

	_

1.		1
	1.1. ConfigDDDDD	2
	1.2. 0000000	2
	1.3. 000000	2
2.		3
	2.1. 0000000	3
	2.2. 000000000	4
3.		5
	3.1. #if	5
	3.2. #either	6
	3.3. #switch	7
	3.4. #case	7
	3.5. #include	8
	3.6. #do	8
	3.7. #macro	9
	3.8. #local	. 11
	3.9. #reset	. 11
	3.10. #process	. 12
	3.11. #trace	. 12
4.	DDDDDAPI	. 13
	4.1. expand-directives	. 13

1. 00000

- blockDDDDD expand-directives DDDDDDDD

- ullet

0000000 # 0000000 issue! 000000000

NOTE

1.1. Config□□□□□□

config

#if config/OS = 'Windows [#include %windows.red]

1.2.

 $\begin{cert} \begin{cert} \b$

Tips:

#do [probe self]

probe preprocessor/exec

1.3. ПППППП

_	 	
	П	П
- /	 	

4. UUU
RedDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
NOTE:000000000000000000000000000000000000
2.1.
#macro name: func [arg1 arg2 /local word1 word2][code]
aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
1. 0000000
2. 000000000000
3. 000000000000000000000000000000000000
4. 000000000000000000000000000000000000
NOTE: DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
Red [] #macro make-KB: func [n][n * 1024] print make-KB 64
Red [] print 65536
Red [] #macro make-KB: func [n][n * 1024] #macro make-MB: func [n][make-KB make-KB n]

```
print make-MB 1
```

```
Red []
print 1048576
```

2.2.

[manual]

```
#macro <rule> func [<attribute> start end /local word1 word2...][...code...]
```

- lit-word!
- block!DDDDParseDDDDDDDDDDDD

```
Red []
#macro integer! func [s e][s/1 + 1]
print 1 + 2
```

```
Red []
print 2 + 3
```

```
Red []
#macro integer! func [[manual] s e][s/1: s/1 + 1 next s]
print 1 + 2
```

block

```
Red []
#macro ['max some [integer!]] func [s e][
    first maximum-of copy/part next s e
]
print max 4 2 3 8 1
```



```
Red []
print 8
```

3. 0000000

3.1. #if

```
Red []
#if config/OS = 'Windows [print "OS is Windows"]
```

Windows

```
Red []
```

```
print "OS is Windows"
```

Windows

```
Red []
```

```
Red []
#do [debug?: yes]
#if debug? [print "running in debug mode"]
```

```
Red []
print "running in debug mode"
```

3.2. #either

```
Red []
print #either config/OS = 'Windows ["Windows"]["Unix"]
```

```
Red []
```

```
print "Windows"
```

Windows

```
Red []
print "Unix"
```

3.3. #switch

```
Red []

print #switch config/OS [
    Windows ["Windows"]
    Linux ["Unix"]
    MacOSX ["macOS"]
]
```

```
Red []
print "Windows"
```

3.4. #case

```
#case [<expr1> [<case1>] <expr2> [<case2>] ...]
<exprN> : [][]
```

```
<caseN> : 0000true000000000
```

```
Red []
#do [level: 2]

print #case [
    level = 1 ["Easy"]
    level >= 2 ["Medium"]
    level >= 4 ["Hard"]
]
```

```
Red []
print "Medium"
```

3.5. #include

```
#include <file>
<file> : DDDDRedDDDDD Dfile!D
```

3.6. #do

```
#do [<body>]
#do keep [<body>]
<body> : DDDRedDDDD
```

```
Red []
#do [a: 1]
print ["2 + 3 =" #do keep [2 + 3]]
#if a < 0 [print "negative"]</pre>
```

```
Red []
print ["2 + 3 =" 5]
```

3.7. #macro

 ${\tt added} {\tt a$

- lit-word00000word000000000

```
Red []
#macro pow2: func [n][to integer! n ** 2]
print pow2 10
print pow2 3 + pow2 4 = pow2 5
```



```
Red []
print 100
print 9 + 16 = 25
```



```
Red []
#macro [number! '+ number! '= number!] func [s e][
   do copy/part s e
]
print 9 + 16 = 25
```



```
Red []
print true
```

```
]
print sqrt 9
print sqrt -4
```

```
*** SQRT Error: no negative number allowed

*** At: sqrt -4
(halted)
```

3.8. #local

```
#local [<body>]
<body> : 00000000000Red000
```

```
Red []
print 1.0
#local [
    #macro float! func [s e][to integer! s/1]
    print [1.23 2.54 123.789]
]
print 2.0
```

```
Red []
print 1.0
print [1 3 124]
print 2.0
```

3.9. #reset

#reset

 ${f a}$

3.10. #process

```
#process [on | off]
```

```
Red []
print "Conditional directives:"
#process off
foreach d [#if #either #switch #case][probe d]
#process on
```



```
Red []

print "Conditional directives:"

foreach d [#if #either #switch #case][probe d]
```

3.11. #trace

```
#trace [on | off]
```

4. 00000API

4.1. expand-directives

expand-directives [<body>]
expand-directives/clean [<body>]
<body> : 0000000000000Red000

 /clean

expand-directives [print #either config/OS = 'Windows ["Windows"]["Unix"]]

[print "Windows"]