

Part II

Listing

Warning: To reproduce the listings in a L^AT_EX document, use the same setting as thout of the documentation 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.

```
% \OpsOption{
% ^^A% spaces betw. inner and outer brackets matter!->
% Separ={\ \char`@ \ }{\ \% \ }{\ \char`@ \ }}
% \Ops<Test>{ X = x, Y = y }*[\ \]
% { X = x, Y = y, Z = z }*[\ \]
% { X = x, Y = y }*s{\ \& \ }}[\ \]
% { X = x, Y = y }*s{\ \& \ }{\, \ }}[\ \]
% { X = x, Y = y, Z = z }*s{\ \& \ }}[\ \]
% { X = x, Y = y, Z = z }*s{\ \& \ }{\, \ }}[\ \]
% { X = x, Y = y, Z = z }*s{\ \& \ }{\, \ }{\ \& \ }}\ \
%
```

```
x @ y
x % y @ z
x & y
x & y
x & y & z
x, y & z
x, y & z
```

Listing 2.

```
% \OpsOption{ Separ = {\}\{.\}\{.}\}, Outer = {###1} }
% \OpsOption{ Write = \BooleanTrue }
% \Ops<Test>
% { KeyA = {.\}, KeyB = {\}, KeyC = {\%} }[]
% { KeyD = {d}, KeyE = {\%} }[]i{\#1\}
% { KeyF = {H}, KeyG = {e}, KeyH = {l} }*[]
% { KeyI = {\%}, KeyJ = {\%}, KeyK = {\%} }[.\{l\}.\{o\}]
% { KeyL = {l}, KeyM = {\char`[]}, KeyN = {\char`]} }[]
% { KeyO = {o}, KeyP = {\%}, KeyQ = {\%} }{\, \ }
% { KeyR = {w}, KeyS = {o}, KeyT = {r} }*s{\}\{\}\{o\}\{\char`[]\#1\}[]
% { KeyU = {\%}, KeyV = {\%}, KeyW = {\%} }[]
% { KeyX = {\%}, KeyY = {\%}, KeyZ = {\KeyB<Test>} }\nobreak
% \KeyL<Test>\KeyD<Test>\KeyZ<Test>\KeyN<Test>\ \
% \OpsClear
```

¹For 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 documentation portion of oops.dtx

```
% \OpsOption{ Write = \BooleanFalse }
%
```

{H}. {e}. {l}. {l}. {o}, [world!]

Listing 3.

```
% \OpsRead
% \KeyF<Test>\KeyA<Test>\nobreak
% \KeyG<Test>\KeyA<Test>\nobreak
% \KeyH<Test>\KeyA<Test>\nobreak
% \KeyH<Test>\KeyA<Test>\nobreak
% {\}\nobreak\KeyO<Test>{\}}, {\}\nobreak
% \KeyM<Test>\KeyR<Test>\nobreak
% \KeyO<Test>\nobreak
% \KeyT<Test>\nobreak
% \KeyL<Test>\nobreak
% \KeyD<Test>\nobreak
% \KeyZ<Test>\nobreak
% \KeyN<Test>\nobreak
% \OpsClear<Test>
%
```

{H}. {e}. {l}. {l}. {o}, [world!]

Listing 4.

```
% \OpsOption{Inner, Separ, Outer}
% \Ops[We call~]{Elms={\omega_{1}}, {\dots}, {\omega_n}}}*
% [~the elementary events, and ]{Space=\Omega}
% [\begin{equation*}\Space=(\Elms)\end{equation*}~the sample space.]
% {}
% \OpsClear
%
```

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

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

the sample space.

Listing 5.

```
% \OpsOption{ Write = \BooleanTrue }
% \Ops[Let~]
% {Space=\Omega, Field=\mathcal{F}, Meas=\mathcal{P}}
% *s{\,,}\o{\$\{#1\}\$}
% [~denote the probability space, where $\Field\subset 2^{\Space}$.]
```