[illegible]

[illegible]

1. [illegible]

Red[illegible]DSL[illegible]Red[illegible] [illegible]*1*[illegible]

[illegible] *Red*[illegible]Github[illegible]red/red[illegible]

Red/System[illegible]Red[illegible]Red[illegible]Red/System[illegible]

[illegible]

2. 1[illegible]

1[illegible]1080[illegible]1[illegible]Red[illegible]100[illegible]

3. [illegible]

Red[illegible] **4** [illegible]2[illegible]8[illegible]

red/red[illegible]Red[illegible]

```
Tabs: 4
```

[illegible]

[illegible]

```
func [
    arg1
    arg2
    ...
][
    print arg1
    ...
]
```

[illegible]

```
func [
arg1               ;-- [illegible]
arg2
...
][
       print arg1      ;-- [illegible]
       ...
]
```

4. [illegible]

[illegible] `[]` [illegible] `()` [illegible]

[illegible]

```
a: []
```

[illegible]

```
[][]
[]()
```

```
[
   hello
][                         ;-- [illegible]
   world
]
```

[illegible]

```
array: [[] [] [] []]
list:  [ [] [] [] [] ]

either a = 1 [["hello"]][["world"]]
either a = 1 [ ["hello"] ][ ["world"] ]
```

[illegible]

```
b: either a = 1 [a + 1][3]
```

[illegible]

[illegible]

```
b: either a = 1 [
    a + 1
][
    123 + length? mold a
]
```

[illegible]

```
b: either a = 1
    [a + 1][123 + length? mold a]
```

[illegible]*Red*[illegible] `either` [illegible]

[illegible]

```
print either a = 1 ["hello"][
    append mold a "this is a very long expression"
]

while [not tail? series][
    print series/1
    series: next series
]
```

5. [illegible]

[illegible] [illegible] [illegible]
[illegible]Red[illegible]word[illegible]
[illegible][illegible] [illegible]

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□□□□

```
code: 123456
name: "John"
table: [2 6 8 4 3]
lost-items: []

unless tail? list [author: select list index]
```

□□□

```
code_for_article: 123456
Mytable: [2 6 8 4 3]
lostItems: []

unless tail? list-of-books [author-property: select list-of-books selected-index]
```

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□□□word□□ `logic!`
□□□ `length?`□
`index?`□□□

□□□□

```
make:   func [...
reduce: func [...
allow:  func [...
crunch: func [...
```

□□□

```
length:    func [...
future:    func [...
position:  func [...
blue-fill: func [...       ;-- fill-blue□□□□□□□
```

□□□□□□□□OS□Red□□□□□□□□□□□□API□□□□□□□□□API□□Red□Red/System□□

```
tagMSG: alias struct! [
    hWnd   [handle!]
    msg    [integer!]
```

```
      wParam [integer!]
      lParam [integer!]
      time   [integer!]
      x      [integer!]
      y      [integer!]
   ]

  #import [
     "User32.dll" stdcall [
         CreateWindowEx: "CreateWindowExW" [
             dwExStyle    [integer!]
             lpClassName  [c-string!]
             lpWindowName [c-string!]
             dwStyle      [integer!]
             x            [integer!]
             y            [integer!]
             nWidth       [integer!]
             nHeight      [integer!]
             hWndParent   [handle!]
             hMenu        [handle!]
             hInstance    [handle!]
             lpParam      [int-ptr!]
             return:      [handle!]
         ]
     ]
 ]
```

6. [illegible]

[illegible]

- [illegible] GMT [illegible]
- [illegible]Red[illegible]API[illegible]

7. [illegible]Red/System[illegible]

Red/System[illegible] _ [illegible]

[illegible]*Red*[illegible]

8. [illegible]

[illegible]Red/System[illegible]

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```
do-nothing: func [][]
increment: func [n [integer!]][n + 1]

increment: func [n [integer!]][
   n + 1
]

increment: func [
    n [integer!]
][
    n + 1
]
```

□□□

```
do-nothing: func [
][
]

do-nothing: func [

][

]

increment: func [
    n [integer!]
][n + 1]
```

□□/local□□□□□□□□□□□□□□□□□□□□□word□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□□

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```
make-world: func [
    earth   [word!]
    wind    [bitset!]
    fire    [binary!]
    water   [string!]
    /with
        thunder [url!]
    /only
    /into
        space   [block! none!]
```

```
    /local
    plants animals men women computers robots
][
    ...
]
```

□□□

```
make-world: func [
   [throw] earth [word!]       ;-- □□□□□□□□□□□□□□□□
       wind    [bitset!]
       fire [binary!]          ;-- □□□□□□□□□
       water   [string!]
       /with
           thunder [url!]
       /only
       /into space [block! none!]  ;-- /with□□□□□□□□□□□□
       /local
           plants animals      ;-- □□□□□□
           men women computers robots
][
   ...
]
```

docstring□□□docstring□□□□□□□□□□□ □docstring□□□□□□□□□□□□□□□□□□□□□□□□ `help` □□□□□□□□□□□□□□□□□

□□□□

```
increment: func ["Add 1 to the argument value" n][n + 1]

make-world: func [
    "Build a new World"
    earth    [word!]      "1st element"
    wind     [bitset!]    "2nd element"
    fire     [binary!]    "3rd element"
    water    [string!]
    /with         "Additional element"
        thunder [url!]
    /only         "Not implemented yet"
    /into         "Provides a container"
        space [unset!]    "The container"
    /local
        plants animals men women computers robots
][
   ...
]
```

□□□

```
make-world: func ["Build a new World"  ;-- □□□□□
    earth  [word!]     "1st element"
    wind   [bitset!]     "2nd element" ;-- □□□□□□□□
    fire   [binary!]
    "3rd element"          ;-- `fire` □□□□□□□
    water  [string!]
    /with          "Additional element"
           thunder [url!]
    /only "Not implemented yet"    ;-- □□docstring□□□□□□□
    /into
          "Provides a container"      ;-- □□□□□□□□□□□□
           space [unset!]  "The container"
    /local
        plants animals men women computers robots
][
       ...
]
```

9. □□□□□

□□

□□□□

```
foo arg1 arg2 arg3 arg4 arg5

process-many
    argument1
    argument2
    argument3
    argument4
    argument5
```

□□□

```
foo arg1 arg2 arg3
    arg4 arg5

foo
    arg1 arg2 arg3
    arg4 arg5

process-many
    argument1
        argument2
            argument3
                argument4
```

```
                    argument5
```

ネストが多く長い式については、それぞれの式の区切りを明示することが難しい場合があります。引数を伴うネストした関数呼び出しをグルーピングするために、丸括弧を使うことは許可されます（ただし、必須ではありません）。

```
head insert (copy/part [1 2 3 4] 2) (length? mold (2 + index? find "Hello" #"o"))

head insert
    copy/part [1 2 3 4] 2
    length? mold (2 + index? find "Hello" #"o")
```

10. コメント

Redのコードベースでは以下のようになっています。

- 視覚的に分かりやすくするため、プレフィックスとして `;--` を使います。
- 1行のコメントは57列目から始まります（平均的にはこれが最も適切な列数です。もしくは53列目を使います）。
- 複数行のコメントは `comment {…}` 形式よりも、1行コメントを複数行使って記載します。

一般的なルールとして、縦のスペースを取りすぎないように、コメントは対応するコードと同じ行に書きます。ただし、コメントがコードと分離している場合、新しい行に書いても問題ありません。

11. 文字列のシンタックス

1行の文字列は `""` を使います。 `{}` 形式は複数行文字列のために使います。このルールを遵守することで、以下のことが保証できます。

- コードをloadする前後におけるソースの表示の一貫性
- 意味の分かりやすさ

このルールの例外は1行の文字列の中身に `"` を含む場合です。この場合、 `{}` 形式を使うことで、エスケープクォート `^"` を使わずにすむため、可読性が向上します。

12. 改行の使い方

未定