[illegible]

[illegible]

1. [illegible]

[illegible]

0.6.0[illegible]Red[illegible]Red[illegible]Red[illegible]Red[illegible] object-oriented reactive programming [illegible]

[illegible]API[illegible]

[react-simple] | *react-simple.png*

[illegible]*A*[illegible]*B*[illegible]

[react-graph] | *react-graphs.png*

[illegible]*C*[illegible]*D*[illegible]*E*[illegible]

[illegible] `react/unlink` [illegible] `clear-reaction` [illegible]

[illegible]

NOTE:

- [illegible]

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```
view [
    s: slider return
    b: base react [b/color/1: to integer! 255 * s/data]
]
```

□□□□□□□s□□□□□□□□□□□□□□□□slider□□□□b□□□□□□□□□□□□□□□□□□base□□Red/View□□□

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```
vec: make reactor! [x: 0 y: 10]
box: object [length: is [square-root (vec/x ** 2) + (vec/y ** 2)]]
```

□□is□□□□□□□□□□□□□□□□□is□□□□□□□□□□word□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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```
a: make reactor! [x: 1 y: 2 total: is [x + y]]
```

□□□□total□□□□word□□x +
y□□□□□□□□□□□□□□□□□□□□□□x□□□y□□□□□□□□□□□□□total□□is□□□

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```
a: make reactor! [x: 1 y: 2]
total: is [a/x + a/y]
```

□□□□□□□□□□□□□□□□□□□□□□□□word□□word□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□Excel□□

NOTE:□□total□□

1.3. □□□□□□□□□□□□□□□□□□

□□□ □□ □□react/link□□□□□□□□□□□□□□□□□□□□

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```
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win: layout [
    size 400x500
    across
    style ball: base 30x30 transparent draw [fill-pen blue circle 15x15 14]
    ball ball ball ball ball ball ball b: ball loose
    do [b/draw/2: red]
]

follow: func [left right][left/offset/y: to integer! right/offset/y * 108%]

faces: win/pane
while [not tail? next faces][
    react/link :follow [faces/1 faces/2]
    faces: next faces
]
view win
```

□□□□□□□□□□□□□□□□□□□□□□□□□face□□□□□□□□□□□□□□□□□□follow□□

2. API

2.1. react

[illegible]

```
react <code>
react/unlink <code> <source>

react/link <func> <objects>
react/unlink <func> <source>

react/later <code>

<code>    : [illegible]
<func>    : [illegible]
<objects> : [illegible]
<source>  : [illegible]'all[illegible]word[illegible]object![illegible]block![illegible]

Returns   : [illegible] <code> [illegible] <func>
```

[illegible]

[illegible]react[illegible]1[illegible]/link[illegible]path![illegible]

[illegible]react[illegible] [illegible]/later[illegible]

[illegible]Red[illegible]

[illegible]/link[illegible]react[illegible] [illegible] [illegible]

[illegible]/unlink[illegible]<source>[illegible]

- [illegible]'all[illegible]word[illegible]
- [illegible]
- [illegible]

[illegible]/unlink[illegible] [illegible] [illegible]

2.2. is

□□

```
<word>: is <code>

<word> : □□□□□□□□□□□□□□□word□set-word!□□
<code> : 1□□□□□□□□□□□□□□□□□□□□□□□□□block!□□
```

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NOTE:□□□□□□Excel□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□

```
a: make reactor! [x: 1 y: 2 total: is [x + y]]

a/total
== 3
a/x: 100
a/total
== 102
```

2.3. react?

□□

```
react? <obj> <field>
react?/target <obj> <field>

<obj>   : □□□□□□□□□□□□□object!□
<field> : □□□□□□□□□□□□□□□□□□□□word!□

Returns : □□□□□□block!□□□function!□□ none! □□
```

□□

□react?□□□none□□□□□□□□□□/target□□none□□□□□□□

2.4. clear-reactions

□□

```
clear-reactions
```

[illegible]

[illegible]

2.5. dump-reactions

[illegible]

```
dump-reactions
```

[illegible]

[illegible]

3. [illegible]

[illegible]Red[illegible]

3.1. reactor!

[illegible]

```
make reactor! <body>

<body> : [illegible]block![illegible]

[illegible]
```

[illegible]

[illegible]

NOTE:[illegible]is[illegible]

3.2. deep-reactor!

[illegible]

```
make deep-reactor! <body>

<body> : [illegible]block![illegible]

[illegible]
```

[illegible]

[illegible]series[illegible]

[illegible]series[illegible]

NOTE:[illegible]is[illegible]

[illegible]

[illegible]series[illegible]

NOTE:[illegible]deep-reactor![illegible]is[illegible]series[illegible]

```
r: make deep-reactor! [
    x: [1 2 3]
    y: [[a b] [c d]]
    total: is [append copy x copy y]
]
append r/y/2 'e
print mold r/total
```