Package 'set'

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Type Package
Title Set Operation
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Author Zhi Jin, Jing Zhang
Maintainer Zhi Jin <nalanchongxuan@163.com></nalanchongxuan@163.com>
Description More easy to get intersection, union or complementary set and combinations.
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and

Get Intersection Set for Sets

Description

Get intersection set for sets.

Usage

```
and(...)
a %and% b
```

Arguments

```
one or more objectsone objectthe other object
```

Value

intersection elements

Examples

```
A <- c("a", "b", "c")
B <- c("a", "b", "c", "d")
C <- c("a", "e", "h")
and(A, B)
and(A, B, C)
A <- c("a", "b", "c")
B <- c("a", "b", "c", "d")
C <- c("a", "e", "h")
A %and% B
A %and% B %and% C
```

combination

Combination of Characters or Vectors

Description

Combination of characters or vectors.

Usage

```
combination(...)
```

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Arguments

... one or more vectors

Value

binary combination

Examples

```
A <- c("a", "b", "c")
combination(A)

B <- c("a", "b", "c", "d")
C <- c("a", "e", "h")
D <- c("a", "b", "e")
E <- c("a", "c")
combination(A,B)
combination(A,B,C)
combination(A,B,C,D)
combination(A,B,C,D,E)</pre>
```

grep

Grep for vectors

Description

Grep for vectors

Usage

```
grep_or(x, patterns)
grep_and(x, patterns)
grep_not_and(x, patterns)
grep_not_or(x, patterns)
```

Arguments

x vectors with one or more characterspatterns vectors with one or more characters

Value

vectors

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Examples

```
x=c('a12','a','b')
patterns=c('b','1')
grep_or(x,patterns)
x=c('a12','a1','b')
patterns=c('a','1')
grep_and(x,patterns)
x=c('a12','a','b')
patterns=c('a','1')
grep_not_and(x,patterns)
x=c('a12','a','b')
patterns=c('a','1')
grep_not_or(x,patterns)
```

grepl

Grepl for vectors

Description

Grepl for vectors

Usage

```
grepl_or(x, patterns)
grepl_and(x, patterns)
grepl_not_and(x, patterns)
grepl_not_or(x, patterns)
```

Arguments

x vectors with one or more characterspatterns vectors with one or more characters

Value

vectors

Examples

```
x=c('a12','a','b')
patterns=c('b','1')
grepl_or(x,patterns)
x=c('a12','a1','b')
patterns=c('a','1')
grepl_and(x,patterns)
```

not 5

```
x=c('a12','a','b')
patterns=c('a','1')
grepl_not_and(x,patterns)
x=c('a12','a','b')
patterns=c('a','1')
grepl_not_or(x,patterns)
```

not

Get Elements only Existed in Dataset a

Description

Get elements only existed in dataset a.

Usage

```
not(...)
a %not% b
```

Arguments

```
one or more objectsone objectthe other object
```

Value

elements only existed in dataset a

Examples

```
A <- c("a", "b")
B <- c("a", "b", "c", "d")
not(B, A)

E <- c('d')
not(B, A, E)
A <- c("a", "b", "c")
B <- c("a", "b", "c", "d")
B %not% A
```

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or

Get Union Set for Sets

Description

Get union set for sets.

Usage

```
or(...)
a %or% b
```

Arguments

```
one or more objectsone objectthe other object
```

Value

union elements

Examples

```
A <- c("a","b","c")
B <- c("a","b","c","d")
C <- c("a","e","h")
or(A, B)
or(A, B, C)
A <- c("a","b","c")
B <- c("a","b","c","d")
C <- c("a","e","h")
A %or% B
A %and% B %or% C
```

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