

	_

1.		1
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	1.2. 00000000	2
	1.3. 000000	2
2.		3
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# 1. 00000

- blockDDDDD expand-directives DDDDDDDD

- ullet

0000000 # 0000000 issue! 000000000 NOTE **1.1. Config**□□□□□□ config #if config/OS = 'Windows [#include %windows.red] config NOTE: config **1.2. DDDDDDDD** Tips: ullet#do [probe self] ulletprobe preprocessor/exec

1.3.

 $\label{local_cond_cond_cond_cond_cond} \begin{subarray}{l} \end{subarray} \begin{sub$ 

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	$\Box$	$\Box$	П
~ //			

Red000000000000000000000000000000000000
NOTE: DDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDDD
<b>2.1.</b> DDDDDD
#macro name: func [arg1 arg2 /local word1 word2][code]
00000000000000000000000000000000000000
1. 0000000
2. 0000000000000
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!000000word000000000
- 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"]
```

```
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"]
```

Windows

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

Windows

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

## 3.3. #switch

```
Red []

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

Windows

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

## 3.4. #case

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

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

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

# **3.5.** #include

```
#include <file>
<file> : 0000Red00000 Ofile!0
```

## 3.6. #do

```
#do [<body>]
#do keep [<body>]
<body> : 000Red0000
```

```
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

#### 

- lit-word00000word00000000

```
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
```

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

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

## 3.8. #local

```
#local [<body>]
<body> : 0000000000Red000
```

```
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
```

 $\tt accorded accorded$ 

# **3.10. #process**

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

П

```
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>]

<br/>
<br/>
<br/>
dy> : 000000000000000000Red000

 /clean

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

[print "Windows"]