# **Arrow Documentation**

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## What?

Arrow is a Python library that offers a sensible, human-friendly approach to creating, manipulating, formatting and converting dates, times, and timestamps. It implements and updates the datetime type, plugging gaps in functionality, and provides an intelligent module API that supports many common creation scenarios. Simply put, it helps you work with dates and times with fewer imports and a lot less code.

Arrow is heavily inspired by moment.js and requests.

2 Chapter 1. What?

## Why?

Python's standard library and some other low-level modules have near-complete date, time and timezone functionality but don't work very well from a usability perspective:

- Too many modules: datetime, time, calendar, dateutil, pytz and more
- Too many types: date, time, datetime, tzinfo, timedelta, relativedelta, etc.
- Timezones and timestamp conversions are verbose and unpleasant
- Timezone naivety is the norm
- Gaps in functionality: ISO-8601 parsing, time spans, humanization

4 Chapter 2. Why?

## **Features**

- Fully implemented, drop-in replacement for datetime
- Supports Python 2.7, 3.4, 3.5, 3.6 and 3.7
- Timezone-aware & UTC by default
- Provides super-simple creation options for many common input scenarios
- Updated .replace method with support for relative offsets, including weeks
- Formats and parses strings automatically
- Partial ISO-8601 support
- Timezone conversion
- Timestamp available as a property
- Generates time spans, ranges, floors and ceilings in time frames from year to microsecond precision
- Humanizes and supports a growing list of contributed locales
- Extensible for your own Arrow-derived types

6 Chapter 3. Features

## **Quickstart**

```
$ pip install arrow
```

```
>>> import arrow
>>> utc = arrow.utcnow()
>>> utc
<Arrow [2013-05-11T21:23:58.970460+00:00]>
>>> utc = utc.shift(hours=-1)
>>> utc
<Arrow [2013-05-11T20:23:58.970460+00:00]>
>>> local = utc.to('US/Pacific')
>>> local
<Arrow [2013-05-11T13:23:58.970460-07:00]>
>>> arrow.get('2013-05-11T21:23:58.970460+00:00')
<Arrow [2013-05-11T21:23:58.970460+00:00]>
>>> local.timestamp
1368303838
>>> local.format()
'2013-05-11 13:23:58 -07:00'
>>> local.format('YYYY-MM-DD HH:mm:ss ZZ')
'2013-05-11 13:23:58 -07:00'
>>> local.humanize()
'an hour ago'
>>> local.humanize(locale='ko_kr')
'1 '
```

## **User's Guide**

## 5.1 Creation

#### Get 'now' easily:

```
>>> arrow.utcnow()
<Arrow [2013-05-07T04:20:39.369271+00:00]>
>>> arrow.now()
<Arrow [2013-05-06T21:20:40.841085-07:00]>
>>> arrow.now('US/Pacific')
<Arrow [2013-05-06T21:20:44.761511-07:00]>
```

#### Create from timestamps (ints or floats, or strings that convert to a float):

```
>>> arrow.get(1367900664)

<Arrow [2013-05-07T04:24:24+00:00]>

>>> arrow.get('1367900664')

<Arrow [2013-05-07T04:24:24+00:00]>

>>> arrow.get(1367900664.152325)

<Arrow [2013-05-07T04:24:24.152325+00:00]>

>>> arrow.get('1367900664.152325')

<Arrow [2013-05-07T04:24:24.152325+00:00]>
```

### Use a naive or timezone-aware datetime, or flexibly specify a timezone:

#### Parse from a string:

```
>>> arrow.get('2013-05-05 12:30:45', 'YYYYY-MM-DD HH:mm:ss')
<Arrow [2013-05-05T12:30:45+00:00]>
```

#### Search a date in a string:

```
>>> arrow.get('June was born in May 1980', 'MMMMM YYYY')
<Arrow [1980-05-01T00:00:00+00:00]>
```

Some ISO-8601 compliant strings are recognized and parsed without a format string:

```
>>> arrow.get('2013-09-30T15:34:00.000-07:00')
<Arrow [2013-09-30T15:34:00-07:00]>
```

Arrow objects can be instantiated directly too, with the same arguments as a datetime:

```
>>> arrow.get(2013, 5, 5)
<Arrow [2013-05-05T00:00:00+00:00]>
>>> arrow.Arrow(2013, 5, 5)
<Arrow [2013-05-05T00:00:00+00:00]>
```

## 5.2 Properties

Get a datetime or timestamp representation:

```
>>> a = arrow.utcnow()
>>> a.datetime
datetime.datetime(2013, 5, 7, 4, 38, 15, 447644, tzinfo=tzutc())
>>> a.timestamp
1367901495
```

Get a naive datetime, and tzinfo:

```
>>> a.naive datetime.datetime(2013, 5, 7, 4, 38, 15, 447644)
>>> a.tzinfo tzutc()
```

Get any datetime value:

```
>>> a.year
2013
```

Call datetime functions that return properties:

```
>>> a.date()
datetime.date(2013, 5, 7)
>>> a.time()
datetime.time(4, 38, 15, 447644)
```

## 5.3 Replace & shift

Get a new Arrow object, with altered attributes, just as you would with a datetime:

```
>>> arw = arrow.utcnow()
>>> arw
<Arrow [2013-05-12T03:29:35.334214+00:00]>
>>> arw.replace(hour=4, minute=40)
<Arrow [2013-05-12T04:40:35.334214+00:00]>
```

### Or, get one with attributes shifted forward or backward:

```
>>> arw.shift(weeks=+3)
<Arrow [2013-06-02T03:29:35.334214+00:00]>
```

#### Even replace the timezone without altering other attributes:

```
>>> arw.replace(tzinfo='US/Pacific')
<Arrow [2013-05-12T03:29:35.334214-07:00]>
```

## 5.4 Format

```
>>> arrow.utcnow().format('YYYY-MM-DD HH:mm:ss ZZ')
'2013-05-07 05:23:16 -00:00'
```

## 5.5 Convert

Convert to timezones by name or tzinfo:

```
>>> utc = arrow.utcnow()
>>> utc
<Arrow [2013-05-07T05:24:11.823627+00:00]>
>>> utc.to('US/Pacific')
<Arrow [2013-05-06T22:24:11.823627-07:00]>
>>> utc.to(tz.gettz('US/Pacific'))
<Arrow [2013-05-06T22:24:11.823627-07:00]>
```

#### Or using shorthand:

```
>>> utc.to('local')

<Arrow [2013-05-06T22:24:11.823627-07:00]>

>>> utc.to('local').to('utc')

<Arrow [2013-05-07T05:24:11.823627+00:00]>
```

## 5.6 Humanize

### Humanize relative to now:

```
>>> past = arrow.utcnow().shift(hours=-1)
>>> past.humanize()
'an hour ago'
```

5.4. Format 11

Or another Arrow, or datetime:

```
>>> present = arrow.utcnow()
>>> future = present.shift(hours=2)
>>> future.humanize(present)
'in 2 hours'
```

Support for a growing number of locales (see *locales.py* for supported languages):

```
>>> future = arrow.utcnow().shift(hours=1)
>>> future.humanize(a, locale='ru')
' 2 (,)'
```

## 5.7 Ranges & spans

Get the time span of any unit:

```
>>> arrow.utcnow().span('hour')
(<Arrow [2013-05-07T05:00:00+00:00]>, <Arrow [2013-05-07T05:59:59.999999+00:00]>)
```

Or just get the floor and ceiling:

```
>>> arrow.utcnow().floor('hour')
<Arrow [2013-05-07T05:00:00+00:00]>
>>> arrow.utcnow().ceil('hour')
<Arrow [2013-05-07T05:59:59.999999+00:00]>
```

You can also get a range of time spans:

```
>>> start = datetime(2013, 5, 5, 12, 30)
>>> end = datetime(2013, 5, 5, 17, 15)
>>> for r in arrow.Arrow.span_range('hour', start, end):
... print r
...
(<Arrow [2013-05-05T12:00:00+00:00]>, <Arrow [2013-05-05T12:59:59.999999+00:00]>)
(<Arrow [2013-05-05T13:00:00+00:00]>, <Arrow [2013-05-05T13:59:59.999999+00:00]>)
(<Arrow [2013-05-05T14:00:00+00:00]>, <Arrow [2013-05-05T14:59:59.999999+00:00]>)
(<Arrow [2013-05-05T15:00:00+00:00]>, <Arrow [2013-05-05T16:59:59.999999+00:00]>)
(<Arrow [2013-05-05T16:00:00+00:00]>, <Arrow [2013-05-05T16:59:59.999999+00:00]>)
```

Or just iterate over a range of time:

```
>>> start = datetime(2013, 5, 5, 12, 30)
>>> end = datetime(2013, 5, 5, 17, 15)
>>> for r in arrow.Arrow.range('hour', start, end):
... print repr(r)
...
<Arrow [2013-05-05T12:30:00+00:00]>
<Arrow [2013-05-05T14:30:00+00:00]>
<Arrow [2013-05-05T14:30:00+00:00]>
<Arrow [2013-05-05T15:30:00+00:00]>
<Arrow [2013-05-05T16:30:00+00:00]>
```

## 5.8 Factories

Use factories to harness Arrow's module API for a custom Arrow-derived type. First, derive your type:

Then get and use a factory for it:

```
>>> factory = arrow.ArrowFactory(CustomArrow)
>>> custom = factory.utcnow()
>>> custom
>>> <CustomArrow [2013-05-27T23:35:35.533160+00:00]>
>>> custom.days_till_xmas()
>>> 211
```

## 5.9 Tokens

Use the following tokens in parsing and formatting. Note that they're not the same as the tokens for strptime(3):

5.8. Factories

	Token	Output	
Year	YYYY	2000, 2001, 2002 2012, 2013	
	YY	00, 01, 02 12, 13	
Month	MMMM	January, February, March <sup>1</sup>	
	MMM	Jan, Feb, Mar <sup>1</sup>	
	MM	01, 02, 03 11, 12	
	M	1, 2, 3 11, 12	
Day of Year	DDDD	001, 002, 003 364, 365	
	DDD	1, 2, 3 4, 5	
Day of Month	DD	01, 02, 03 30, 31	
	D	1, 2, 3 30, 31	
	Do	1st, 2nd, 3rd 30th, 31st	
Day of Week	dddd	Monday, Tuesday, Wednesday <sup>2</sup>	
	ddd	Mon, Tue, Wed <sup>2</sup>	
	d	1, 2, 3 6, 7	
Hour	HH	00, 01, 02 23, 24	
	Н	0, 1, 2 23, 24	
	hh	01, 02, 03 11, 12	
	h	1, 2, 3 11, 12	
AM / PM	A	AM, PM, am, pm <sup>1</sup>	
	a	am, pm <sup>1</sup>	
Minute	mm	00, 01, 02 58, 59	
	m	0, 1, 2 58, 59	
Second	SS	00, 01, 02 58, 59	
	S	0, 1, 2 58, 59	
Sub-second	S	0, 02, 003, 000006, 123123123123 <sup>3</sup>	
Timezone	ZZZ	Asia/Baku, Europe/Warsaw, GMT <sup>4</sup>	
	ZZ	-07:00, -06:00 +06:00, +07:00	
	Z	-0700, -0600 +0600, +0700	
Timestamp	X	1381685817	

Any token can be escaped when parsing by enclosing it within square brackets:

```
>>> arrow.get("2018-03-09 8 h 40", "YYYY-MM-DD h [h] m")
<Arrow [2018-03-09T08:40:00+00:00]>
```

<sup>&</sup>lt;sup>1</sup>localization support for parsing and formatting

<sup>&</sup>lt;sup>2</sup>localization support only for formatting

<sup>&</sup>lt;sup>3</sup>the result is truncated to microseconds, with half-to-even rounding.

 $<sup>^4</sup>$ timezone names from tz database provided via dateutil package

## **API** Guide

## 6.1 arrow.arrow

Provides the Arrow class, an enhanced datetime replacement.

```
class arrow.arrow.Arrow(year, month, day, hour=0, minute=0, second=0, microsecond=0, tz-
info=None)
```

An Arrow object.

Implements the datetime interface, behaving as an aware datetime while implementing additional functionality.

#### **Parameters**

- **year** the calendar year.
- month the calendar month.
- day the calendar day.
- hour (optional) the hour. Defaults to 0.
- minute (optional) the minute, Defaults to 0.
- **second** (optional) the second, Defaults to 0.
- microsecond (optional) the microsecond. Defaults 0.
- tzinfo (optional) A timezone expression. Defaults to UTC.

Recognized timezone expressions:

- •A tzinfo object.
- •A str describing a timezone, similar to 'US/Pacific', or 'Europe/Berlin'.
- •A str in ISO-8601 style, as in '+07:00'.
- •A str, one of the following: 'local', 'utc', 'UTC'.

### Usage:

```
>>> import arrow
>>> arrow.Arrow(2013, 5, 5, 12, 30, 45)
<Arrow [2013-05-05T12:30:45+00:00]>
```

### classmethod now (tzinfo=None)

Constructs an Arrow object, representing "now" in the given timezone.

**Parameters** tzinfo – (optional) a tzinfo object. Defaults to local time.

Usage:

```
>>> arrow.now('Asia/Baku')
<Arrow [2019-01-24T20:26:31.146412+04:00]>
```

#### classmethod utcnow()

Constructs an Arrow object, representing "now" in UTC time.

Usage:

```
>>> arrow.utcnow()
<Arrow [2019-01-24T16:31:40.651108+00:00]>
```

#### classmethod fromtimestamp (timestamp, tzinfo=None)

Constructs an Arrow object from a timestamp, converted to the given timezone.

#### **Parameters**

- timestamp an int or float timestamp, or a str that converts to either.
- tzinfo (optional) a tzinfo object. Defaults to local time.

Timestamps should always be UTC. If you have a non-UTC timestamp:

#### classmethod utcfromtimestamp (timestamp)

Constructs an Arrow object from a timestamp, in UTC time.

**Parameters timestamp** – an int or float timestamp, or a str that converts to either.

#### classmethod fromdatetime (dt, tzinfo=None)

Constructs an Arrow object from a datetime and optional replacement timezone.

#### **Parameters**

- dt the datetime
- tzinfo (optional) A timezone expression. Defaults to dt's timezone, or UTC if naive.

If you only want to replace the timezone of naive datetimes:

```
>>> dt
datetime.datetime(2013, 5, 5, 0, 0, tzinfo=tzutc())
>>> arrow.Arrow.fromdatetime(dt, dt.tzinfo or 'US/Pacific')
<Arrow [2013-05-05T00:00:00+00:00]>
```

#### **classmethod fromdate** (*date*, *tzinfo=None*)

Constructs an Arrow object from a date and optional replacement timezone. Time values are set to 0.

#### **Parameters**

- date the date
- tzinfo (optional) A timezone expression. Defaults to UTC.

#### classmethod strptime (date\_str, fmt, tzinfo=None)

Constructs an Arrow object from a date string and format, in the style of datetime.strptime. Optionally replaces the parsed timezone.

#### **Parameters**

• date\_str - the date string.

- **fmt** the format string.
- tzinfo (optional) A *timezone expression*. Defaults to the parsed timezone if fmt contains a timezone directive, otherwise UTC.

#### Usage:

classmethod range (frame, start, end=None, tz=None, limit=None)

Returns an iterator of Arrow objects, representing points in time between two inputs.

#### **Parameters**

- **frame** The timeframe. Can be any datetime property (day, hour, minute...).
- **start** A datetime expression, the start of the range.
- end (optional) A datetime expression, the end of the range.
- tz (optional) A *timezone expression*. Defaults to start's timezone, or UTC if start is naive.
- limit (optional) A maximum number of tuples to return.

**NOTE**: The end or limit must be provided. Call with end alone to return the entire range. Call with limit alone to return a maximum # of results from the start. Call with both to cap a range at a maximum # of results.

**NOTE**: tz internally **replaces** the timezones of both start and end before iterating. As such, either call with naive objects and tz, or aware objects from the same timezone and no tz.

Supported frame values: year, quarter, month, week, day, hour, minute, second.

Recognized datetime expressions:

- •An Arrow object.
- •A datetime object.

#### Usage:

**NOTE**: Unlike Python's range, end *may* be included in the returned iterator:

```
>>> start = datetime(2013, 5, 5, 12, 30)
>>> end = datetime(2013, 5, 5, 13, 30)
>>> for r in arrow.Arrow.range('hour', start, end):
... print(repr(r))
...
<Arrow [2013-05-05T12:30:00+00:00]>
<Arrow [2013-05-05T13:30:00+00:00]>
```

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**classmethod span range** (frame, start, end, tz=None, limit=None)

Returns an iterator of tuples, each Arrow objects, representing a series of timespans between two inputs.

#### **Parameters**

- **frame** The timeframe. Can be any datetime property (day, hour, minute...).
- **start** A datetime expression, the start of the range.
- end (optional) A datetime expression, the end of the range.
- tz (optional) A *timezone expression*. Defaults to start's timezone, or UTC if start is naive.
- limit (optional) A maximum number of tuples to return.

**NOTE**: The end or limit must be provided. Call with end alone to return the entire range. Call with limit alone to return a maximum # of results from the start. Call with both to cap a range at a maximum # of results.

**NOTE**: tz internally **replaces** the timezones of both start and end before iterating. As such, either call with naive objects and tz, or aware objects from the same timezone and no tz.

Supported frame values: year, quarter, month, week, day, hour, minute, second.

Recognized datetime expressions:

- •An Arrow object.
- •A datetime object.

**NOTE**: Unlike Python's range, end will *always* be included in the returned iterator of timespans.

Usage:

```
>>> start = datetime(2013, 5, 5, 12, 30)
>>> end = datetime(2013, 5, 5, 17, 15)
>>> for r in arrow.Arrow.span_range('hour', start, end):
... print(r)
...

(<Arrow [2013-05-05T12:00:00+00:00]>, <Arrow [2013-05-05T12:59:59.999999+00:00]>)
(<Arrow [2013-05-05T13:00:00+00:00]>, <Arrow [2013-05-05T13:59:59.999999+00:00]>)
(<Arrow [2013-05-05T14:00:00+00:00]>, <Arrow [2013-05-05T14:59:59.999999+00:00]>)
(<Arrow [2013-05-05T15:00:00+00:00]>, <Arrow [2013-05-05T15:59:59.999999+00:00]>)
(<Arrow [2013-05-05T16:00:00+00:00]>, <Arrow [2013-05-05T16:59:59.999999+00:00]>)
(<Arrow [2013-05-05T17:00:00+00:00]>, <Arrow [2013-05-05T17:59:59.999999+00:00]>)
```

## classmethod interval (frame, start, end, interval=1, tz=None)

Returns an iterator of tuples, each Arrow objects, representing a series of intervals between two inputs.

#### **Parameters**

- **frame** The timeframe. Can be any datetime property (day, hour, minute...).
- **start** A datetime expression, the start of the range.
- **end** (optional) A datetime expression, the end of the range.
- **interval** (optional) Time interval for the given time frame.
- tz (optional) A timezone expression. Defaults to UTC.

Supported frame values: year, quarter, month, week, day, hour, minute, second

Recognized datetime expressions:

•An Arrow object.

•A datetime object.

Recognized timezone expressions:

- •A tzinfo object.
- •A str describing a timezone, similar to 'US/Pacific', or 'Europe/Berlin'.
- •A str in ISO-8601 style, as in '+07:00'.
- •A str, one of the following: 'local', 'utc', 'UTC'.

#### Usage:

```
>>> start = datetime(2013, 5, 5, 12, 30)
>>> end = datetime(2013, 5, 5, 17, 15)
>>> for r in arrow.Arrow.interval('hour', start, end, 2):
... print r
...

(<Arrow [2013-05-05T12:00:00+00:00]>, <Arrow [2013-05-05T13:59:59.999999+00:00]>)
(<Arrow [2013-05-05T14:00:00+00:00]>, <Arrow [2013-05-05T15:59:59.999999+00:00]>)
(<Arrow [2013-05-05T16:00:00+00:00]>, <Arrow [2013-05-05T17:59:59.999999+00:0]>)
```

#### tzinfo

Gets the tzinfo of the Arrow object.

Usage:

```
>>> arw=arrow.utcnow()
>>> arw.tzinfo
tzutc()
```

#### datetime

Returns a datetime representation of the Arrow object.

Usage:

```
>>> arw=arrow.utcnow()
>>> arw.datetime
datetime.datetime(2019, 1, 24, 16, 35, 27, 276649, tzinfo=tzutc())
```

### naive

Returns a naive datetime representation of the Arrow object.

Usage:

```
>>> nairobi = arrow.now('Africa/Nairobi')
>>> nairobi
<Arrow [2019-01-23T19:27:12.297999+03:00]>
>>> nairobi.naive
datetime.datetime(2019, 1, 23, 19, 27, 12, 297999)
```

#### timestamp

Returns a timestamp representation of the Arrow object, in UTC time.

Usage:

```
>>> arrow.utcnow().timestamp
1548260567
```

### float\_timestamp

Returns a floating-point representation of the Arrow object, in UTC time.

Usage:

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```
>>> arrow.utcnow().float_timestamp
1548260516.830896
```

#### clone()

Returns a new Arrow object, cloned from the current one.

Usage:

```
>>> arw = arrow.utcnow()
>>> cloned = arw.clone()
```

#### replace (\*\*kwargs)

Returns a new Arrow object with attributes updated according to inputs.

Use property names to set their value absolutely:

```
>>> import arrow
>>> arw = arrow.utcnow()
>>> arw
<Arrow [2013-05-11T22:27:34.787885+00:00]>
>>> arw.replace(year=2014, month=6)
<Arrow [2014-06-11T22:27:34.787885+00:00]>
```

You can also replace the timezone without conversion, using a timezone expression:

```
>>> arw.replace(tzinfo=tz.tzlocal())
<Arrow [2013-05-11T22:27:34.787885-07:00]>
```

#### shift (\*\*kwargs)

Returns a new Arrow object with attributes updated according to inputs.

Use pluralized property names to shift their current value relatively:

```
>>> import arrow
>>> arw = arrow.utcnow()
>>> arw
<Arrow [2013-05-11T22:27:34.787885+00:00]>
>>> arw.shift(years=1, months=-1)
<Arrow [2014-04-11T22:27:34.787885+00:00]>
```

Day-of-the-week relative shifting can use either Python's weekday numbers (Monday = 0, Tuesday = 1 .. Sunday = 6) or using dateutil.relativedelta's day instances (MO, TU .. SU). When using weekday numbers, the returned date will always be greater than or equal to the starting date.

Using the above code (which is a Saturday) and asking it to shift to Saturday:

```
>>> arw.shift(weekday=5)
<Arrow [2013-05-11T22:27:34.787885+00:00]>
```

While asking for a Monday:

```
>>> arw.shift(weekday=0)
<Arrow [2013-05-13T22:27:34.787885+00:00]>
```

#### **to** (tz.)

Returns a new Arrow object, converted to the target timezone.

**Parameters** tz – A timezone expression.

Usage:

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```
>>> utc = arrow.utcnow()
>>> utc

<Arrow [2013-05-09T03:49:12.311072+00:00]>

>>> utc.to('US/Pacific')
<Arrow [2013-05-08T20:49:12.311072-07:00]>

>>> utc.to(tz.tzlocal())
<Arrow [2013-05-08T20:49:12.311072-07:00]>

>>> utc.to('-07:00')
<Arrow [2013-05-08T20:49:12.311072-07:00]>

>>> utc.to('local')
<Arrow [2013-05-08T20:49:12.311072-07:00]>

>>> utc.to('local').to('utc')
<Arrow [2013-05-09T03:49:12.311072+00:00]>
```

#### span (frame, count=1)

Returns two new Arrow objects, representing the timespan of the Arrow object in a given timeframe.

#### **Parameters**

- **frame** the timeframe. Can be any datetime property (day, hour, minute...).
- **count** (optional) the number of frames to span.

Supported frame values: year, quarter, month, week, day, hour, minute, second.

Usage:

#### floor (frame)

Returns a new Arrow object, representing the "floor" of the timespan of the Arrow object in a given timeframe. Equivalent to the first element in the 2-tuple returned by span.

**Parameters frame** – the timeframe. Can be any datetime property (day, hour, minute...).

Usage:

```
>>> arrow.utcnow().floor('hour')
<Arrow [2013-05-09T03:00:00+00:00]>
```

#### ceil (frame)

Returns a new Arrow object, representing the "ceiling" of the timespan of the Arrow object in a given timeframe. Equivalent to the second element in the 2-tuple returned by span.

Parameters frame - the timeframe. Can be any datetime property (day, hour, minute...).

Usage:

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```
>>> arrow.utcnow().ceil('hour')
<Arrow [2013-05-09T03:59:59.999999+00:00]>
```

format (fmt='YYYY-MM-DD HH:mm:ssZZ', locale='en\_us')

Returns a string representation of the Arrow object, formatted according to a format string.

**Parameters** fmt – the format string.

Usage:

```
>>> arrow.utcnow().format('YYYY-MM-DD HH:mm:ss ZZ')
'2013-05-09 03:56:47 -00:00'

>>> arrow.utcnow().format('X')
'1368071882'

>>> arrow.utcnow().format('MMMM DD, YYYY')
'May 09, 2013'

>>> arrow.utcnow().format()
'2013-05-09 03:56:47 -00:00'
```

humanize (other=None, locale='en\_us', only\_distance=False, granularity='auto')
Returns a localized, humanized representation of a relative difference in time.

#### **Parameters**

- other (optional) an Arrow or datetime object. Defaults to now in the current Arrow object's timezone.
- locale (optional) a str specifying a locale. Defaults to 'en\_us'.
- only\_distance (optional) returns only time difference eg: "11 seconds" without "in" or "ago" part.
- **granularity** (optional) defines the precision of the output. Set it to strings 'second', 'minute', 'hour', 'day', 'month' or 'year'.

Usage:

```
>>> earlier = arrow.utcnow().shift(hours=-2)
>>> earlier.humanize()
'2 hours ago'

>>> later = earlier.shift(hours=4)
>>> later.humanize(earlier)
'in 4 hours'
```

#### date()

Returns a date object with the same year, month and day.

Usage:

```
>>> arrow.utcnow().date()
datetime.date(2019, 1, 23)
```

#### time()

Returns a time object with the same hour, minute, second, microsecond.

Usage:

```
>>> arrow.utcnow().time()
datetime.time(12, 15, 34, 68352)
```

#### timetz()

Returns a time object with the same hour, minute, second, microsecond and tzinfo.

Usage:

```
>>> arrow.utcnow().timetz()
datetime.time(12, 5, 18, 298893, tzinfo=tzutc())
```

#### astimezone(tz)

Returns a datetime object, converted to the specified timezone.

Parameters tz - a tzinfo object.

Usage:

```
>>> pacific=arrow.now('US/Pacific')
>>> nyc=arrow.now('America/New_York').tzinfo
>>> pacific.astimezone(nyc)
datetime.datetime(2019, 1, 20, 10, 24, 22, 328172, tzinfo=tzfile('/usr/share/zoneinfo/America)
```

#### utcoffset()

Returns a timedelta object representing the whole number of minutes difference from UTC time.

Usage:

```
>>> arrow.now('US/Pacific').utcoffset()
datetime.timedelta(-1, 57600)
```

#### dst()

Returns the daylight savings time adjustment.

Usage:

```
>>> arrow.utcnow().dst()
datetime.timedelta(0)
```

#### timetuple()

Returns a time.struct\_time, in the current timezone.

Usage:

```
>>> arrow.utcnow().timetuple()
time.struct_time(tm_year=2019, tm_mon=1, tm_mday=20, tm_hour=15, tm_min=17, tm_sec=8, tm_wda
```

#### utctimetuple()

Returns a time.struct\_time, in UTC time.

Usage:

```
>>> arrow.utcnow().utctimetuple()
time.struct_time(tm_year=2019, tm_mon=1, tm_mday=19, tm_hour=21, tm_min=41, tm_sec=7, tm_wday=10
```

#### toordinal()

Returns the proleptic Gregorian ordinal of the date.

Usage:

```
>>> arrow.utcnow().toordinal()
737078
```

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#### weekday()

Returns the day of the week as an integer (0-6).

Usage:

```
>>> arrow.utcnow().weekday()
5
```

### isoweekday()

Returns the ISO day of the week as an integer (1-7).

Usage

```
>>> arrow.utcnow().isoweekday()
6
```

#### isocalendar()

Returns a 3-tuple, (ISO year, ISO week number, ISO weekday).

Usage:

```
>>> arrow.utcnow().isocalendar()
(2019, 3, 6)
```

#### isoformat (sep='T')

Returns an ISO 8601 formatted representation of the date and time.

Usage:

```
>>> arrow.utcnow().isoformat()
'2019-01-19T18:30:52.442118+00:00'
```

#### ctime()

Returns a ctime formatted representation of the date and time.

Usage:

```
>>> arrow.utcnow().ctime()
'Sat Jan 19 18:26:50 2019'
```

#### strftime (format)

Formats in the style of datetime.strftime.

**Parameters** format – the format string.

Usage:

```
>>> arrow.utcnow().strftime('%d-%m-%Y %H:%M:%S')
'23-01-2019 12:28:17'
```

### for\_json()

Serializes for the for\_json protocol of simplejson.

Usage:

```
>>> arrow.utcnow().for_json()
'2019-01-19T18:25:36.760079+00:00'
```

## 6.2 arrow.factory

Implements the ArrowFactory class, providing factory methods for common Arrow construction scenarios.

class arrow.factory.ArrowFactory (type=<class 'arrow.arrow.Arrow'>)
 A factory for generating Arrow objects.

Parameters type – (optional) the Arrow-based class to construct from. Defaults to Arrow.

```
get (*args, **kwargs)
```

Returns an Arrow object based on flexible inputs.

#### **Parameters**

- locale (optional) a str specifying a locale for the parser. Defaults to 'en\_us'.
- tzinfo (optional) a *timezone expression* or tzinfo object. Replaces the timezone unless using an input form that is explicitly UTC or specifies the timezone in a positional argument. Defaults to UTC.

Usage:

```
>>> import arrow
```

**No inputs** to get current UTC time:

```
>>> arrow.get()
<Arrow [2013-05-08T05:51:43.316458+00:00]>
```

**None** to also get current UTC time:

```
>>> arrow.get(None)
<Arrow [2013-05-08T05:51:49.016458+00:00]>
```

**One** *Arrow* object, to get a copy.

```
>>> arw = arrow.utcnow()
>>> arrow.get(arw)
<Arrow [2013-10-23T15:21:54.354846+00:00]>
```

One str, float, or int, convertible to a floating-point timestamp, to get that timestamp in UTC:

**One** ISO-8601-formatted str, to parse it:

```
>>> arrow.get('2013-09-29T01:26:43.830580')
<Arrow [2013-09-29T01:26:43.830580+00:00]>
```

**One** tzinfo, to get the current time **converted** to that timezone:

```
>>> arrow.get(tz.tzlocal())
<Arrow [2013-05-07T22:57:28.484717-07:00]>
```

One naive datetime, to get that datetime in UTC:

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```
>>> arrow.get(datetime(2013, 5, 5))
<Arrow [2013-05-05T00:00:00+00:00]>
```

One aware datetime, to get that datetime:

```
>>> arrow.get(datetime(2013, 5, 5, tzinfo=tz.tzlocal()))
<Arrow [2013-05-05T00:00:00-07:00]>
```

One naive date, to get that date in UTC:

```
>>> arrow.get(date(2013, 5, 5))
<Arrow [2013-05-05T00:00:00+00:00]>
```

**Two** arguments, a naive or aware datetime, and a replacement *timezone expression*:

```
>>> arrow.get(datetime(2013, 5, 5), 'US/Pacific')
<Arrow [2013-05-05T00:00:00-07:00]>
```

**Two** arguments, a naive date, and a replacement *timezone expression*:

```
>>> arrow.get(date(2013, 5, 5), 'US/Pacific')
<Arrow [2013-05-05T00:00:00-07:00]>
```

**Two** arguments, both str, to parse the first according to the format of the second:

```
>>> arrow.get('2013-05-05 12:30:45 America/Chicago', 'YYYYY-MM-DD HH:mm:ss ZZZ')
<Arrow [2013-05-05T12:30:45-05:00]>
```

**Two** arguments, first a str to parse and second a list of formats to try:

```
>>> arrow.get('2013-05-05 12:30:45', ['MM/DD/YYYY', 'YYYY-MM-DD HH:mm:ss'])
<Arrow [2013-05-05T12:30:45+00:00]>
```

**Three or more** arguments, as for the constructor of a datetime:

```
>>> arrow.get(2013, 5, 5, 12, 30, 45)
<Arrow [2013-05-05T12:30:45+00:00]>
```

One time.struct time:

```
>>> arrow.get(gmtime(0))
<Arrow [1970-01-01T00:00:00+00:00]>
```

utcnow()

Returns an Arrow object, representing "now" in UTC time.

Usage:

```
>>> import arrow
>>> arrow.utcnow()
<Arrow [2013-05-08T05:19:07.018993+00:00]>
```

now(tz=None)

Returns an Arrow object, representing "now" in the given timezone.

**Parameters** tz – (optional) A *timezone expression*. Defaults to local time.

Usage:

```
>>> import arrow
>>> arrow.now()
<Arrow [2013-05-07T22:19:11.363410-07:00]>
```

## 6.3 arrow.api

Provides the default implementation of ArrowFactory methods for use as a module API.

```
arrow.api.get(*args, **kwargs)
```

Returns an Arrow object based on flexible inputs.

#### **Parameters**

- locale (optional) a str specifying a locale for the parser. Defaults to 'en\_us'.
- tzinfo (optional) a *timezone expression* or tzinfo object. Replaces the timezone unless using an input form that is explicitly UTC or specifies the timezone in a positional argument. Defaults to UTC.

Usage:

```
>>> import arrow
```

**No inputs** to get current UTC time:

```
>>> arrow.get()
<Arrow [2013-05-08T05:51:43.316458+00:00]>
```

**None** to also get current UTC time:

```
>>> arrow.get(None)
<Arrow [2013-05-08T05:51:49.016458+00:00]>
```

One Arrow object, to get a copy.

```
>>> arw = arrow.utcnow()
>>> arrow.get(arw)
<Arrow [2013-10-23T15:21:54.354846+00:00]>
```

One str, float, or int, convertible to a floating-point timestamp, to get that timestamp in UTC:

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**One** ISO-8601-formatted str, to parse it:

```
>>> arrow.get('2013-09-29T01:26:43.830580')
<Arrow [2013-09-29T01:26:43.830580+00:00]>
```

**One** tzinfo, to get the current time **converted** to that timezone:

```
>>> arrow.get(tz.tzlocal())
<Arrow [2013-05-07T22:57:28.484717-07:00]>
```

One naive datetime, to get that datetime in UTC:

```
>>> arrow.get(datetime(2013, 5, 5))
<Arrow [2013-05-05T00:00:00+00:00]>
```

One aware datetime, to get that datetime:

```
>>> arrow.get(datetime(2013, 5, 5, tzinfo=tz.tzlocal()))
<Arrow [2013-05-05T00:00:00-07:00]>
```

One naive date, to get that date in UTC:

```
>>> arrow.get(date(2013, 5, 5))
<Arrow [2013-05-05T00:00:00+00:00]>
```

**Two** arguments, a naive or aware datetime, and a replacement *timezone expression*:

```
>>> arrow.get(datetime(2013, 5, 5), 'US/Pacific')
<Arrow [2013-05-05T00:00:00-07:00]>
```

Two arguments, a naive date, and a replacement timezone expression:

```
>>> arrow.get(date(2013, 5, 5), 'US/Pacific')
<Arrow [2013-05-05T00:00-07:00]>
```

Two arguments, both str, to parse the first according to the format of the second:

**Two** arguments, first a str to parse and second a list of formats to try:

```
>>> arrow.get('2013-05-05 12:30:45', ['MM/DD/YYYY', 'YYYY-MM-DD HH:mm:ss'])
<Arrow [2013-05-05T12:30:45+00:00]>
```

**Three or more** arguments, as for the constructor of a datetime:

```
>>> arrow.get(2013, 5, 5, 12, 30, 45)
<Arrow [2013-05-05T12:30:45+00:00]>
```

**One** time.struct time:

```
>>> arrow.get(gmtime(0))
<Arrow [1970-01-01T00:00:00+00:00]>
```

```
arrow.api.utcnow()
```

Returns an Arrow object, representing "now" in UTC time.

Usage:

```
>>> import arrow
>>> arrow.utcnow()
<Arrow [2013-05-08T05:19:07.018993+00:00]>
```

```
arrow.api.now(tz=None)
```

Returns an Arrow object, representing "now" in the given timezone.

**Parameters** tz – (optional) A *timezone expression*. Defaults to local time.

Usage:

```
arrow.api.factory(type)
```

Returns an ArrowFactory for the specified Arrow or derived type.

**Parameters** type – the type, Arrow or derived.

## 6.4 arrow.locale

```
arrow.locales.get_locale (name)
Returns an appropriate Locale corresponding to an inpute locale name.

Parameters name - the name of the locale.

class arrow.locales.Locale
Represents locale-specific data and functionality.

names = []

timeframes = {u'seconds': u'', u'month': u'', u'hours': u'', u'year': u'', u'years': u'', u'now': u'', u'day': u'', u'minu
```

```
timeframes = {u'seconds': u'', u'month': u'', u'hours': u'', u
meridians = {u'AM': u'', u'PM': u'', u'am': u'', u'pm': u''}
past = None
future = None
month_names = []
month_abbreviations = []
day_names = []
day_names = []
ordinal_day_re = u'(\\d+)'
describe (timeframe, delta=0, only_distance=False)
```

Describes a delta within a timeframe in plain language.

**Parameters** 

- timeframe a string representing a timeframe.
- **delta** a quantity representing a delta in a timeframe.

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words

```
day_name (day)
          Returns the day name for a specified day of the week.
               Parameters day – the int day of the week (1-7).
     day_abbreviation(day)
          Returns the day abbreviation for a specified day of the week.
               Parameters day – the int day of the week (1-7).
     month_name (month)
          Returns the month name for a specified month of the year.
               Parameters month – the int month of the year (1-12).
     month_abbreviation (month)
          Returns the month abbreviation for a specified month of the year.
               Parameters month – the int month of the year (1-12).
     month number (name)
          Returns the month number for a month specified by name or abbreviation.
               Parameters name – the month name or abbreviation.
     year full (year)
          Returns the year for specific locale if available
               Parameters name - the int year (4-digit)
     year_abbreviation (year)
          Returns the year for specific locale if available
               Parameters name – the int year (4-digit)
     meridian (hour, token)
          Returns the meridian indicator for a specified hour and format token.
               Parameters
                   • hour – the int hour of the day.
                   • token – the format token.
     ordinal number (n)
          Returns the ordinal format of a given integer
               Parameters n – an integer
class arrow.locales.EnglishLocale
     names = [u'en', u'en_us', u'en_gb', u'en_au', u'en_be', u'en_jp', u'en_za', u'en_ca', u'en_ph']
     past = u'\{0\} ago'
     future = u'in \{0\}'
     timeframes = {u'seconds': u'seconds', u'month': u'a month', u'hours': u'{0} hours', u'year': u'a year', u'years': u'{0}
     meridians = {u'AM': u'AM', u'PM': u'PM', u'am': u'am', u'pm': u'pm'}
     month_names = [u'', u'January', u'February', u'March', u'April', u'May', u'June', u'July', u'August', u'September', u
     month_abbreviations = [u'', u'Jan', u'Feb', u'Mar', u'Apr', u'May', u'Jun', u'Jul', u'Aug', u'Sep', u'Oct', u'Nov',
```

• only\_distance - return only distance eg: "11 seconds" without "in" or "ago" key-

```
day_names = [u'', u'Monday', u'Tuesday', u'Wednesday', u'Thursday', u'Friday', u'Saturday', u'Sunday']
     day_abbreviations = [u", u'Mon', u'Tue', u'Wed', u'Thu', u'Fri', u'Sat', u'Sun']
     class arrow.locales.ItalianLocale
     names = [u'it', u'it_it']
     past = u'\{0\} fa'
     future = u'tra \{0\}'
     timeframes = {u'seconds': u'qualche secondo', u'month': u'un mese', u'hours': u'{0} ore', u'year': u'un anno', u'year
     month_names = [u'', u'gennaio', u'febbraio', u'marzo', u'aprile', u'maggio', u'giugno', u'luglio', u'agosto', u'settembre
     month_abbreviations = [u'', u'gen', u'feb', u'mar', u'apr', u'mag', u'giu', u'lug', u'ago', u'set', u'ott', u'nov', u'dic
     day_names = [u'', u'luned\xec', u'marted\xec', u'mercoled\xec', u'gioved\xec', u'venerd\xec', u'sabato', u'domenica']
     day_abbreviations = [u'', u'lun', u'mar', u'mer', u'gio', u'ven', u'sab', u'dom']
     ordinal_day_re = u'((?P < value > [1-3]?[0-9](?=[\xba\xaa]))[\xba\xaa])'
class arrow.locales.SpanishLocale
     names = [u'es', u'es_es']
     past = u'hace \{0\}'
     future = u'en \{0\}'
     timeframes = {u'seconds': u'segundos', u'month': u'un mes', u'hours': u'{0} horas', u'year': u'un a\xf1o', u'years': u
     month_names = [u'', u'enero', u'febrero', u'marzo', u'abril', u'mayo', u'junio', u'julio', u'agosto', u'septiembre', u'octi
     month_abbreviations = [u'', u'ene', u'feb', u'mar', u'abr', u'may', u'jun', u'jul', u'ago', u'sep', u'oct', u'nov', u'dic
     day_names = [u", u'lunes', u'martes', u'mi\xe9rcoles', u'jueves', u'viernes', u's\xe1bado', u'domingo']
     day_abbreviations = [u'', u'lun', u'mar', u'mie', u'jue', u'vie', u'sab', u'dom']
     ordinal_day_re = u'((?P < value > [1-3]?[0-9](?=[\xba\xaa]))[\xba\xaa])'
class arrow.locales.FrenchLocale
     names = [u'fr', u'fr_fr']
     past = u'il y a \{0\}'
     future = u'dans \{0\}'
     timeframes = {u'seconds': u'quelques secondes', u'month': u'un mois', u'hours': u'{0} heures', u'year': u'un an', u'ye
     month_names = [u'', u'janvier', u'fxe9vrier', u'mars', u'avril', u'mai', u'juin', u'juillet', u'ao\xfbt', u'septembre', u'oc
     month_abbreviations = [u'', u'janv', u'fxe9vr', u'mars', u'avr', u'mai', u'juin', u'juil', u'ao\xfbt', u'sept', u'oct', u'
     day_names = [u'', u'lundi', u'mardi', u'mercredi', u'jeudi', u'vendredi', u'samedi', u'dimanche']
     day_abbreviations = [u'', u'lun', u'mar', u'mer', u'jeu', u'ven', u'sam', u'dim']
     ordinal\_day\_re = u'((?P < value > \bl(?=er\b)|[1-3]?[02-9](?=e\b)|[1-3]1(?=e\b))(er|e)\b)'
```

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```
class arrow.locales.GreekLocale
                                         names = [u'el', u'el_gr']
                                         past = u'\{0\} \u03c0\u03c1\u03b9\u03bd'
                                         future = u' \cdot u03c3 \cdot u03b5 \{0\}'
                                         timeframes = \{u'seconds': u'u03b4u03b5u03c5u03c4u03b5u03c1u03ccu03bbu03b5u03c0u03c4u03b1', u'montle and the second of the seco
                                         \verb|month_names| = | u'', u' u 0 399 u 0 3b 1 u 0 3b 1 u 0 3c 5 u 0 3b 1 u 0 3c 1 u 0 3c 1 u 0 3c 1 u 0 3c 5', u' u 0 3c 6 u 0 3b 5 u 0 3b 2 u 0 3c 1 u 0 3c
                                         \label{local_u03a4} $$ day\_names = [u'', u'u0394\\u0395\\u03c5\\u03c4\\u03ad\\u03c1\\u03ad\\u03c1\\u03af\\u03c1\\u03af\\u03c4\\u03b7', u'u03a4\\u03bf', u'u03af\\u03c4\\u03bf', u'u03af\\u03c4\\u03bf', u'u03af\\u03c4\\u03af\\u03c4\\u03af\\u03c4\\u03af\\u03c4\\u03af\\u03c4\\u03af\\u03c4\\u03af\\u03c4\\u03af\\u03c4\\u03af\\u03c4\\u03af\\u03c4\\u03af\\u03c4\\u03af\\u03c4\\u03af\\u03c4\\u03af\\u03c4\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af\\u03af
                                         \label{eq:day_abbreviations} $$ = [u'', u'\setminus 0394\setminus 03b5\setminus 03c5', u'\setminus 03a4\setminus 03c1\setminus 03b9', u'\setminus 03a4\setminus 03b5\setminus 03c4', u'\setminus 03a0\setminus 03b5\setminus 03c4'] $$ $$ day_abbreviations $$ = [u'', u'\setminus 03a0\setminus 03b5\setminus 03c5', u'\setminus 03a4\setminus 03b5\setminus 03c4', u'\setminus 03a4\setminus 03b5\setminus 03c4'] $$ $$ day_abbreviations $$ = [u'', u'\setminus 03a0\setminus 03b5\setminus 03c4', u'\setminus 03a4\setminus 03b5\setminus 03c4', u'\setminus 03a4\setminus 03b5\setminus 03c4', u'\setminus 03a4\setminus 03b5\setminus 03c4', u'\setminus 03a4\setminus 03a
class arrow.locales.JapaneseLocale
                                         names = [u'ja', u'ja_jp']
                                         past = u'\{0\} \setminus u524d'
                                         future = u'\{0\}\setminus u5f8c'
                                         timeframes = {u'seconds': u'\u6570\u79d2', u'month': u'1\u30f6\u6708', u'hours': u'{0}\u6642\u9593', u'year': u'1\u5
                                         month names = [u'', u'1\u6708', u'2\u6708', u'3\u6708', u'4\u6708', u'5\u6708', u'6\u6708', u'6\u6708'
                                         month_abbreviations = [u'', u' 1', u' 2', u' 3', u' 4', u' 5', u' 6', u' 7', u' 8', u' 9', u'10', u'11', u'12']
                                         \verb|day_names| = [u'', u' \u6708 \u66dc \u65e5', u' \u6708 \u66dc \u65e5', u' \u6728 \u66dc \u65e5', u' \u6728 \u66dc \u65e5', u' \u6728 \u66dc \u65e5', u' \u6728 
                                         day\_abbreviations = [u'', u'\u6708', u'\u706b', u'\u6728', u'\u6728', u'\u91d1', u'\u571f', u'\u65e5']
class arrow.locales.SwedishLocale
                                         names = [u'sv', u'sv\_se']
                                         past = u'f \times f \{0\} sen'
                                         future = u'om \{0\}'
                                         timeframes = {u'seconds': u'n\xe5gra sekunder', u'month': u'en m\xe5nad', u'hours': u'{0} timmar', u'year': u'ett \x
                                         month_names = [u'', u'januari', u'februari', u'mars', u'april', u'maj', u'juni', u'juli', u'augusti', u'september', u'oktob
                                         month_abbreviations = [u'', u'jan', u'feb', u'mar', u'apr', u'maj', u'jun', u'jul', u'aug', u'sep', u'okt', u'nov', u'dec
                                         day_names = [u", u'm\xe5ndag', u'tisdag', u'onsdag', u'torsdag', u'fredag', u'l\xf6rdag', u's\xf6ndag']
                                         day_abbreviations = [u", u'm\xe5n', u'tis', u'ons', u'tor', u'fre', u'l\xf6r', u's\xf6n']
class arrow.locales.FinnishLocale
                                         names = [u'fi', u'fi_fi']
                                         past = u'\{0\} sitten'
                                         future = u'{0} kuluttua'
                                         timeframes = {u'seconds': [u'muutama sekunti', u'muutaman sekunnin'], u'month': [u'kuukausi', u'kuukauden'], u'l
```

month\_names = [u'', u'tammikuu', u'helmikuu', u'maaliskuu', u'huhtikuu', u'toukokuu', u'kes\xe4kuu', u'hein\xe4kuu

```
month_abbreviations = [u'', u'tammi', u'helmi', u'maalis', u'huhti', u'touko', u'kes\xe4', u'hein\xe4', u'elo', u'syys'
                            day_names = [u", u'maanantai', u'tiistai', u'keskiviikko', u'torstai', u'perjantai', u'lauantai', u'sunnuntai']
                            day_abbreviations = [u'', u'ma', u'ti', u'ke', u'to', u'pe', u'la', u'su']
class arrow.locales.ChineseCNLocale
                            names = [u'zh', u'zh_cn']
                            past = u'\{0\} \setminus u524d'
                            future = u'\{0\}\setminus u540e'
                            timeframes = {u'seconds': u'\u51e0\u79d2', u'month': u'1\u4e2a\u6708', u'hours': u'{0}\u5c0f\u65f6', u'year': u'1\u5e
                            month_names = [u'', u'u4e00u6708', u'u4e8cu6708', u'u4e09u6708', u'u56dbu6708', u'u4e94u6708', u'u516du6708', u'u516du6708',
                            month_abbreviations = [u'', u' 1', u' 2', u' 3', u' 4', u' 5', u' 6', u' 7', u' 8', u' 9', u'10', u'11', u'12']
                            day_names = [u'', u'\u661f\u671f\u4e00', u'\u661f\u671f\u4e8c', u'\u661f\u671f\u4e09', u'\u661f\u671f\u4e00', u'\u661f\u671f\u671f\u8e00', u'\u661f\u671f\u8e00', u'\u661f\u8e00', u'\u661f\u8e00', u'\u661f\u8e00', u'\u8e00', u'\u8e
                            day_abbreviations = [u", u'\u4e00', u'\u4e00', u'\u4e09', u'\u5e06b', u'\u4e94', u'\u516d', u'\u65e5']
class arrow.locales.ChineseTWLocale
                            names = [u'zh_tw']
                            past = u'\{0\} \setminus u524d'
                            future = u'\{0\}\setminus u5f8c'
                            timeframes = {u'seconds': u'\u5e7e\u79d2', u'month': u'1\u500b\u6708', u'hours': u'{0}\u5c0f\u6642', u'year': u'1\u5
                            month_names = [u'', u'1\u6708', u'2\u6708', u'3\u6708', u'4\u6708', u'5\u6708', u'6\u6708', u'6\u670
                            month_abbreviations = [u'', u' 1', u' 2', u' 3', u' 4', u' 5', u' 6', u' 7', u' 8', u' 9', u'10', u'11', u'12']
                            day_names = [u'', u'\u5468\u4e90', u'\u5468\u4e9c', u'\u5468\u4e9c', u'\u5468\u56db', u'\u5468\u4e9c', u'\u5468\u56db', u'\u5468\u4e9c', u'\u5468\u56db', u'\u5
                            day_abbreviations = [u", u'u4e00', u'u4e8c', u'u4e09', u'u56db', u'u4e94', u'u516d', u'u65e5']
class arrow.locales.KoreanLocale
                            names = [u'ko', u'ko_kr']
                            past = u'\{0\} \uc804'
                            future = u'\{0\} \setminus ud6c4'
                            timeframes = {u'seconds': u'\uba87 \ucd08', u'month': u'1\uac1c\uc6d4', u'hours': u'{0}\uc2dc\uac04', u'year': u'1\ul
                            month_names = [u'', u'1\uc6d4', u'2\uc6d4', u'3\uc6d4', u'4\uc6d4', u'5\uc6d4', u'6\uc6d4', u'6\uc6d4'
                            month_abbreviations = [u'', u' 1', u' 2', u' 3', u' 4', u' 5', u' 6', u' 7', u' 8', u' 9', u'10', u'11', u'12']
                            day_abbreviations = [u'', u'\uc6d4', u'\ud654', u'\uc218', u'\ubaa9', u'\uae08', u'\ud1a0', u'\uc77c']
class arrow.locales.DutchLocale
                            names = [u'nl', u'nl_nl']
                            past = u'{0} geleden'
```

```
future = u'over \{0\}'
                                         timeframes = {u'seconds': u'seconden', u'month': u'een maand', u'hours': u'{0} uur', u'year': u'een jaar', u'years': u
                                         month_names = [u'', u'januari', u'februari', u'maart', u'april', u'mei', u'juni', u'juli', u'augustus', u'september', u'oki
                                         month_abbreviations = [u'', u'jan', u'feb', u'mrt', u'apr', u'mei', u'jun', u'jul', u'aug', u'sep', u'okt', u'nov', u'dec
                                         day_names = [u'', u'maandag', u'dinsdag', u'woensdag', u'donderdag', u'vrijdag', u'zaterdag', u'zondag']
                                         day_abbreviations = [u'', u'ma', u'di', u'wo', u'do', u'vr', u'za', u'zo']
class arrow.locales.SlavicBaseLocale
class arrow.locales.BelarusianLocale
                                         names = [u'be', u'be_by']
                                         past = u'\{0\} \u0442\u0430\u043c\u0443'
                                         future = u' \cdot u043f \cdot u0440 \cdot u0430 \cdot u0437 \cdot \{0\}'
                                         timeframes = \{u'seconds': u'u043d u0435 u043a u0430 u043b u044c u043a u0456 u0441 u0435 u043a u0443 u043d u043d u043b u0445 u0446 
                                         \verb|month_names| = | \verb|u'', \verb|u'\u0441 \u0442 \u0443 \u0443 \u0443 \u0437 \u0435 \u0436 \u044f', \verb|u'\u0443 \u044e \u0442 \u0443 \u0436 \u0446 \u0446
                                         \verb|month_abbreviations| = [u'', u'\u0441\u0442\u0443\u0434', u'\u043b\u044e\u0442', u'\u0441\u0430\u043a', u'\u043a', u'\u043b\u044e\u0442', u'\u0441\u043b', u'\u0441\u0443b', u'\u0443b', u'\
                                         \texttt{day\_names} = [\texttt{u''}, \texttt{u'} \texttt{u043f} \texttt{u043f} \texttt{u043f} \texttt{u043f} \texttt{u0435} \texttt{u043b} \texttt{u0436} \texttt{u0436
                                         \label{eq:day_abbreviations} \begin{split} &\text{day\_abbreviations} = [\text{u''}, \text{u'} \text{u} 043 \text{f} \text{u} 043 \text{d'}, \text{u'} \text{u} 043 \text{d'} \text{u'} \text{u} 044 \text{d'}, \text{u'} \text{u} 044 \text{d'}, \text{u'} \text{u} 044 \text{f'}, \text{u'} \text{u} 044 \text{f'}, \text{u'} \text{u'} \text{u} 044 \text{d'}, \text{u'} \text
class arrow.locales.PolishLocale
                                         names = [u'pl', u'pl_pl']
                                         past = u'\{0\} temu'
                                         future = u'za \{0\}'
                                         timeframes = {u'seconds': u'kilka sekund', u'month': u'miesi\u0105c', u'hours': [u'{0} godzin', u'{0} godziny', u'{0}}
                                         month_names = [u'', u'stycze\u0144', u'luty', u'marzec', u'kwiecie\u0144', u'maj', u'czerwiec', u'lipiec', u'sierpie\u014
                                         month_abbreviations = [u'', u'sty', u'lut', u'mar', u'kwi', u'maj', u'cze', u'lip', u'sie', u'wrz', u'pa\u017a', u'lis', u'
                                         day_names = [u'', u'poniedzia\u0142ek', u'wtorek', u'\u015broda', u'czwartek', u'pi\u0105tek', u'sobota', u'niedziela']
                                         day_abbreviations = [u'', u'Pn', u'Wt', u'\u015ar', u'Czw', u'Pt', u'So', u'Nd']
class arrow.locales.RussianLocale
                                         names = [u'ru', u'ru_ru']
                                         past = u'\{0\} \u043d\u0430\u0437\u0430\u0434'
                                         future = u' \u0447 \u0435 \u0440 \u0435 \u0437 \{0}'
                                         month\_abbreviations = [u'', u'\u044f\u043d\u0432', u'\u0444\u0435\u0432', u'\u043c\u0430\u0440', u'\u04430\u0435']
                                         \label{local_day_names} = [u'', u'\u043f\u0436\u0435\u0435\u0435\u0446\u043d\u0438\u0438\u043a', u'\u0432\u0442\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\
                                         \label{eq:day_abbreviations} \begin{split} &\text{day\_abbreviations} = [\text{u''}, \text{u'} \text{u} 043 \text{f} \text{u} 043 \text{d'}, \text{u'} \text{u} 0432 \text{u} 0442', \text{u'} \text{u} 0441' \text{u} 0440', \text{u'} \text{u} 0447' \text{u} 0442', \text{u'} \text{u} 043 \text{f} \text{u} 0442', \text{u'} \text{u'} \text{u} 043 \text{d'} \text{u'} \text{u'}
```

```
names = [u'bg', u'bg\_BG']
                                             past = u'\{0\} \u043d\u0430\u0437\u0430\u0434'
                                             future = u' \cdot u043d \cdot u0430 \cdot u043f \cdot u0440 \cdot u0435 \cdot u0434 \cdot \{0\}'
                                             \label{timeframes} \ = \ \{u'seconds': u'u043d\\u044f\\u043a\\u0446\\u043b\\u043a\\u0443\\u0443\\u0443\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u044d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u0443d\\u044d\\u0443d\\u0443d\\u0443d\\u0443d\\u044d\\u0443d\\u0443d\\u044d\\u0443d\\u0443d\\u044d\\u0443d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u044d\\u04
                                             \verb|month_names| = | \verb|u'', \verb|u'\u0444\u043d\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u0443\u04
                                             \verb|month_abbreviations| = [u'', u'\u044f\u043d', u'\u0444\u0435\u0435\u0440', u'\u043c\u0430\u0440\u00442', u'\u0436\u0430']
                                             \label{local_day_names} = [u'', u'\u043f\u043f\u0436\u0435\u0435\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436\u0436
                                             \label{eq:day_abbreviations} \begin{split} &\text{day\_abbreviations} = [\text{u''}, \text{u'} \text{u} 043\text{f} \text{u} 043\text{e} \text{u} 043\text{d}', \text{u'} \text{u} 0432 \text{u} 0442', \text{u'} \text{u} 0441 \text{u} 0440', \text{u'} \text{u} 0447 \text{u} 0435 \text{u} 0442 \text{u} 0432', \text{u'} \text{u} 043\text{e} \text{u'} 043\text{e} \text{u'
class arrow.locales.UkrainianLocale
                                             names = [u'ua', u'uk_ua']
                                             past = u'\{0\} \u0442 \u043e \u043c \u0443'
                                             future = u' \cdot u0437 \cdot u0430 \cdot \{0\}'
                                             \label{timeframes} \texttt{timeframes} = \{u\text{'seconds': } u\text{'}u043a\\u0456\\u043b\\u0444\\u043a\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\}\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0443\\u0444\\u0444\\u0444\\u0444\\u0444\\u0444\\u0444\\u0444\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044\\u044
                                             \verb|month_abbreviations| = [u'', u'\u0441\u0456\u0447', u'\u043b\u044e\u0442', u'\u0431\u0435\u0440', u'\u043a\u0432'] \\
                                             \label{local_day_names} = [u'', u'\u043f\u043f\u0436\u0435\u0436\u0436\u043e\u0432\u0445\u0436\u0436\u043e\u043e\u0436\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e\u043e
                                             {\tt day\_abbreviations} = [u'', u'\setminus 043f\setminus 043d', u'\setminus 0432\setminus 0442', u'\setminus 0441\setminus 0440', u'\setminus 0447\setminus 0442', u'\setminus 0445\cap 0442', u'\setminus 0445\cap 0441', u'\setminus 0445\cap 0441', u'\setminus 0445\cap 0445', u'\setminus 0445\cap 045', u'\setminus 0445\cap 045', u'\setminus 0445\cap 045', u'\cap 045', u
class arrow.locales.GermanLocale
                                             names = [u'de', u'de_de']
class arrow.locales.AustrianLocale
                                             names = [u'de_at']
                                             month_names = [u'', u'J\xe4nner', u'Februar', u'M\xe4rz', u'April', u'Mai', u'Juni', u'Juli', u'August', u'September',
class arrow.locales.NorwegianLocale
                                             names = [u'nb', u'nb_no']
                                             past = u'for \{0\} siden'
                                             future = u'om \{0\}'
                                             timeframes = {u'seconds': u'noen sekunder', u'month': u'en m\xe5ned', u'hours': u'{0} timer', u'year': u'ett \xe5r', u
                                             month_names = [u'', u'januar', u'februar', u'mars', u'april', u'mai', u'juni', u'juli', u'august', u'september', u'oktober
                                             month_abbreviations = [u'', u'jan', u'feb', u'mar', u'apr', u'mai', u'jun', u'jul', u'aug', u'sep', u'okt', u'nov', u'des
                                             day_names = [u", u'mandag', u'tirsdag', u'onsdag', u'torsdag', u'fredag', u'l\xf8rdag', u's\xf8ndag']
                                             day_abbreviations = [u'', u'ma', u'ti', u'on', u'to', u'fr', u'l\xf8', u's\xf8']
```

class arrow.locales.BulgarianLocale

```
class arrow.locales.NewNorwegianLocale
     names = [u'nn', u'nn_no']
     past = u'for {0} sidan'
     future = u'om \{0\}'
     timeframes = {u'seconds': u'nokre sekund', u'month': u'en m\xe5nad', u'hours': u'{0} timar', u'year': u'eit \xe5r', u'
     month_names = [u'', u'januar', u'februar', u'mars', u'april', u'mai', u'juni', u'juli', u'august', u'september', u'oktober
     month_abbreviations = [u'', u'jan', u'feb', u'mar', u'apr', u'mai', u'jun', u'jul', u'aug', u'sep', u'okt', u'nov', u'des
     day_names = [u'', u'm\xe5ndag', u'tysdag', u'onsdag', u'torsdag', u'fredag', u'laurdag', u'sundag']
     day_abbreviations = [u'', u'm\xe5', u'ty', u'on', u'to', u'fr', u'la', u'su']
class arrow.locales.PortugueseLocale
     names = [u'pt', u'pt_pt']
     past = u'h xe1 \{0\}'
     future = u'em \{0\}'
     timeframes = {u'seconds': u'segundos', u'month': u'um m\xeas', u'hours': u'{0} horas', u'year': u'um ano', u'years':
     month_names = [u'', u'janeiro', u'fevereiro', u'mar\xe7o', u'abril', u'maio', u'junho', u'julho', u'agosto', u'setembro', u
     month_abbreviations = [u'', u'jan', u'fev', u'mar', u'abr', u'maio', u'jun', u'jul', u'ago', u'set', u'out', u'nov', u'de
     day_names = [u", u'segunda-feira', u'ter\xe7a-feira', u'quarta-feira', u'quinta-feira', u'sexta-feira', u's\xe1bado', u'dor
     day_abbreviations = [u'', u'seg', u'ter', u'qua', u'qui', u'sex', u'sab', u'dom']
class arrow.locales.BrazilianPortugueseLocale
     names = [u'pt_br']
     past = u'faz \{0\}'
class arrow.locales.TagalogLocale
     names = [u'tl', u'tl_ph']
     past = u'nakaraang {0}'
     future = u'{0} mula ngayon'
     timeframes = {u'seconds': u'segundo', u'month': u'isang buwan', u'hours': u'{0} oras', u'year': u'isang taon', u'year
     month_names = [u'', u'Enero', u'Pebrero', u'Marso', u'Abril', u'Mayo', u'Hunyo', u'Hulyo', u'Agosto', u'Setyembre',
     month_abbreviations = [u'', u'Ene', u'Peb', u'Mar', u'Abr', u'May', u'Hun', u'Hul', u'Ago', u'Set', u'Okt', u'Nob'
     day_names = [u", u'Lunes', u'Martes', u'Miyerkules', u'Huwebes', u'Biyernes', u'Sabado', u'Linggo']
     day_abbreviations = [u'', u'Lun', u'Mar', u'Miy', u'Huw', u'Biy', u'Sab', u'Lin']
class arrow.locales.VietnameseLocale
     names = [u'vi', u'vi_vn']
     past = u'\{0\} tr\u01b0\u1edbc'
```

```
future = u'\{0\} n\setminus 1eefa'
                         timeframes = {u'seconds': u'gi\xe2y', u'month': u'm\u1ed9t th\xe1ng', u'hours': u'{0} gi\u1edd', u'year': u'm\u1ed9t
                         month\_names = [u'', u'Th \land u
                         month_abbreviations = [u'', u'Th\xe1ng 1', u'Th\xe1ng 2', u'Th\xe1ng 3', u'Th\xe1ng 4', u'Th\xe1ng 5', u'Th\xe1ng
                         day_names = [u'', u'Th\u1ee9 Hai', u'Th\u1ee9 Ba', u'Th\u1ee9 T\u01b0', u'Th\u1ee9 N\u0103m', u'Th\u1ee9 S\xe1u',
                         day\_abbreviations = [u'', u'Th\u1ee9\ 2', u'Th\u1ee9\ 3', u'Th\u1ee9\ 4', u'Th\u1ee9\ 5', u'Th\u1ee9\ 6', u'Th\u1ee9\ 7', u'
class arrow.locales.TurkishLocale
                         names = [u'tr', u'tr_tr']
                         past = u'\{0\} \setminus xf6nce'
                         future = u'\{0\} sonra'
                         timeframes = {u'seconds': u'saniye', u'month': u'bir ay', u'hours': u'{0} saat', u'year': u'y\u01311', u'years': u'{0} y\u01311', u'years': u'{0} y\u01311',
                         month_names = [u'', u'Ocak', u'\u015eubat', u'Mart', u'Nisan', u'May\u0131s', u'Haziran', u'Temmuz', u'A\u011fusto
                         month_abbreviations = [u'', u'Oca', u'\u015eub', u'Mar', u'Nis', u'May', u'Haz', u'Tem', u'A\u011fu', u'Eyl', u'El
                         day_names = [u'', u'Pazartesi', u'Sal\u0131', u'\xc7ar\u015famba', u'Per\u015fembe', u'Cuma', u'Cumartesi', u'Pazar
                         day_abbreviations = [u'', u'Pzt', u'Sal', u'\xc7ar', u'Per', u'Cum', u'Cmt', u'Paz']
class arrow.locales.AzerbaijaniLocale
                         names = [u'az', u'az_az']
                         past = u'\{0\} \u0259vv\u0259l'
                         future = u'{0} sonra'
                         timeframes = {u'seconds': u'saniy\u0259', u'month': u'bir ay', u'hours': u'{0} saat', u'year': u'il', u'years': u'{0} il', u
                         month_names = [u'', u'Yanvar', u'Fevral', u'Mart', u'Aprel', u'May', u'\u0130yun', u'\u0130yul', u'Avqust', u'Sentyab
                         month_abbreviations = [u'', u'Yan', u'Fev', u'Mar', u'Apr', u'May', u'\u0130yn', u'\u0130yl', u'Avq', u'Sen', u'Ok
                         \label{local_day_names} = [u'', u'Bazar\ ert \ u0259si', u'\ xc7 \ u0259r \ u015f \ u0259n \ u0259\ ax \ u015f \ am \ u0131', u'\ xc7 \ u0259r \ u015f \ u0259n \ u015f \ u015f \ u0259n \ u015f \ u015f \ u0259n \ u015f \ u015f
                         \texttt{day\_abbreviations} = [\mathbf{u''}, \mathbf{u'Ber'}, \mathbf{u'} \land \mathbf{xc7} \land \mathbf{u'259r'}, \mathbf{u'Cax'}, \mathbf{u'C} \land \mathbf{xfcm'}, \mathbf{u'} \land \mathbf{u015enb'}, \mathbf{u'Bzr'}]
class arrow.locales.ArabicLocale
                         names = [u'ar', u'ar_ae', u'ar_bh', u'ar_dj', u'ar_eg', u'ar_eh', u'ar_er', u'ar_km', u'ar_kw', u'ar_ly', u'ar_om', u'ar_
                         past = u' \cdot u0645 \cdot u0646 \cdot u0630 \cdot \{0\}'
                         future = u' \cdot u' \cdot u' \cdot 062e \cdot u' \cdot 0644 \cdot u' \cdot 0627 \cdot u' \cdot 0644 \cdot \{0\}'
                         timeframes = \{u'seconds': \{u'double': u'\u062b\u0627\u0646\u064a\u064a\u064a', u'ten': u'\{0\}\u062b\u0648\u064a'\} \}
                         \verb|month_abbreviations| = [u'', u'\u064a\u0646\u0627\u064a\u0631', u'\u0641\u0628\u0631\u0627\u064a\u0631', u'\u064a\u0631']
```

 $\label{lem:day_names} $$ = [u'', u'\u0627\u0644\u0625\u0646\u0646\u0646\u0646', u'\u0627\u0644\u0625\u0644\u0627\u0625\u0625\u0646\u0646', u'\u0625\$ 

```
class arrow.locales.LevantArabicLocale
                              names = [u'ar_iq', u'ar_jo', u'ar_lb', u'ar_ps', u'ar_sy']
                              \verb|month_names| = | u'', u' u 0643 u 0627 u 0646 u 0648 u 0646 u 0627 u 0644 u 0625 u 0627 u 0646 u 0648, u' u 0634 u 0628 u 0627 u 0646 u 06
                              month\_abbreviations = [u'', u'\u0643\u0627\u0646\u0648\u0646\u0627\u0644\u0625\u0627\u0646\u0648', u'\u0634\u0648\u0648\u0646\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u0648\u064
class arrow.locales.AlgeriaTunisiaArabicLocale
                              names = [u'ar_tn', u'ar_dz']
                              \verb|month_names| = | u'', u' u 062 c u 0627 u 0646 u 0641 u 064a', u' u 0641 u 0641 u 0641 u 0631 u 064a', u' u 0645 u 0627 u 0631 u 0646 u 0647 u 0647 u 0646 u 0647 u 06
                              \verb|month_abbreviations| = [u'', u'\u062c\u0627\u0646\u0641\u064a', u'\u0641\u0641\u0641\u0641\u0641', u'\u0645\u0641']
class arrow.locales.MauritaniaArabicLocale
                              names = [u'ar_mr']
                              \verb|month_names| = | \verb|u'', \verb|u'\u064a\u0646\u0627\u064a\u0631', \verb|u'\u0641\u0628\u0631\u0627\u064a\u0631', \verb|u'\u0645\u0627\u064a\u0631', \verb|u'\u0645\u0631', \verb|u'\u064a\u0631', \verb|u'\u064a\u064a', \verb|u'\u064a\u064a', \verb|u'\u064a\u064a', \verb|u'\u064a', \verb|u'
                              month\_abbreviations = [u'', u'\u064a\u0646\u0627\u064a\u0631', u'\u0641\u0628\u0631\u0627\u064a\u0631', u'\u064a\u0631']
class arrow.locales.MoroccoArabicLocale
                              names = [u'ar_ma']
                              \verb|month_names| = | \verb|u'', \verb|u'\u064a\u0646\u0627\u064a\u0631', \verb|u'\u0641\u0628\u0631\u0627\u064a\u0631', \verb|u'\u0645\u0627\u064a\u0631', \verb|u'\u0645\u0631', \verb|u'\u064a\u0631', \verb|u'\u064a\u064a', \verb|u'\u064a\u064a', \verb|u'\u064a', \verb|u'\u064a
                              \verb|month_abbreviations| = [u'', u'\u064a\u0646\u0627\u064a\u0631', u'\u0641\u0628\u0631\u0627\u064a\u0631', u'\u064a\u0631']
class arrow.locales.IcelandicLocale
                              names = [u'is', u'is_is']
                              past = u'fyrir {0} s\xed\xf0an'
                              future = u'eftir {0}'
                              timeframes = {u'seconds': (u'nokkrum sek\xfandum', u'nokkrar sek\xfandur'), u'month': (u'einum m\xe1nu\xf0i', u'einum m
                              meridians = {u'AM': u'f.h.', u'PM': u'e.h.', u'am': u'f.h.', u'pm': u'e.h.'}
                              month_names = [u'', u'jan\xfaar', u'febr\xfaar', u'mars', u'apr\xedl', u'ma\xed', u'j\xfan\xed', u'j\xfal\xed', u'\xe1g\xfa
                              month_abbreviations = [u'', u'jan', u'feb', u'mar', u'apr', u'ma\xed', u'j\xfan', u'j\xfal', u'\xe1g\xfa', u'sep', u'okt'
                              day_names = [u'', u'm\xe1nudagur', u'\xferi\xf0judagur', u'mi\xf0vikudagur', u'fimmtudagur', u'f\xf6studagur', u'lau;
                              day_abbreviations = [u'', u'm\xe1n', u'\xferi', u'mi\xf0', u'fim', u'f\xf6s', u'lau', u'sun']
class arrow.locales.DanishLocale
                              names = [u'da', u'da_dk']
                              past = u'for {0} siden'
                              future = u'efter {0}'
                              timeframes = {u'seconds': u'et par sekunder', u'month': u'en m\xe5ned', u'hours': u'{0} timer', u'year': u'et \xe5r', u
                              month_names = [u'', u'januar', u'februar', u'marts', u'april', u'maj', u'juni', u'juli', u'august', u'september', u'oktobe
```

```
day_names = [u", u'mandag', u'tirsdag', u'onsdag', u'torsdag', u'fredag', u'l\xf8rdag', u's\xf8ndag']
                                                                day_abbreviations = [u'', u'man', u'tir', u'ons', u'tor', u'fre', u'l\xf8r', u's\xf8n']
class arrow.locales.MalayalamLocale
                                                                names = [u'ml']
                                                                past = u'\{0\} \u0d2e\u0d41\u0d2e\u0d4d\u0d2a\u0d4d'
                                                                future = u'\{0\} \u0d36\u0d47\u0d37\u0d02'
                                                                timeframes = \{u'seconds': u'u0d38\\u0d46\\u0d15\\u0d4d\\u0d15\\u0d28\\u0d4d\\u0d31\\u0d4d\\u200c', u'month': u'u0d12\\u0d15\\u0d28\\u0d4d\\u0d31\\u0d4d\\u200c', u'month': u'u0d12\\u0d15\\u0d28\\u0d28\\u0d28\\u0d28\\u0d31\\u0d38\\u0d28\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0d38\\u0
                                                                \texttt{meridians} = \{u'AM': u'\setminus 00d30\setminus 00d3e\setminus 00d3f\setminus 00d3f\setminus 00d3e\setminus 0d4e', u'PM': u'\setminus 00d0e\setminus 00d1a\setminus 00d1e\setminus 0d1e\setminus 0d4e\setminus 0d1e\setminus 0d1e\setminus
                                                                \verb|month_names| = [u'', u'\u0d1c\u0d28\u0d41\u0d35\u0d30\u0d3f', u'\u0d2b\u0d46\u0d2c\u0d4d\u0d30\u0d41\u0d35\u0d3b\u0d3f', u'\u0d2b\u0d46\u0d2c\u0d4d\u0d30\u0d41\u0d35\u0d3b\u0d3b\u0d3f', u'\u0d2b\u0d4b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d3b\u0d4b\u0d4b\u0d3b\u0d4b\u0d4b\u0d3b\u0d4b\u0d4b\u0d3b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b\u0d4b
                                                                \verb|month_abbreviations| = [u'', u'u0d1c\\u0d28\\u0d41', u'u0d2b\\u0d46\\u0d2c\\u0d4d', u'u0d2e\\u0d3e\\u0d3c', u'u0d2e\\u0d3e', u'u0d2e'\\u0d3e', u'u0d3e', u'u0d3e
                                                                \label{logoversequence} \verb|day_names| = [u'', u'\u0d24\u0d3f\u0d4f\u0d45\u0d4d\u0d45\u0d4d\u0d45\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d35\u0d4d\u0d3
                                                                \label{eq:day_abbreviations} $= [u'', u'] u d 2 + u d 3 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u d 4 + u 
class arrow.locales.HindiLocale
                                                                names = [u'hi']
                                                                past = u'\{0\} \u092a\u0939\u0932\u0947'
                                                                future = u'\{0\} \u092c\u093e\u0926'
                                                                timeframes = \{u'seconds': u'u0938 u0947 u0915 u0902 u0921 u094d', u'month': u'u090f u0915 u092e u093e u0939 u0936 u093
                                                                \texttt{meridians} = \{u'AM': u'\setminus u0938\setminus u0941\setminus u092c\setminus u0939', u'PM': u'\setminus u0936\setminus u093e\setminus u092e', u'am': u'\setminus u0938\setminus u0941\setminus u092c\setminus u093e\setminus u093e
                                                                month\_names = [u'', u'u091c\\u0928\\u0935\\u0935\\u0930\\u0940', u'u092b\\u0930\\u0935\\u0930\\u0940', u'u092e\\u093e\\u0930\\u0940', u'u092b\\u0930\\u0930\\u0930\\u0930
                                                                month\_abbreviations = [u'', u'\u091c\u0928', u'\u095e\u0930', u'\u092e\u093e\u093o\u094d\u091a', u'\u0905\u092a', u'\u095e\u093o', u'\u095e\u093e\u093o', u'\u095e\u093o', u'\u095e\u095e\u093o', u'\u095e\u093o', u'\u095e\u093o', u'\u095e\u093o', u'\u095e\u095e\u093o', u'\u095e\u093o', u'\u095e\u093o', u'\u095e\u095e\u093o', u'\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u095e\u09
                                                                \label{eq:day_abbreviations} $$ = [u'', u'\setminus 0938\setminus 094b\setminus 092e', u'\setminus 092e\setminus 0902\setminus 0917\setminus 0932', u'\setminus 092e\setminus 0941\setminus 0927', u'\setminus 0917\setminus 0932', u'\setminus 0917\setminus 0932', u'\setminus 0917\setminus 0932', u'\setminus 0917\setminus 09
class arrow.locales.CzechLocale
                                                                names = [u'cs', u'cs\_cz']
                                                                timeframes = {u'seconds': {u'past': u'{0} sekundami', u'future': [u'{0} sekundy', u'{0} sekund']}, u'month': {u'past':
                                                                past = u'P \setminus u0159ed \{0\}'
                                                                future = u'Za \{0\}'
                                                                month_names = [u'', u'leden', u'\xfanor', u'b\u0159ezen', u'duben', u'kv\u011bten', u'\u010derven', u'\u010dervenec',
                                                                month_abbreviations = [u'', u'led', u'\xfano', u'b\u0159e', u'dub', u'kv\u011b', u'\u010dvn', u'\u010dvc', u'srp', u'
                                                                day_names = [u'', u'pond\u011bl\xed', u'\xfater\xfd', u'st\u0159eda', u'\u010dtvrtek', u'p\xe1tek', u'sobota', u'ned\u01
                                                                day_abbreviations = [u'', u'po', u'\xfat', u'st', u'\u010dt', u'p\xe1', u'so', u'ne']
class arrow.locales.SlovakLocale
```

month\_abbreviations = [u", u'jan', u'feb', u'mar', u'apr', u'maj', u'jun', u'jul', u'aug', u'sep', u'okt', u'nov', u'dec

```
names = [u'sk', u'sk\_sk']
                                                 timeframes = {u'seconds': {u'past': u'p\xe1r sekundami', u'future': [u'{0} sekundy', u'{0} sek\xfand']}, u'month': {u'
                                                 past = u'Pred \{0\}'
                                                 future = u'O \{0\}'
                                                 month names = [u'', u'janu\xe1r', u'febru\xe1r', u'marec', u'apr\xedl', u'm\xe1j', u'j\xfan', u'j\xfal', u'august', u'septe
                                                 month_abbreviations = [u'', u'jan', u'feb', u'mar', u'apr', u'm\xe1j', u'j\xfan', u'j\xfal', u'aug', u'sep', u'okt', u'no
                                                 day_names = [u", u'pondelok', u'utorok', u'streda', u'\u0161tvrtok', u'piatok', u'sobota', u'nede\u013ea']
                                                 day_abbreviations = [u'', u'po', u'ut', u'st', u'\u0161t', u'pi', u'so', u'ne']
class arrow.locales.FarsiLocale
                                                 names = [u'fa', u'fa_ir']
                                                 past = u'\{0\} \u0642\u0628\u0644'
                                                 future = u' \cdot u062f \cdot u0631 \{0\}'
                                                 timeframes = \{u'seconds': u'u062b u0627 u0646 u06cc u0647', u'month': u'u06cc u0649 u0645 u0627 u0647', u'hou u'month': u'u06cc u0649 u0647 u0647 u0647 u0647 u0647', u'month': u'u06cc u0647 u0
                                                 \texttt{meridians} = \{ u'AM': u' \land u0642 \land u0628 \land u0644 \land u0627 \land u0638 \land u0647 \land u0631', u'PM': u' \land u0628 \land u0628 \land u0627 \land u0638 \land u06
                                                 month_names = [u'', u'January', u'February', u'March', u'April', u'May', u'June', u'July', u'August', u'September', u
                                                 month_abbreviations = [u'', u'Jan', u'Feb', u'Mar', u'Apr', u'May', u'Jun', u'Jul', u'Aug', u'Sep', u'Oct', u'Nov',
                                                 \texttt{day\_names} = [\texttt{u''}, \texttt{u'} \land \texttt{u062f} \land \texttt{u0634} \land \texttt{u0646} \land \texttt{u0628} \land \texttt{u0647'}, \texttt{u'} \land \texttt{u0633} \land \texttt{u0647} \land \texttt{u0634} \land \texttt{u0646} \land \texttt{u0646} \land \texttt{u0648} \land \texttt{u0646} \land \texttt{u0649} \land \texttt{
                                                 day_abbreviations = [u'', u'Mon', u'Tue', u'Wed', u'Thu', u'Fri', u'Sat', u'Sun']
class arrow.locales.MacedonianLocale
                                                 names = [u'mk', u'mk_mk']
                                                 past = u' \cdot u043f \cdot u0440 \cdot u0435 \cdot u0434 \cdot \{0\}'
                                                 future = u' \cdot u0437 \cdot u0430 \cdot \{0\}'
                                                 timeframes = \{u'seconds': u'u0441 u0435 u043a u0443 u0434 u0434 u0438', u'month': u'u0435 u0434 u0435 u0436 u043
                                                 \texttt{meridians} = \{ u'AM': u' u 0 4 3 f u 0 4 4 0 u 0 4 3 5 u 0 4 4 2 u 0 4 3 f u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 5 u' 2 M': u' u 0 4 3 f u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4 3 0 u 0 4
                                                 \verb|month_names| = | \verb|u'', \verb|u'\u0408\u0430\u0430\u0430\u0443\u0430\u0443\u0438', \verb|u'\u0424\u0435\u0432\u0440\u0443\u0430\u0443\u0430\u0443\u0430\u0436', \verb|u'\u0424\u0435\u0432\u0440\u0443\u0430\u0430\u0430\u0443\u0430\u0436', \verb|u'\u0444\u0435\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\u0430\
                                                 month \ abbreviations = [u'', u'\u0408\u0430\u0430.', u'\u0424\u0435\u0432.', u'\u041c\u0430\u0440.', u'\u0410\u0430\u0430.']
                                                 \label{local_day_names} $$ u', u'u041fu043eu043du0435u0434u0435u043bu043du0438u043a', u'u0412u0442u043eu043eu0440u0435u043bu043du043b'u043a', u'u0412u0442u043eu043eu043b'u043b'u043b'u043b'u043a', u'u0412u0442u043eu043eu043b'u043b'u043b'u043b'u043b'u043b'u043a', u'u0412u0442u043eu043eu043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u043b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u045b'u0
                                                 {\tt day\_abbreviations} = [u'', u'\setminus 041f\setminus 043e\setminus 043d.', u'\setminus 0412\setminus 0442.', u'\setminus 0421\setminus 04440\setminus 0435.', u'\setminus 0427\setminus 0435\setminus 0442)
class arrow.locales.HebrewLocale
                                                 names = [u'he', u'he_IL']
                                                 past = u'\u05dc\u05e4\u05e0\u05d9 \{0\}'
                                                 future = u'\u05d1\u05e2\u05d5\u05d3 \{0\}'
                                                 \texttt{meridians} = \{u'AM': u'\setminus u05dc\setminus u05e4\setminus u05e0\setminus u05d4\setminus u05e6\setminus u05d4\setminus u05e8\setminus u05d9\setminus u05d4\setminus u05d0\setminus u
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\verb|month_names| = | u'', u' u 05d9 u 05e0 u 05d5 u 05d0 u 05e8', u' u 05e4 u 05d1 u 05e8 u 05d5 u 05d0 u 05e8', u' u 05de u 05e8 u 05e8' u 05
                                                  month\_abbreviations = [u'', u'u05d9u05e0u05d5u05f3', u'u05e4u05d1u05e8u05f3', u'u05deu05e8'u05e5', u'u05e4u05e1', u'u05e4u05e8', u'u05e4u06
                                                  \label{eq:day_names} $$ = [u'', u'\u05e9\u05e0\u05d9', u'\u05e9\u05d9', u'\u05e9\u05d9', u'\u05e8\u05d1\u05d9', u'\u05e9\u05d9', u'\u05e9\u05e9\u05d9', u'\u05e9\u05d9', u'\u05e9\u05d9', u'\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u05e9\u
                                                  {\tt day\_abbreviations} = [u'', u' \setminus u05d1 \setminus u05f3', u' \setminus u05d2 \setminus u05f3', u' \setminus u05d3 \setminus u05f3', u' \setminus u05d4 \setminus u05f3', u' \setminus u05d5 \setminus u
class arrow.locales.MarathiLocale
                                                  names = [u'mr']
                                                  past = u'\{0\} \u0906 \u0927 \u0940'
                                                  future = u'\{0\} \u0928\u0902\u0924\u0930'
                                                  timeframes = \{u'seconds': u'u0938 \mid u0947 \mid u0915 \mid u0902 \mid u0926', u'month': u'\mid u090f \mid u0915 \mid u092e \mid u0939 \mid u092f \mid u0928 \mid u0926 \mid u0939 \mid u0936 \mid u0926 \mid u0939 \mid u0936 \mid u0926 \mid u0936 \mid u0926 \mid u0936 \mid u0926 \mid u0936 \mid u0936 \mid u0926 \mid u0936 \mid u0
                                                  meridians = {u'AM': u'\u0938\u0935\u0936\u0933', u'PM': u'\u0938\u0992\u0927\u094d\u092f\u093e\u0935\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u093e\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u09ae\u00ae\u00ae\u00ae\u00ae\u00ae\u00ae\u00ae\u
                                                  \verb|month_names| = | u'', u' u091c u093e u0928 u0947 u0935 u093e u0930 u0940', u' u092b u0947 u092c u094d u0930 u0941' u0936 u0940', u' u092b u0947 u092c u094d u0930 u0941' u0936 u
                                                  month \ abbreviations = [u'', u'u091c\u093e\u0928', u'\u092b\u0947\u092c\u094d\u0930\u0941', u'\u092e\u093e\u093e\u094b', u'\u092b\u094d\u093b', u'\u092b\u094b', u'\u092b\u094d\u093b', u'\u092b\u094b', u'\u092b\u094d\u093b', u'\u092b\u094b', u'\u092b\u094b', u'\u092b\u094b', u'\u092b', u'\u092b
                                                  day names = [u'', u'\u0938\u094b\u092e\u0935\u093e\u093e\u0930', u'\u092e\u0902\u0917\u0933\u0935\u093e\u0930', u'\u092
                                                  \label{eq:day_abbreviations} $$ = [u'', u'\setminus 0938\setminus 094b\setminus 092e', u'\setminus 092e\setminus 0902\setminus 0917\setminus 0933', u'\setminus 092e\setminus 0941\setminus 0927', u'\setminus 0917\setminus 0933'] $$ $$ = [u'', u'\setminus 0938\setminus 094b\setminus 092e', u'\setminus 0917\setminus 0933', u'\setminus 0938\setminus 094b\setminus 092e'] $$ $$ = [u'', u'\setminus 0938\setminus 094b\setminus 092e', u'\setminus 0938\setminus 094b\setminus 0941\setminus 0933', u'\setminus 0938\setminus 094b\setminus 0941\setminus 0933'] $$ $$ = [u'', u'\setminus 0938\setminus 094b\setminus 094b\setminus 094a', u'\setminus 0938\setminus 094b\setminus 094a', u'\setminus 094a', u'\setminus 094a\setminus 094a', u'\setminus 094a', u'\cup 094a',
class arrow.locales.CatalanLocale
                                                  names = [u'ca', u'ca_es', u'ca_ad', u'ca_fr', u'ca_it']
                                                  past = u'Fa \{0\}'
                                                  future = u'En \{0\}'
                                                  timeframes = {u'seconds': u'segons', u'month': u'un mes', u'hours': u'{0} hores', u'year': u'un any', u'years': u'{0} a
                                                  month_names = [u'', u'Gener', u'Febrer', u'Mar\xe7', u'Abril', u'Maig', u'Juny', u'Juliol', u'Agost', u'Setembre', u'O
                                                  month_abbreviations = [u'', u'Gener', u'Febrer', u'Mar\xe7', u'Abril', u'Maig', u'Juny', u'Juliol', u'Agost', u'Sete
                                                  day_names = [u'', u'Dilluns', u'Dimarts', u'Dimecres', u'Dijous', u'Divendres', u'Dissabte', u'Diumenge']
                                                  day_abbreviations = [u'', u'Dilluns', u'Dimarts', u'Dimecres', u'Dijous', u'Divendres', u'Dissabte', u'Diumenge']
class arrow.locales.BasqueLocale
                                                  names = [u'eu', u'eu_eu']
                                                  past = u'duela \{0\}'
                                                  future = u'\{0\}
                                                  timeframes = {u'seconds': u'segundu', u'month': u'hilabete bat', u'hours': u'{0} ordu', u'year': u'urte bat', u'years':
                                                  month_names = [u'', u'urtarrilak', u'otsailak', u'martxoak', u'apirilak', u'maiatzak', u'ekainak', u'uztailak', u'abuztu
                                                  month_abbreviations = [u'', u'urt', u'ots', u'mar', u'api', u'mai', u'eka', u'uzt', u'abu', u'ira', u'urr', u'aza', u'abe
                                                  day_names = [u", u'astelehena', u'asteartea', u'asteazkena', u'osteguna', u'ostirala', u'larunbata', u'igandea']
                                                  day_abbreviations = [u'', u'al', u'ar', u'az', u'og', u'ol', u'lr', u'ig']
class arrow.locales.HungarianLocale
```

```
names = [u'hu', u'hu_hu']
                      past = u'\{0\} ezel \setminus u0151tt'
                      future = u'\{0\} m\xfalva'
                      timeframes = {u'seconds': {u'past': u'm\xe1sodpercekkel', u'future': u'p\xe1r m\xe1sodperc'}, u'month': {u'past': u'o
                      month names = [u'', u'janu\xe1r', u'febru\xe1r', u'm\xe1rcius', u'\xe1prilis', u'm\xe1jus', u'j\xfanius', u'j\xfanius', u'j\xfanius', u'au
                      month_abbreviations = [u'', u'jan', u'febr', u'm\xe1rc', u'\xe1pr', u'm\xe1j', u'j\xfan', u'j\xfan', u'aug', u'szept', u'
                      day_names = [u", u'h\xe9tf\u0151', u'kedd', u'szerda', u'cs\xf6t\xf6t', u'p\xe9ntek', u'szombat', u'vas\xe1rnap']
                      day_abbreviations = [u'', u'h\xe9t', u'kedd', u'szer', u'cs\xfct', u'p\xe9nt', u'szom', u'vas']
                      meridians = {u'AM': u'DE', u'PM': u'DU', u'am': u'de', u'pm': u'du'}
class arrow.locales.EsperantoLocale
                      names = [u'eo', u'eo_xx']
                      past = u'anta \setminus u016d \{0\}'
                      future = u'post \{0\}'
                      timeframes = {u'seconds': u'kelkaj sekundoj', u'month': u'unu monato', u'hours': u'{0} horoj', u'year': u'unu jaro',
                      month_names = [u'', u'januaro', u'februaro', u'marto', u'aprilo', u'majo', u'junio', u'julio', u'a\u016dgusto', u'septem
                      month_abbreviations = [u'', u'jan', u'feb', u'mar', u'apr', u'maj', u'jun', u'jul', u'a\u016dg', u'sep', u'okt', u'nov',
                      day names = [u'', u'lundo', u'mardo', u'merkredo', u'\u0135a\u016ddo', u'vendredo', u'sabato', u'diman\u0109o']
                      day_abbreviations = [u'', u'lun', u'mar', u'mer', u'\u0135a\u016d', u'ven', u'sab', u'dim']
                      meridians = {u'AM': u'ATM', u'PM': u'PTM', u'am': u'atm', u'pm': u'ptm'}
                      ordinal_day_re = u'((?P < value > [1-3]?[0-9](?=a))a)'
class arrow.locales.ThaiLocale
                      names = [u'th', u'th_th']
                      past = u'\{0\}\{1\}\u0e17\u0e35\u0e48\u0e1c\u0e48\u0e32\u0e19\u0e21\u0e32'
                      future = u'\u0e43\u0e19\u0e2d\u0e35\u0e01{1}{0}'
                      timeframes = \{u'seconds': u'u0e44\\u0e21\\u0e48\\u0e01\\u0e35\\u0e48\\u0e27\\u0e34\\u0e19\\u0e32\\u0e17\\u0e35', u'month', u'
                      month \ names = [u'', u'u0e21\\u0e21\\u0e21\\u0e23\\u0e32\\u0e32\\u0e40\\u0e21', u'u0e01\\u0e38\\u0e21\\u0e20\\u0e32\\u0e32\\u0e18\\u0e31\\u0e19\\u0e31
                      month \ abbreviations = [u'', u'u0e21.u0e04.', u'u0e01.u0e1e.', u'u0e21.u0e35.u0e04.', u'u0e40.u0e21.u0e22.', u'u0e21.u0e1e.', u'u0e21.u0e35.u0e04.', u'u0e21.u0e21.u0e22.', u'u0e21.u0e21.u0e35.u0e04.', u'u0e21.u0e21.u0e22.', u'u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21.u0e21
                      \label{local_u0e3} \verb|day_names| = [u'', u'u0e08|u0e31|u0e19|u0e17|u0e23|u0e4c', u'|u0e2d|u0e31|u0e07|u0e04|u0e32|u0e23', u'|u0e1e|u0e38|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|u0e36|
                      \label{eq:day_abbreviations} $$ = [u'', u'u0e08', u'u0e2d', u'u0e1e', u'u0e1e'u0e24', u'u0e28', u'u0e2a', u'u0e2a', u'u0e2a'] $$ $$ = [u'', u'u0e20, u'u0e
                      meridians = {u'AM': u'AM', u'PM': u'PM', u'am': u'am', u'pm': u'pm'}
                      BE OFFSET = 543
                      year_full (year)
                                           Thai always use Buddhist Era (BE) which is CE + 543
                      year_abbreviation (year)
                                           Thai always use Buddhist Era (BE) which is CE + 543
```

```
class arrow.locales.BengaliLocale
                  names = [u'bn', u'bn_bd', u'bn_in']
                  past = u'\{0\} \u0986 \u0997 \u09c7'
                  future = u'\{0\} \u09aa\u09b0\u09c7'
                  \label{timeframes} \verb| u'seconds': u'u09b8\u09c7\u0995\u09c7\u09a8\u09cd\u09a1', u'month': u'u098f\u0995\u09ae\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u09be\u0
                  meridians = {u'AM': u'\u09b8\u0995\u09be\u09b2', u'PM': u'\u09ac\u09bf\u0995\u09be\u09b2', u'am': u'\u09b8\u099
                  \verb|month_names| = | u'', u' \u099c \u099b \u09a \u09c \u09bc \u09bb \u09b0 \u09bf', u' \u09ab \u09c7 \u09ac \u09bd \u09bb \u09bb \u09bb', u' \u09ab \u09c7 \u09ac \u09bb \u09bb', u' \u09ab \u09ab \u09ab \u09bb', u' \u09ab \u09ab \u09ab \u09bb', u' \u09ab \u09
                  \label{eq:day_abbreviations} $$ = [u'', u'\u09b8\u09cb\u09ae', u'\u09ae\u0999\u09cd\u0997\u09b2', u'\u09ac\u09c1\u09a7', u'\u09ae', u'\u09ae'
class arrow.locales.RomanshLocale
                  names = [u'rm', u'rm_ch']
                  past = u'avant \{0\}'
                  future = u'en \{0\}'
                  timeframes = {u'seconds': u'secundas', u'month': u'in mais', u'hours': u'{0} ura', u'year': u'in onn', u'years': u'{0} o
                  month_names = [u'', u'schaner', u'favrer', u'mars', u'avrigl', u'matg', u'zercladur', u'fanadur', u'avust', u'settember',
                  month_abbreviations = [u'', u'schan', u'fav', u'mars', u'avr', u'matg', u'zer', u'fan', u'avu', u'set', u'oct', u'nov', u
                  day_names = [u", u'glindesdi', u'mardi', u'mesemna', u'gievgia', u'venderdi', u'sonda', u'dumengia']
                  day_abbreviations = [u'', u'gli', u'ma', u'me', u'gie', u've', u'so', u'du']
class arrow.locales.SwissLocale
                  names = [u'de', u'de_ch']
                  past = u'vor \{0\}'
                  future = u'in \{0\}
                  timeframes = {u'seconds': u'Sekunden', u'month': u'einem Monat', u'hours': u'{0} Stunden', u'year': u'einem Jahr',
                  month_names = [u'', u'Januar', u'Februar', u'M\xe4rz', u'April', u'Mai', u'Juni', u'Juli', u'August', u'September', u'C
                  month_abbreviations = [u'', u'Jan', u'Feb', u'M\xe4r', u'Apr', u'Mai', u'Jun', u'Jul', u'Aug', u'Sep', u'Okt', u'Nov
                  day_names = [u", u'Montag', u'Dienstag', u'Mittwoch', u'Donnerstag', u'Freitag', u'Samstag', u'Sonntag']
                  day_abbreviations = [u'', u'Mo', u'Di', u'Mi', u'Do', u'Fr', u'Sa', u'So']
class arrow.locales.RomanianLocale
                  names = [u'ro', u'ro_ro']
                  past = u'\{0\} \xeen urm \u0103'
                  future = u'peste {0}'
                  timeframes = {u'seconds': u'c\xe2teva secunde', u'month': u'o lun\u0103', u'hours': u'{0} ore', u'year': u'un an', u'ye
```

```
month_names = [u'', u'ianuarie', u'februarie', u'martie', u'aprilie', u'mai', u'iunie', u'iulie', u'august', u'septembrie', u
                              month_abbreviations = [u'', u'ian', u'febr', u'mart', u'apr', u'mai', u'iun', u'iul', u'aug', u'sept', u'oct', u'nov', u'd
                              day_names = [u'', u'luni', u'mar\u021bi', u'miercuri', u'joi', u'vineri', u's\xe2mb\u0103t\u0103', u'duminic\u0103']
                              \verb"day_abbreviations" = [u", u"Lun", u"Mar", u"Mie", u"Joi", u"Vin", u"S\xe2m", u"Dum"]
class arrow.locales.SlovenianLocale
                              names = [u'sl', u'sl_si']
                              past = u'pred \{0\}'
                              future = u'\setminus u010 dez \{0\}'
                              timeframes = {u'seconds': u'sekund', u'month': u'mesec', u'hours': u'{0} ur', u'year': u'leto', u'years': u'{0} let', u'n
                              meridians = {u'AM': u'', u'PM': u'', u'am': u'', u'pm': u''}
                              month_names = [u'', u'Januar', u'Februar', u'Marec', u'April', u'Maj', u'Junij', u'Julij', u'Avgust', u'September', u'O
                              month_abbreviations = [u'', u'Jan', u'Feb', u'Mar', u'Apr', u'Maj', u'Jun', u'Jul', u'Avg', u'Sep', u'Okt', u'Nov', u
                              day_names = [u", u'Ponedeljek', u'Torek', u'Sreda', u'\u010cetrtek', u'Petek', u'Sobota', u'Nedelja']
                              day_abbreviations = [u'', u'Pon', u'Tor', u'Sre', u'\u010cet', u'Pet', u'Sob', u'Ned']
class arrow.locales.IndonesianLocale
                              names = [u'id', u'id id']
                              past = u'{0} yang lalu'
                              future = u'dalam \{0\}'
                              timeframes = {u'seconds': u'detik', u'month': u'1 bulan', u'hours': u'{0} jam', u'year': u'1 tahun', u'years': u'{0} tah
                              meridians = {u'AM': u'', u'PM': u'', u'am': u'', u'pm': u''}
                              month_names = [u'', u'Januari', u'Februari', u'Maret', u'April', u'Mei', u'Juni', u'Juli', u'Agustus', u'September', u'C
                              month_abbreviations = [u'', u'Jan', u'Feb', u'Mar', u'Apr', u'Mei', u'Jun', u'Jul', u'Ags', u'Sept', u'Okt', u'Nov',
                              day_names = [u'', u'Senin', u'Selasa', u'Rabu', u'Kamis', u'Jumat', u'Sabtu', u'Minggu']
                              day_abbreviations = [u", u'Senin', u'Selasa', u'Rabu', u'Kamis', u'Jumat', u'Sabtu', u'Minggu']
class arrow.locales.NepaliLocale
                              names = [u'ne', u'ne_np']
                              past = u'\{0\} \u092a\u0939\u093f\u0932\u0947'
                              future = u'\{0\} \u092a\u091b\u0940'
                              timeframes = \{u'seconds': u'u0938 u0947 u0915 u0923 u094d u0921', u'month': u'u090f u0915 u092e u0939 u093f u0926 u0939 u0936 u093
                              \texttt{meridians} = \{u'AM': u'\setminus u092a\setminus u0942\setminus u0930\setminus u094d\setminus u0935\setminus u093e\setminus u0934d\setminus u0928', u'PM': u'\setminus u0905\setminus u092a\setminus u0930\setminus u093e\setminus u0
                              \verb|month_names| = | u'', u' u091c u0928 u0935 u0930 u0940', u' u092b u0947 u092c u094d u0930 u0941 u0905 u0930 u0940 u0
                              month\_abbreviations = [u'', u'\u091c\u0928', u'\u092b\u0947\u092c', u'\u092e\u093e\u0930\u094d\u0991a', u'\u0990f\u0940\u094b', u'\u092b\u094f\u094b', u'\u092b\u094f\u094b', u'\u092b\u094f\u094b', u'\u092b\u094f\u094b', u'\u092b\u094b', u'\u094b', u
                              \label{eq:day_abbreviations} $$ = [u'', u'\u0938\u094b\u092e', u'\u092e\u0991\u0932', u'\u092c\u0941\u0927', u'\u092c\u0941\u0927', u'\u092c\u0941\u0932', u'\u092c\u0941\u0932', u'\u093e\u094b\u093e', u'\u093e', u'\u
```

class arrow.locales.EstonianLocale

```
names = [u'ee', u'et']
past = u'{0} tagasi'
future = u'{0} p\xe4rast'
```

$$\label{timeframes} \begin{split} &\text{timeframes} = \{\text{u'seconds': } \{\text{u'past': u'}\{0\} \text{ sekundit', u'future': u'}\{0\} \text{ sekundi'}\}, \text{u'month': } \{\text{u'past': u'} \setminus \text{kskuu', u'future': u'}\{0\} \text{ sekundi'}\}, \text{u'month': } \{\text{u'past': u'} \setminus \text{kskuu', u'future': u'}\{0\} \text{ sekundi'}\}, \text{u'month': } \{\text{u'past': u'} \setminus \text{kskuu', u'future': u'}\{0\} \text{ sekundi'}\}, \text{u'month': } \{\text{u'past': u'} \setminus \text{kskuu', u'} \setminus \text{ksuu', u'} \setminus$$

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