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# BloomR time functions

# Beta time functions

## Description

Miscellaneous functions dealing with dates.

## Usage

```
br.try.date(d)
br.is.same.class(...)
```

## Arguments

**d** a POSIXlt, POSIXct, Date, “%Y/%m/%d”, or “%Y-%m-%d” vector

## Details

`br.try.date` converts a vector to a date vector if possible or return `NULL`. Any vector element should be POSIXlt, POSIXct, Date, “%Y/%m/%d”, or “%Y-%m-%d”

`br.is.same.class` check if all supplied argumets have the same class. It is mostly intended to check if dates are homogeneous.

# Time extension functions

## Description

Functions to get, set dates.

## Usage

```
day(d)
month(d)
year(d)
day(d, n)
month(d, n)
year(d, n)
day(d)=x
month(d)=x
```

```
year(d)=x
d %+% n
d %-% n
last.day(d)
day.us(d1, d2)
```

## Arguments

**d, d1, d2** objects of class date
**x** an integer representing the day/month/year
**n** an integer representing the months to add/subtract

## Details

If `component` is `day`, `month` or `year`: `component(d)` returns the *component* of the date `d` as an integer; `component(d, n)` returns the date `d` with the *component* set to the integer `n`; `component(d)= n` sets to the *component* of the date `d` to the integer `n`.
`%+%` and `%-%` add and subtract months to a date.
`last.day` returns last day of the month as an integer. `day.us` calculates date differences with the US convention.