem 1 (Mittelwertsatz für n Variable) *Es sei $n \in \mathbb{N}$, $D \subseteq \mathbb{N}^n$ eine offene Menge und $f \in C^1(D, \mathbb{R})$. Dann gibt es auf jeder Strecke $[x_0, x] \subset D$ einen Punkt $\xi \in [x_0, x]$, so dass gilt*

$$\frac{f(x) - f(x_0)}{x - x_0} = \operatorname{grad} f(\xi)^\top$$

Listing 9.

```
\mathbb{N} \mathbb{R} D C^1 [x_0, x]
```