

API Documentation

API Documentation

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1 Package lotto

1.1 Modules

- **dialog** (*Section 2, p. 3*)
 - **show_drawing**: pyLottoSimu (*Section 3, p. 4*)
- **lotto_gui1**: The signals for the GUI (*Section 4, p. 8*)
- **lottokugeln_rc** (*Section 5, p. 14*)
- **zufallszahl**: Erzeugen einer Zufallszahl, mit Modultest beim direkten Aufruf (*Section 6, p. 15*)

1.2 Variables

| Name | Description |
|--------------------------|--------------------|
| <code>__package__</code> | Value: None |

2 Package `lotto.dialog`

2.1 Modules

- `show__drawing`: `pyLottoSimu`
(Section 3, p. 4)

2.2 Variables

| Name | Description |
|--------------------------|---------------------------------|
| <code>__package__</code> | Value: <code>None</code> |

3 Module lotto.dialog.show__drawing

pyLottoSimu

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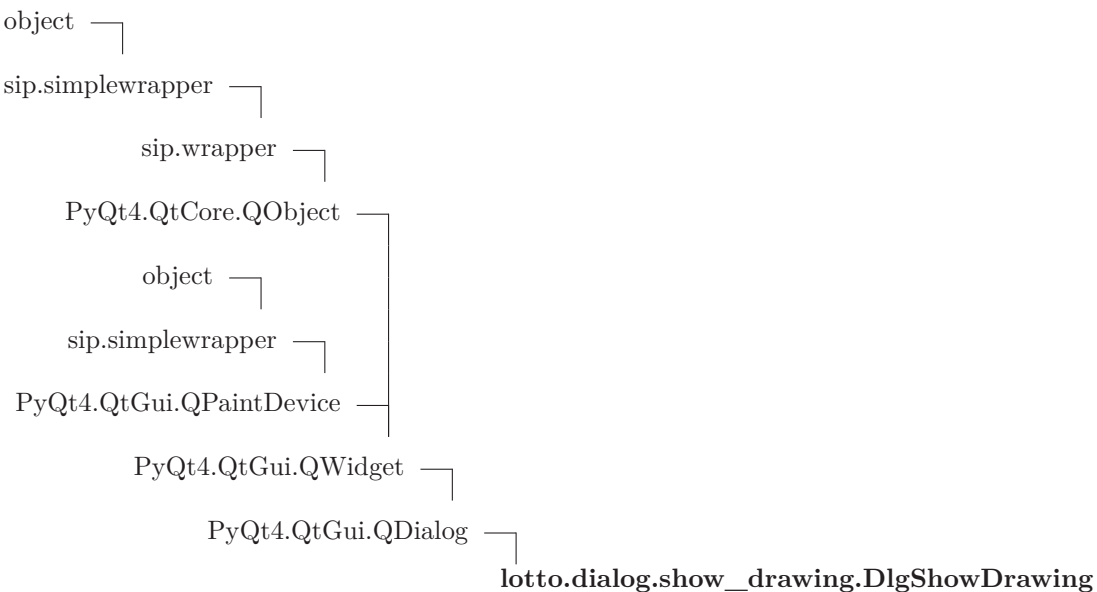
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3.1 Variables

| Name | Description |
|-------------|------------------------------|
| __package__ | Value: 'lotto.dialog' |

3.2 Class DlgShowDrawing



Show the numbers in a dialog box

3.2.1 Methods

| |
|---------------------------------------------------------------------|
| __init__ (self, draw_number, highest_number) |
| x.__init__(...) initializes x; see help(type(x)) for signature |
| Parameters |
| draw_number : the number of draw (type=tuple of int) |
| highest_number : the number of the PushButtons (type=int) |
| Return Value |
| none |
| Overrides: object.__init__ |

Inherited from PyQt4.QtGui.QDialog

accept(), accepted(), closeEvent(), contextMenuEvent(), done(), eventFilter(), exec_(), extension(), finished(), isSizeGripEnabled(), keyPressEvent(), minimumSizeHint(), open(), orientation(), reject(), rejected(), resizeEvent(), result(), setExtension(), setModal(), setOrientation(), setResult(), setSizeGripEnabled(), setVisible(), showEvent(), showExtension(), sizeHint()

Inherited from PyQt4.QtGui.QWidget

acceptDrops(), accessibleDescription(), accessibleName(), actionEvent(), actions(), activateWindow(), addAction(), addActions(), adjustSize(), autoFillBackground(), backgroundRole(), baseSize(), changeEvent(), childAt(), childrenRect(), childrenRegion(), clearFocus(), clearMask(), close(), contentsMargins(), contentsRect(), contextMenuPolicy(), create(), cursor(), customContextMenuRequested(), destroy(), devType(), dragEnterEvent(), dragLeaveEvent(), dragMoveEvent(), dropEvent(), effectiveWinId(), enabledChange(), ensurePolished(), enterEvent(), event(), find(), focusInEvent(), focusNextChild(), focusNextPrevChild(), focusOutEvent(), focusPolicy(), focusPreviousChild(), focusProxy(), focusWidget(), font(), fontChange(), fontInfo(), fontMetrics(), foregroundRole(), frameGeometry(), frameSize(), geometry(), getContentsMargins(), grabGesture(), grabKeyboard(), grabMouse(), grabShortcut(), graphicsEffect(), graphicsProxyWidget(), handle(), hasFocus(), hasMouseTracking(), height(), heightForWidth(), hide(), hideEvent(), inputContext(), inputMethodEvent(), inputMethodHints(), inputMethodQuery(), insertAction(), insertActions(), isActiveWindow(), isAncestorOf(), isEnabled(), isEnabledTo(), isEnabledToTLW(), isFullScreen(), isHidden(), isLeftToRight(), isMaximized(), isMinimized(), isModal(), isRightToLeft(), isTopLevel(), isVisible(), isVisibleTo(), isWindow(), isWindowModified(), keyReleaseEvent(), keyboardGrabber(), languageChange(), layout(), layoutDirection(), leaveEvent(), locale(), lower(), mapFrom(), mapFromGlobal(), mapFromParent(), mapTo(), mapToGlobal(), mapToParent(), mask(), maximumHeight(), maximumSize(), maximumWidth(), metric(), minimumHeight(),

minimumSize(), minimumWidth(), mouseDoubleClickEvent(), mouseGrabber(), mouseMoveEvent(), mousePressEvent(), mouseReleaseEvent(), move(), moveEvent(), nativeParentWidget(), nextInFocusChain(), normalGeometry(), overrideWindowFlags(), overrideWindowState(), paintEngine(), paintEvent(), palette(), paletteChange(), parentWidget(), pos(), previousInFocusChain(), raise_(), rect(), releaseKeyboard(), releaseMouse(), releaseShortcut(), removeAction(), render(), repaint(), resetInputContext(), resize(), restoreGeometry(), saveGeometry(), scroll(), setAcceptDrops(), setAccessibleDescription(), setAccessibleName(), setAttribute(), setAutoFillBackground(), setBackgroundRole(), setBaseSize(), setContentsMargins(), setContextMenuPolicy(), setCursor(), setDisabled(), setEnabled(), setFixedHeight(), setFixedSize(), setFixedWidth(), setFocus(), setFocusPolicy(), setFocusProxy(), setFont(), setForegroundRole(), setGeometry(), setGraphicsEffect(), setHidden(), setInputContext(), setInputMethodHints(), setLayout(), setLayoutDirection(), setLocale(), setMask(), setMaximumHeight(), setMaximumSize(), setMaximumWidth(), setMinimumHeight(), setMinimumSize(), setMinimumWidth(), setMouseTracking(), setPalette(), setParent(), setShortcutAutoRepeat(), setShortcutEnabled(), setShown(), setSizeIncrement(), setSizePolicy(), setStatusTip(), setStyle(), setStyleSheet(), setTabOrder(), setToolTip(), setUpdatesEnabled(), setWhatsThis(), setWindowFilePath(), setWindowFlags(), setWindowIcon(), setWindowIconText(), setWindowModality(), setWindowModified(), setWindowOpacity(), setWindowRole(), setWindowState(), setWindowTitle(), show(), showFullScreen(), showMaximized(), showMinimized(), showNormal(), size(), sizeIncrement(), sizePolicy(), stackUnder(), statusTip(), style(), styleSheet(), tabletEvent(), testAttribute(), tooltip(), topLevelWidget(), underMouse(), ungrabGesture(), unsetCursor(), unsetLayoutDirection(), unsetLocale(), update(), updateGeometry(), updateMicroFocus(), updatesEnabled(), visibleRegion(), whatsThis(), wheelEvent(), width(), winId(), window(), windowActivationChange(), windowFilePath(), windowFlags(), windowIcon(), windowIconText(), windowModality(), windowOpacity(), windowRole(), windowState(), windowTitle(), windowType(), x(), x11Info(), x11PictureHandle(), y()

Inherited from PyQt4.QtCore.QObject

__getattr__(), blockSignals(), childEvent(), children(), connect(), connectNotify(), customEvent(), deleteLater(), destroyed(), disconnect(), disconnectNotify(), dumpObjectInfo(), dumpObjectTree(), dynamicPropertyNames(), emit(), findChild(), findChildren(), inherits(), installEventFilter(), isWidgetType(), killTimer(), metaObject(), moveToThread(), objectName(), parent(), property(), pyqtConfigure(), receivers(), removeEventFilter(), sender(), senderSignalIndex(), setObjectName(), setProperty(), signalsBlocked(), startTimer(), thread(), timerEvent(), tr(), trUtf8()

Inherited from PyQt4.QtGui.QPaintDevice

colorCount(), depth(), heightMM(), logicalDpiX(), logicalDpiY(), numColors(), paintingActive(), physicalDpiX(), physicalDpiY(), widthMM()

Inherited from sip.simplewrapper

__new__()

Inherited from object

__delattr__(), __format__(), __getattr__(), __hash__(), __reduce__(),
__reduce_ex__(), __repr__(), __setattr__(), __sizeof__(), __str__(), __sub-
classhook__()

3.2.2 Properties

| Name | Description |
|------------------------------|-------------|
| <i>Inherited from object</i> | |
| __class__ | |

3.2.3 Class Variables

| Name | Description |
|--------------------------------------------------------------------------------------------------------------------------------|-------------|
| <i>Inherited from PyQt4.QtGui.QDialog</i> | |
| Accepted, Rejected | |
| <i>Inherited from PyQt4.QtGui.QWidget</i> | |
| DrawChildren, DrawWindowBackground, IgnoreMask | |
| <i>Inherited from PyQt4.QtCore.QObject</i> | |
| staticMetaObject | |
| <i>Inherited from PyQt4.QtGui.QPaintDevice</i> | |
| PdmDepth, PdmDpiX, PdmDpiY, PdmHeight, PdmHeightMM, PdmNumColors, PdmPhysicalDpiX, PdmPhysicalDpiY, PdmWidth, PdmWidthMM | |

4 Module `lotto.lotto_gui1`

The signals for the GUI

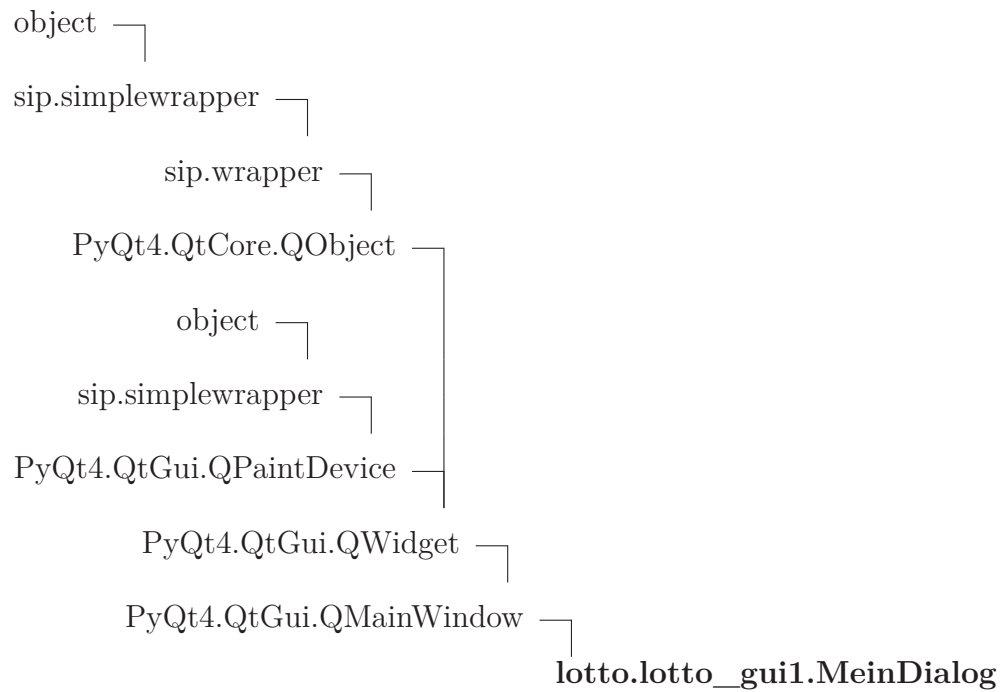
4.1 Functions

| |
|---------------------------------------------------------------|
| gui (<i>arguments</i>) |
| Open the GUI |
| Parameters |
| arguments: language (en, de) (<i>type=string</i>) |
| Return Value |
| none |

4.2 Variables

| Name | Description |
|--------------------------|-----------------------------------------|
| <code>__doc__</code> | Value: "The signals for the GUI" |
| <code>__package__</code> | Value: 'lotto' |

4.3 Class *MeinDialog*



The GUI and programm of the pyLottoSimu.

4.3.1 Methods

| |
|-----------------------------------------|
| <code>__init__(self)</code> |
| Initial user interface and slots |
| Overrides: <code>object.__init__</code> |

| |
|--------------------------------|
| <code>init(self)</code> |
| Initial variable |

| |
|-----------------------------------|
| <code>ontimer(self)</code> |
| Start time to show a number. |

| |
|----------------------------------------|
| <code>NaechsteZahl(self)</code> |
| Simulation of the draw . |

onbtn_draw_overview(*self*)

show dialog of the draw

onbtn_start(*self*)

Start simulation with the first drawing init timer with the valve from the Scrollbar the next drawing starts with the timer event.

actionLottosim(*self*)

Changing the layout for simulation or generation Move the textedit and change the visible.

onrandom_numbers_generator(*self*)

Show the output from the random number generator.

onclean_output_text(*self*)

Clean the output text

Return Value

none

oninfo(*self*)

Infoscreen

Return Value

none

onwebsite(*self*)

Open website

Return Value

none

onclose(*self*)

Close the GUI

Return Value

none

Inherited from *PyQt4.QtGui.QMainWindow*

`addDockWidget()`, `addToolBar()`, `addToolBarBreak()`, `centralWidget()`, `contextMenuEvent()`, `corner()`, `createPopupMenu()`, `dockOptions()`, `dockWidgetArea()`, `documentMode()`, `event()`, `iconSize()`, `iconSizeChanged()`, `insertToolBar()`, `insertToolBarBreak()`, `isAn-`

imated(), isDockNestingEnabled(), isSeparator(), menuBar(), menuWidget(), removeDockWidget(), removeToolBar(), removeToolBarBreak(), restoreDockWidget(), restoreState(), saveState(), setAnimated(), setCentralWidget(), setCorner(), setDockNestingEnabled(), setDockOptions(), setDocumentMode(), setIconSize(), setMenuBar(), setMenuWidget(), setStatusBar(), setTabPosition(), setTabShape(), setToolButtonStyle(), setUnifiedTitleAndToolBarOnMac(), splitDockWidget(), statusBar(), tabPosition(), tabShape(), tabifiedDockWidgets(), tabifyDockWidget(), toolBarArea(), toolBarBreak(), toolButtonStyle(), toolButtonStyleChanged(), unifiedTitleAndToolBarOnMac()

Inherited from PyQt4.QtGui.QWidget

acceptDrops(), accessibleDescription(), accessibleName(), actionEvent(), actions(), activateWindow(), addAction(), addActions(), adjustSize(), autoFillBackground(), backgroundRole(), baseSize(), changeEvent(), childAt(), childrenRect(), childrenRegion(), clearFocus(), clearMask(), close(), closeEvent(), contentsMargins(), contentsRect(), contextMenuPolicy(), create(), cursor(), customContextMenuRequested(), destroy(), devType(), dragEnterEvent(), dragLeaveEvent(), dragMoveEvent(), dropEvent(), effectiveWinId(), enabledChange(), ensurePolished(), enterEvent(), find(), focusInEvent(), focusNextChild(), focusNextPrevChild(), focusOutEvent(), focusPolicy(), focusPreviousChild(), focusProxy(), focusWidget(), font(), fontChange(), fontInfo(), fontMetrics(), foregroundRole(), frameGeometry(), frameSize(), geometry(), getContentsMargins(), grabGesture(), grabKeyboard(), grabMouse(), grabShortcut(), graphicsEffect(), graphicsProxyWidget(), handle(), hasFocus(), hasMouseTracking(), height(), heightForWidth(), hide(), hideEvent(), inputContext(), inputMethodEvent(), inputMethodHints(), inputMethodQuery(), insertAction(), insertActions(), isActiveWindow(), isAncestorOf(), isEnabled(), isEnabledTo(), isEnabledToTLW(), isFullScreen(), isHidden(), isLeftToRight(), isMaximized(), isMinimized(), isModal(), isRightToLeft(), isTopLevel(), isVisible(), isVisibleTo(), isWindow(), isWindowModified(), keyPressEvent(), keyReleaseEvent(), keyboardGrabber(), languageChange(), layout(), layoutDirection(), leaveEvent(), locale(), lower(), mapFrom(), mapFromGlobal(), mapFromParent(), mapTo(), mapToGlobal(), mapToParent(), mask(), maximumHeight(), maximumSize(), maximumWidth(), metric(), minimumHeight(), minimumSize(), minimumSizeHint(), minimumWidth(), mouseDoubleClickEvent(), mouseGrabber(), mouseMoveEvent(), mousePressEvent(), mouseReleaseEvent(), move(), moveEvent(), nativeParentWidget(), nextInFocusChain(), normalGeometry(), overrideWindowFlags(), overrideWindowState(), paintEngine(), paintEvent(), palette(), paletteChange(), parentWidget(), pos(), previousInFocusChain(), raise_(), rect(), releaseKeyboard(), releaseMouse(), releaseShortcut(), removeAction(), render(), repaint(), resetInputContext(), resize(), resizeEvent(), restoreGeometry(), saveGeometry(), scroll(), setAcceptDrops(), setAccessibleDescription(), setAccessibleName(), setAttribute(), setAutoFillBackground(), setBackgroundRole(), setBaseSize(), setContentsMargins(), setContextMenuPolicy(), setCursor(), setDisabled(), setEnabled(), setFixedHeight(), setFixedSize(), setFixedWidth(), setFocus(), setFocusPolicy(), setFocusProxy(), setFont(), setForegroundRole(), set-

Geometry(), setGraphicsEffect(), setHidden(), setInputContext(), setInputMethodHints(), setLayout(), setLayoutDirection(), setLocale(), setMask(), setMaximumHeight(), setMaximumSize(), setMaximumWidth(), setMinimumHeight(), setMinimumSize(), setMinimumWidth(), setMouseTracking(), setPalette(), setParent(), setShortcutAutoRepeat(), setShortcutEnabled(), setShown(), setSizeIncrement(), setSizePolicy(), setStatusTip(), setStyle(), setStyleSheet(), setTabOrder(), setToolTip(), setUpdatesEnabled(), setVisible(), setWhatsThis(), setWindowFilePath(), setWindowFlags(), setWindowIcon(), setWindowIconText(), setWindowModality(), setWindowModified(), setWindowOpacity(), setWindowRole(), setWindowState(), setWindowTitle(), show(), showEvent(), showFullScreen(), showMaximized(), showMinimized(), showNormal(), size(), sizeHint(), sizeIncrement(), sizePolicy(), stackUnder(), statusTip(), style(), styleSheet(), tabletEvent(), testAttribute(), toolTip(), topLevelWidget(), underMouse(), ungrabGesture(), unsetCursor(), unsetLayoutDirection(), unsetLocale(), update(), updateGeometry(), updateMicroFocus(), updatesEnabled(), visibleRegion(), whatsThis(), wheelEvent(), width(), winId(), window(), windowActivationChange(), windowFilePath(), windowFlags(), windowIcon(), windowIconText(), windowModality(), windowOpacity(), windowRole(), windowState(), windowTitle(), windowType(), x(), x11Info(), x11PictureHandle(), y()

Inherited from PyQt4.QtCore.QObject

__getattr__(), blockSignals(), childEvent(), children(), connect(), connectNotify(), customEvent(), deleteLater(), destroyed(), disconnect(), disconnectNotify(), dumpObjectInfo(), dumpObjectTree(), dynamicPropertyNames(), emit(), eventFilter(), findChild(), findChildren(), inherits(), installEventFilter(), isWidgetType(), killTimer(), metaObject(), moveToThread(), objectName(), parent(), property(), pyqtConfigure(), receivers(), removeEventFilter(), sender(), senderSignalIndex(), setObjectName(), setProperty(), signalsBlocked(), startTimer(), thread(), timerEvent(), tr(), trUtf8()

Inherited from PyQt4.QtGui.QPaintDevice

colorCount(), depth(), heightMM(), logicalDpiX(), logicalDpiY(), numColors(), paintingActive(), physicalDpiX(), physicalDpiY(), widthMM()

Inherited from sip.simplewrapper

__new__()

Inherited from object

__delattr__(), __format__(), __getattr__(), __hash__(), __reduce__(), __reduce_ex__(), __repr__(), __setattr__(), __sizeof__(), __str__(), __subclasshook__()

4.3.2 Properties

| Name | Description |
|-------------------------------------------|-------------|
| <i>Inherited from object</i> __class__ | |

4.3.3 Class Variables

| Name | Description |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| <i>Inherited from PyQt4.QtGui.QMainWindow</i> AllowNestedDocks, AllowTabbedDocks, AnimatedDocks, ForceTabbedDocks, VerticalTabs | |
| <i>Inherited from PyQt4.QtGui.QWidget</i> DrawChildren, DrawWindowBackground, IgnoreMask | |
| <i>Inherited from PyQt4.QtCore.QObject</i> staticMetaObject | |
| <i>Inherited from PyQt4.QtGui.QPaintDevice</i> PdmDepth, PdmDpiX, PdmDpiY, PdmHeight, PdmHeightMM, PdmNumColors, PdmPhysicalDpiX, PdmPhysicalDpiY, PdmWidth, PdmWidthMM | |

5 Module `lotto.lottokugeln_rc`

5.1 Functions

qInitResources()

qCleanupResources()

5.2 Variables

| Name | Description |
|---------------------------------|-----------------------------------------------------------------------------|
| <code>qt_resource_data</code> | Value: '\x00\x01\x94\x94\x89PNG\r\n\x1a\n\x00\x00\x00\rIHDR\x00\. |
| <code>qt_resource_name</code> | Value: '\x00\x0e\x00\xc9\x8e\xe7\x001\x00o\x00t\x00t\x00o\x00k\x. |
| <code>qt_resource_struct</code> | Value: '\x00\x00\x00\x00\x00\x02\x00\x00\x00\x01\x00\x00\x00\x01. |
| <code>__package__</code> | Value: 'lotto' |

6 Module *lotto.zufallszahl*

Erzeugen einer Zufallszahl, mit Modultest beim direkten Aufruf

pyLottoSimu

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6.1 Functions

zufallszahlen(*anzahl*, *maxwert*)

Zufallszahl ermitteln und als Wuerfelerggebnis nehmen return random valve

Parameters

anzahl: Gibt die Anzahl der Ausgabewerte an

(*type=int*)

maxwert: Gibt den höchsten Zahlenwert an

(*type=int*)

Return Value

Gibt Zufallszahlen zurueck. >>> zufallszahlen(16, 15) Traceback (most recent call last): ValueError: sample larger than population >>> zufallszahlen(16, -15) Traceback (most recent call last): ValueError: sample larger than population >>> zufallszahlen(-16, 15) Traceback (most recent call last): ValueError: sample larger than population >>> zufallszahlen(1, 1) [1] >>> zufallszahlen(1, 1.7) Traceback (most recent call last): TypeError: integer argument expected, got float >>> sorted(zufallszahlen(3, 3)) [1, 2, 3]

6.2 Variables

| Name | Description |
|--------------------------|-----------------------|
| <code>__package__</code> | Value: 'lotto' |

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