

COMMAND SYNTAX definitions. (see -WhatsOP- PLANNING GUIDE)

The DATA SYNTAX table is as follows: ALL WORDS IN A LINE ARE SYNONYMOUS and can used interchangeably. Limit each line to 200 characters. Both UPPER and LOWER CASES ARE USED, including combinations.

Variable definitions:

1. =TITLE=SUMMARY
2. =MACHINE=PROCESS=SECTION=PLANT=UNIT
3. =RESOURCE=VARIABLES=MATERIALS=ACTIVITY
4. =MAXIMIZE=MINIMIZE

Constraints definitions: (parameter data statements)

5. =PRICES=VALUES
6. =COSTS=EXPENSES
7. =MINIMUM=LOW=L.L.=LOWERB=LOW.LMT
8. =MAXIMUM=HIGH=U.L.=UPPERB=HIGH.LMT
9. =FIXED=HOLD=SET
10. =LIMITS=BOUNDS=RANGE

Controlling relations between variables: (equation or relational data statements)

11. =USE=SPLIT=COMBINE=ACCUMULATE=INPUTS
12. =POOL=INVENTORY=WIP
13. =DISTRIBUTE=SUPPLY
14. =APPLYCOST=ADDCOST
15. =EQUATIONS=EQUATE=CONSTRAINTS=ROWS
16. =XFERCOST=XFER\$
17. =TABLE=TABULATION
18. =DATA
19. =END=ENDATA
(removing or deleting relational data statements)
20. =REMOVE=DROP=DELETE
(command preposition for relational data statements)
21. =FROM=WITH
22. =FOR=TO=MAKE=TOMAKE=INTO=OUTPUTS
(relational operators for equations)
23. =<LE>=<LT>
24. =<EQ>=EQUALS
25. =<GE>=<GT>
26. =<RN>=<RANGE>
27. =INCLUDE=COPYDATA

Language Implementation

1. Translations were done via Bing Translator and may be inaccurate and funny. This facility is supplied to allow corrections. The Recipe-Like Command syntax and Report-Control syntax were not changed to use the same DEMO files for all languages (1-87 lines). These can be translated if needed. All text displays are from utf-8 encoded files.
2. All lexical and messages are kept in a file. Care must be implemented in modifying the text file **Lexical.txt** containing keywords and messages used by the program. Please try to have same size correspondence between the supplied English version and any adjustments to be made. A listing of the English file as per installation will be in **Lexical.log**.
3. **Applications.ini** (could be translated) for the English version was duplicated to allow processing a single sample application DEMO files supplied with the program. The supplied language option will have the **LP-ENV.CON** already translated. Help Files and Documentations could also be translated, but not translated in the package, i.e **WhatsOPHelp** and **WhatsOp.pdf**.
4. The supplied program **InstallLang.exe** is used to install the **Lexical.txt** into the system, and **Lexical.log** is produced showing any possible errors. The last entry should line 270. The line limit is 200 characters. **SetLang** is then executed to change the current syntax and messages into the new adjusted language.

Language Option

How to modify current language
syntax and messages

Edit Lexical.txt

- o Try to match corresponding English text
- o Each line is limited to 200 characters
- o "|" character is used to indicate newline
- o "+" Character is used to indicate data will be added
- o "=" Character is used for Recipe-like command syntax



Run InstallLang.exe

Lexical.txt is processed and incorporated
into **LP-ENV.CON**

AutoRun SetLang

LP-ENV.CON is processed and made active.
New Language adjustments are now used.

Note: For Unicode support, Lexical.txt is encoded in UTF8-without BOM, and line 182 should be:
(making Lexical.txt one line more than Lexical.log, i.e. 271 lines)

```
182 --Unicode version WhatsOptimal-DO NOT TRANSLATE-
```

```
180 .....NAME .....ACTIVITY .....
181 該解決方案被發現不可行 !
182 --Unicode version WhatsOptimal--DO NOT TRANSLATE--
183 由 Seeana 系統版權 1983年-13 WhatsOptimal
184 此展示版本本是僅限於 the|在當前大小的提供的樣品 !
185 找不到，應用實例 |請重新安裝 WhatsOP!
```

English Lexical NOT translated due to DEMO files:

0 =TITLE=SUMMARY
1 =MACHINE=PROCESS=SECTION=PLANT=UNIT
2 =RESOURCE=VARIABLES=MATERIALS=PRODUCT=ACTIVITY
3 =MAXIMIZE=MINIMIZE
4 =PRICES=VALUES
5 =COSTS=EXPENSES
6 =MINIMUM=LOW=L.L.=LOWERB=LOW.LMT
7 =MAXIMUM=HIGH=U.L.=UPPERB=HIGH.LMT
8 =FIXED=HOLD=SET
9 =LIMITS=BOUNDS=RANGE
10 =USE=SPLIT=COMBINE=ACCUMULATE=INPUTS
11 =POOL=INVENTORY=WIP
12 =DISTRIBUTE=SUPPLY
13 =APPLYCOST=ADDCOST
14 =EQUATIONS=EQUATE=CONSTRAINTS=ROWS
15 =XFERCOST=XFERS
16 =TABLE=TABULATION
17 =DATA
18 =END=ENDATA
19 =REMOVE=DROP=DELETE
20 =FROM=WITH
21 =FOR=TO=MAKE=TOMAKE=INTO=OUTPUTS
22 =<LE>=<LT>
23 =<EQ>=<EQUALS>
24 =<GE>=<GT>
25 =<RN>=<RANGE>
26 =INCLUDE=COPYDATA
27 blank
28 price data:
29 cost data:
30 low limit data:
31 high limit data:
32 fix limit data:
33 range limit data:
34 binary variable:
35 integer variable:
36 semi-con.variable:
37 <..NULL..>
38 <Maximize>
39 <Minimize>
40 <APLYcost>
41 <XFERcost>
42 plan -----
43 sn -----
44 title -----
..

50 fn -----
51 !@@@
52 !@@@@@
53 !@@@@@
54 !@@@@@
55 !@@@@@
56 !@@@@@:
57 !@@@@@
58 ####
59 ###,##0.0#
60 ###,##0.0##
61 #,###,##0.0#
62 #,###,###,##0.00
63 #,##0.00000;(##,##0.00000); ;N/A
64 ##,##0.00000;(##,##0.00000); ;N/A
65 ###,##0.0000;(##,##0.0000); ;N/A
66 ##,###,##0.00;(##,###,##0.00); ;N/A
67 ##,###,##0.0;(##,###,##0.0); ;N/A
68 ##,###,##0;(##,###,##0); ;N/A
69 #,###,###,##0;(##,###,###,##0); ;N/A
70 #,###,##0.000;(##,###,##0.000); ;N/A
71 #,#####E+;(##,#####E+); ;N/A
72 0,#####E+;(0,#####E+); ;N/A
73 0,#####E+
74 @@@@ @@@@ =
75 @@@@ @@@@ @@@@ @@@@
76 @@@@ @@@@ @@@@ @@@@:
77 Select the ReportTemplate file
78 Select the PlanDATA file
79 Select the Database file
80 Select the Location for PlanData file
81 Select the Output DUMPfile
82 Select the Input DUMPfile
83 PlanDATA files|*.dta|
84 Template files|*.tpl;*.htm|
85 Database files|*.dbs|
86 Dumpfiles|*.dmp|
87 WhatsOP files|*.dbs;*.dta;*.tpl;*.sln;*.dmp;*.htm

The following special characters are used accordingly and should not be changed or removed:

Equal(=) to separate keywords in the lexical as per Recipe-like data preparation.

Vertical Bar(|) to indicate newline in the message

Plus(+) to indicate data is included in this spot

Chinese Lexical and Messages Translations VS English version:

88 blank

88 空白

89 RESOURCES

89 資源

90 DESCRIPTION

90 說明

91 VOLUME

91 卷

92 PRICES

92 價格

93 INT.COST

93 INT。成本

94 TOTAL

94 共

95 INCENTIVE

95 激勵

96 LOW.LMT

96 低。馬丁系統

97 HIGH.LMT

97 高。馬丁系統

98 OPTIMIZATION DATE:

98 優化日期：

99 blank

99 空白

100 Processes are assigned nos. 1-999 ONLY

100 進程分配號 1-999 只

101 Resources are assigned nos. 1-9999 ONLY

101 資源配置號 1-9999 只

102 There is no "TO MAKE" verb detected in last command

102 在最後一個命令中檢測到沒有"做"的動詞

103 Numeric values are not allowed for POOL & DISTRIBUTE

103 數位值不允許為池 & 分佈

104 The MAX-count of resources per data statement is 140

104 每個語句的資料資源的最大計數是 140

105 NO command directive specified before this line

105 在這條線之前指定沒有命令指令

106 This command requires a PROCESS declaration

106 此命令需要一個過程聲明

107 Only LIMITS or BOUNDS should carry two(2) values

107 僅限制或界限應攜帶使用蜂膠的兩值

108 The lower LIMIT value should be <LE> the high LIMIT

108 較低的限制值應為 <LE>規定的高限

109 Only PRICES and COST should carry negative values
109 唯一的價格和成本應攜帶負值

110 EXTRAneous data value and is not associated with a resource
110 無關的資料值並不是與資源相關聯

111 The relational operator is invalid i.e.<LE>,<EQ>,<GE> or <RN>
111 關係運算子無效即 <LE> , <EQ> , <GE>或 <RN>

112 The (#) and (@) should always be followed by a number
112 (#) 和 (@) 應始終遵循按編號

113 The incoming data DID NOT corresponds to the TABLE
113 傳入的資料不是對應于表

114 The table is not properly SETUP using TABLE
114 表是無法正確安裝程式使用的表

115 The INCLUDE/COPY file indicated does not EXIST!
115 指示的包括/複製檔不存在 !

116 The Command directive is ILLEGAL or not in the LIST!
116 命令指令是非法或不在清單中!

117 There should be ONLY! one(1) relational operator
117 應該有只 ! (1) 關係運算子

118 master plan: +
118 ...總計劃 : +.....

119 DATA DICTIONARY
119DATADICT我ONARY.....

120 PROCESSES-VECTORS
120PROCESSES-VECTORS.....

121 .. RESOURCES-VARIABLES ...
121 ..RESOURCES-VR我BLES.....

122 ----- INPUTfile ErrorList -----
122 ---輸入檔錯誤--

123 Input = + .dta
123 輸入 = +.dta

124 the following INPUT lines are IGNORED:
124 ...以下輸入行都將被忽略 :

125 <abort> total Lines IGNORED exceeds the LIMIT
125<abort>共行忽略超出限制

126 continue processing INPUT lines.....
126 ...繼續處理輸入行.....

127 warning: resource no: + was not previously defined in MASTER PLAN
127 警告 : 資源沒有 : + 不以前在總體計畫中定義

128 ... updated master ...
128 ...更新主.....

129 MATRIX (TABLEAU)
129 MTR我X(TABLEU)

130 .. VARIABLES...(COLUMNS) =
130 ..VARIABLES.(列) =

131 .. CONSTRAINTS..(ROWS) =
131 ..我NCONSTRTS。。(行) =

132 master plan no: + scenario no:
132 不掌握計畫 : + 方案中沒有 :

133 .. B O U N D S (V A R I A B L E S W I T H L I M I T S) ..
133 .. B O U N D S (變數與限制) ...
134 ALL VARIABLES U N B O U N D E D
134 所有變數 U N B O U N D E D
135 .. E Q U A T I O N S (B Y C O N S T R A I N T S) ..
135 .. E Q U A T I O N S (通過約束) ...
136 master plan no: + scenario no: +
136不掌握計畫 : + 方案中沒有 : +
137 *** T R A C E M E S S A G E S ***
137 *** T R A C E M E S S A G E S ***
138 Phase=+ iteration=+ current obj. value=+
138 階段 = + 反覆運算 = + obj.的當前值 = +
139 <+> entered basis and <+> left basis
139 <+> 輸入基礎和 <+> 左的基礎
140 <+> went to its lower bound
140 去其下限 <+>
141 <+> went to its upper bound
141 <+> 去到它的上限
142 Current basic variables are:
142 當前基本變數是 :
143 Dual non-zero variables:
143 雙非零變數 :
144 Primal non-zero variables:
144 原始的非零變數 :
145 <abort> problem UNBOUNDED| check the variable: <+>
145 <abort>問題 UNBOUNDED| 檢查變數 : <+>
146 <abort> problem MALFORMED| cannot eliminate variable: <+>
146 <abort>問題 MALFORMED| 不能消除變數 : <+>
147 set at its upper bound: <+>
147 在它的上限設置 : <+>
148 set at its lower bound: <+>
148 在其下限設置 : <+>
149 attempt to established dual feasible: <+>
149 建立雙可行的嘗試 : <+>
150 blank
150 空白
151 blank
151 空白
152 ROW:
152 行 :
153master plan.....
153master 計畫.....
154 PRIMAL WITH BOUNDS
154 原始與界限
155 DUAL WITH BOUNDS
155 具有邊界的雙
156 none
156 none

157 Objective function:
157 目標函數：
158 ..O K A Y . optimization yielded an OPTIMAL solution..
158 ..O K Y。優化產生最優的解決方案...
159 ..WARNING . optimization yielded an INFEASIBLE solution..
159 ..警告。優化產生了一種不可行的解決方案...
160S O L U T I O N (INFEAS.)
160S O L U T 我 O N (INFEAS)
161 INFEASIBLE
161 不可行
162 ..TOTAL..
162 ..共...
163 THE FOLLOWING ARE AFFECTED BY THE INFEASIBILITIES
163 以下被受 INFEASIBILITIES
164 NAME ACTIVITY LOWER LIMIT .. UPPER LIMIT
164名稱...活動.....下限...上限.....
165 S O L U T I O N (+)
165S O L U T 我 O N (+)
166 OBJ.FUNCTION
166 目標函數
167 ITERATIONS:
167 反覆運算：
168 INFEASIBILITIES:
168 INFEASIBILITIES：
169 TIME:
169 時間：
170 V A R I A B L E S (C O L U M N S)
170 V R 我 B L E S (列)
171 ACTIVITY : VL = volume. R\$ = reduced cost. I\$ = internal cost.
171 活動：VL = 卷。R\$ = 降低的成本。我 \$ = 內部成本。
172 P\$ = price. LL = lower limit. UL = upper limit.
172 P\$ = 價格。LL = 較低的限額。UL = 上限。
173 NAME AT ACTIVITY
173名稱在.....ACTIVITY
174 O T H E R (A C T I V I T I E S)
174 O T H E R (活動)
175 ACTIVITY :
175 活動：
176 VL = volume. P\$ = price. I\$ = internal cost
176 VL = 卷。P\$ = 價格。我 \$ = 內部成本
177 C O N S T R A I N T S (R O W S)
177 一我 N C O N S T R T S (行)
178 D\$ = dual price. RHS = right-hand-side.
178 D\$ = 雙重價格。實 = 右右手邊。
179 NAME ACTIVITY
179NAMEACTIVITY
180 The Solution is FOUND to be INFEASIBLE!
180 該解決方案被發現不可行！

181 Copyright 1983-13 WhatsOptimal by Seeana Systems
181 由 Seeana 系統版權 1983年-13 WhatsOptimal
182 This DEMO VERSION is limited ONLY to the| supplied samples at current sizes!
182 此展示版本是僅限於 the|在當前大小的提供的樣品 !
183 Application examples NOT found,| please ReInstall WhatsOP!
183 找不到，應用實例 |請重新安裝 WhatsOP!
184 Please enter PlanDataNo
184 請輸入 PlanDataNo
185 Please enter Valid PlanDataNo
185 請輸入有效的 PlanDataNo
186 Please enter Valid PlanDataNo| and MaxRecNo(>100)
186 請輸入有效的 PlanDataNo|和 MaxRecNo(>100)
187 Please enter Valid PlanDataNo| and ScenarioNo
187 請輸入有效的 PlanDataNo|和 ScenarioNo
188 Please enter valid values| as per Manual
188 請輸入有效的 values|作為每手冊
189 DELETE Plan: + from the Database?
189 刪除計畫： + 從資料庫嗎？
190 Plan: + was DELETED| from the Database?
190 計畫： + 是 DELETED|從資料庫嗎？
191 Do you want to initialize | Database + ?
191 您要初始化 |資料庫 + 嗎？
192 WhatsOP system was not properly installed| missing some files, please ReInstall WhatsOP!
192 WhatsOP 系統未正確 installed|缺少某些檔，請重新安裝 WhatsOP !
193 PlanDATA input files MUST follow| strict file naming rules!
193 PlanDATA 的輸入的檔必須 follow|嚴格檔命名規則 !
194 Database file + |NOT found!
194 資料庫檔案 + |找不到 !
195 Database file + NOT VALID!|WhatsOptimal will Terminate
195 資料庫檔案 + 不有效 ! |WhatsOptimal 將終止
196 blank
196 空白
197 blank
197 空白
198 Setup Global Optimization Constants?
198 設置全域優化常量嗎？
199 Setup Plan: + Optimization Constants?
199 安裝程式計畫： + 優化常量嗎？
200 WhatsOptimal will Terminate to RESET!|Please ReStart WhatsOP!
200 WhatsOptimal 將終止重置到 ! |請重新開機 WhatsOP!
201 DUMPfile: + exists| Overwrite?
201 轉儲檔: + exists|是否覆蓋嗎？
202 Database: + NOT found,| procedure aborted
202 資料庫: + 不是找到了， |程式中止
203 DUMPfile : + |NOT found
203 轉儲檔: + |找不到
204 RESTORE from a DUMPfile? |+

204 從轉儲檔案還原嗎？ | +
205 Database: + NOT initialized, abort!
205 資料庫: + 未初始化，中止！
206 Database: + | was INITIALIZED
206 資料庫: + |初始化
207 NO SOLUTIONfile to be saved!
207 要保存不 SOLUTIONfile!
208 Database DUMPfile for PLAN: +
208 資料庫轉儲檔的計畫： +
209 Wrong DUMPfile for this PLAN: +
209 為此計畫錯轉儲檔： +
210 SOLUTION for + | was SAVED in the Database
210 為解決方案 + |保存在資料庫中
211 DUMPfile: + | was RESTORED in the Database
211 轉儲檔: + |在資料庫被恢復
212 <abort> ERROR(internal EQUATION is malformed),| please verify data
212 <abort>錯誤（內部方程是格式不正確的），|請驗證資料
213 <abort> ERROR(internal DATABASE is malformed),| please verify data
213 <abort>錯誤（內部資料庫的格式不正確的），|請驗證資料
214 Scenario + |IS NOT in the Database
214 方案 + 正在不在資料庫中
215 TemplateFile + |NOT found!
215 TemplateFile + |找不到！
216 <abort> DATABASE FULL| Increase MAXRecord and re-initialize Database
216 <abort>資料庫 FULL|增加 MAXRecord 和重新初始化資料庫
217 Database: + is CORRUPTED,| please re-initialize Database!
217 資料庫： + 已損壞，|請重新初始化資料庫！
218 Optimization Completed | for
218 優化完成 |為
219 The Solution is FOUND to be INFEASIBLE!
219 該解決方案被發現不可行！
220 PlanData File + NOT found!
220 PlanData 檔 + 找不到！
221 <abort> ERROR detected in DATA,| please correct data
221 <abort>在資料中，檢測到錯誤 |請正確的資料
222 <abort> PROBLEM too LARGE| Increase MAXRecord and re-initialize Database
222 <abort>問題太 LARGE|增加 MAXRecord 和重新初始化資料庫
223 MULTIPLE Objective Functions DETECTED,| Please Select.
223 檢測到多個目標函數 |請選擇。
224 <abort> PROBLEM too LARGE,| space for NUMBERS overflowed
224 問題太大，<abort>| 數位溢出的空間
225 <abort> PROBLEM too LARGE,| space for MATRIX overflowed
225 問題太大，<abort>| 矩陣溢出的空間
226 <abort> ERROR (internal EQUATION is malformed),| please verify data
226 <abort>錯誤（內部方程是格式不正確的），|請驗證資料
227 <abort> ERROR detected in DATA,| please correct data
227 <abort>在資料中，檢測到錯誤 |請正確的資料

228 <abort> ERROR, Equation SETUP,| master PLAN not yet OPTIMIZED
228 <abort>錯誤，方程安裝 | 總計劃尚未進行了優化
229 MathListOnly
229 MathListOnly
230 Report00 on Selected PlanDATA
230 關於選定 PlanDATA Report00
231 Click on an Application
231 按一下應用程式
232 PlanDATA
232 PlanDATA
233 Description
233 說明
234 Location (Path)
234 位置 (路徑)
235 Creation of Planning Model Creation of report Templates
235 建立的規劃模型創建的報告範本
236 Processing Plan Data to create Matrix
236 處理計畫資料，以創建矩陣
237 Process Optimize
237 工藝的優化
238 Perform Analysis
238 執行分析
239 OPTIMIZATION
239 優化
240 Report Writer
240 報告作者
241 Report Display
241 報告顯示
242 Save Solution
242 保存解決方案
243 Save Solution in Database
243 在資料庫中保存的解決方案
244 Edit Template
244 編輯範本
245 Edit PlanDATA
245 編輯 PlanDATA
246 AutoSave
246 自動儲存
247 Manual
247 手動
248 BackUP DBS
248 備份星展銀行
249 Restore DBS
249 還原星展銀行
250 Initialize DBS
250 初始化星展銀行
251 Delete a Scenario
251 刪除方案

252 Run Report00 after Save
252 運行的 Report00 後保存
253 Database Maintenance(DBS)
253 資料庫 Maintenance(DBS)
254 Sample Apps
254 應用程式範例
255 Setup Environment
255 安裝環境
256 Value to Ignore in Reports
256 要忽略在報告中的值
257 Optimization Method
257 優化方法
258 Maximise or Minimise
258 最大化或最小化
259 Objective Function
259 目標函數
260 Iterations between Trace
260 反覆運算之間跟蹤
261 Optimization Trace Control
261 優化跟蹤控制
262 Current Objective Function Value
262 當前目標函數值
263 Current NonZero Primal and Dual Variables
263 當前的非零原始問題和對偶變數
264 Current Variables in Basis Table
264 在基礎資料表中的當前變數
265 Okay
265 好吧
266 Cancel
266 取消
267 Update
267 更新
268 Default
268 預設
269 Close
269 關閉
270 Please Select Objective Function
270 請選擇目標函數