

brace-expansion

[Brace expansion](#), as known from sh/bash, in JavaScript.

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Example

```

    , file4.jpg]
// => [file0.jpg, file2.jpg,
expand(file{0..4..2}.jpg)

    , file0.jpg]
// => [file2.jpg, file1.jpg,
expand(file{2..4..2}.jpg)

    , file-e.jpg]
// => [file-a.jpg, file-c.jpg,
expand(file-{a..e..2}.jpg)

    , file-0.jpg]
// => [file0.jpg, file5.jpg]
expand(file{0..10..5}.jpg)

    , file10.jpg]
// => [file00.jpg, file05.jpg,
expand(file{{A..C},{a..c}})

    , pppconf]
// => [ppp, ppcnfg, pppoe,
expand(ppp{conf,oe,conf})]

    , ppoeconf]
// => [ppp, ppcnfg, pppoe,
expand(ppp{conf,oe,conf})];

```

```
var expand = require('brace-expansion');
```

API

var expanded = expand(str)

Return an array of all possible and valid expansions of `str`. If none are found, `[str]` is returned.

Valid expansions are:

```
/^(.*\.)+(\.+)?$/  
// {a,b,...}
```

A comma separated list of options, like `{a,b}` or `{a,{b,c}}` or `{,a,}`.

```
/^-?\d+\.\.\.-?\d+(\.\.\.-?\d+)?$/  
// {x..y[..incr]}
```

A numeric sequence from `x` to `y` inclusive, with optional increment. If `x` or `y` start with a leading `0`, all the numbers will be padded to have equal length. Negative numbers and backwards iteration work too.

```
/^-?\d+\.\.\.-?\d+(\.\.\.-?\d+)?$/  
// {x..y[..incr]}
```

An alphabetic sequence from `x` to `y` inclusive, with optional increment. `x` and `y` must be exactly one character, and if given, `incr` must be a number.

For compatibility reasons, the string `${}` is not eligible for brace expansion.

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Contributors

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