Message Table	(Start must be A3)
Key	**Notes**

Multiple SDetective Menus

Dir Files *~.xls

Dir Files *~-SD.Xls

Dir Saving As Rename
Dir Saving As
No Year 2000 Unregistered
Randomize not reversible
Rand Cell
Locking Cells

No Compare Unregistered	
Could not open	2Err3Error()
?Error	Cell.Formula
> 253 Chars	Cell.Formula
Moving Big Formula	
XL97 Dot Opt Failed	
Range Compare	

Sheet Compare

Workbook Compare

Only One Cell

Range Compared

Over 200 Differences
Nr Different Cells
Compared on
Different Cells:
No Annotes Unregistered

No Precedent Unregistered	
Only One Area	
No Excel 5	
(Re)Shade Sheet(s)	TBB Name

Shade Selection
UnShade Sheet(s)   TBB Name
UnShade Selection
(Re)Annotate Sheet(s)   TBB Name
Annote Selection
UnAnnotate Sheet(s)   TBB Name
Unannote Selection
Describe 1 Cell   TBB Name
Describe One Cell
Report Sheet(s)   TBB Name
Do Report
Report One Cell's Precedent TBB Name
Precedent Report
(Re)Compare Sheet(s)   TBB Name
Compare Sheet
UnCompare Sheet(s)   TBB Name
UnCompare Sheet
Same Book Compare

Saved and Closed

Not Copied Not Left

Must Copy Same Sheet

Options   TBB Name
Detective Options
No Licence Unregistered

Lic Expires   Splash Field
No sunset date   Splash Field
Invalid Licence
Expired Licence

< 14 Days
ProtoDeled
?Protected Sheet
?Protected Workbook
Attempting URL
Browser Failed
Please Open URL
Open .Ini Failed
Ini Update Failed

Site Licence Note

Single Licence Note

Personal Licence Note
Small Company Note

Bad Workbook

English

There is more than one SDetective Menu.
This suggests that the Spreadsheet Detective has been loaded twice.
Restart Excel or see [DetectEG.xls]!Installation.

The original files will be copied to '*~.xls', and then annotated.
Any Reports are written to '*-SDR.xls'.

These files will be annotated and then saved as '*-SD.xls'. Do not edit '*-SD.xls' files because your changes will be lost next time this is run. Any Reports are written to '*-SDR.xls'

Saving as |1 (Before renaming it)

Saving as |1

Year 2000 processing is unavailable in the Unregistered Version

About to randomize sheet |1. This is NOT reversible.

Randomizing cell: |1

About to cause just cells with formulas to be Locked in sheet |1. Lock the worksheet+C8with Tools/Protect to have locks take effect (Usually without a password)

The Compare Sheets feature is unavailable in the Unregistered version

Could not open |1 (|2: |3)

"Error |1"

" (Usually a formula > 253 chars)"

Moving big Formula (|1, |2)

XL97 Dot optimization failed in MakeADot

Range Compare: Select the RANGE of cells in the old worksheet to compare with the range that you have just selected

Sheet Compare: Select an arbitrary *CELL* (not just the sheet) in the old worksheet to compare with the worksheet that you have just selected

Workbook Compare: Select an arbitrary *CELL* (not just the sheet) in the old workBOOK that contains the worksheets that you wish to compare with the worksheets that you had just selected before invoking this command

You need to select the range of more than one cell in the old workbook to do a range comparison. Select only one cell in the new worksheet for a worksheet comparison.

Range |1
was compared with |2

Over 200 differences were found and so the comparison was aborted

|1 cells were found that had different formulas

Compared on |1

Different Cells:

Full Annotations are unavailable in the Unregistered version.
The separate Report is available.

The Precedent Report is unavailable in the Unregistered version

Only one Area can be selected

Excel version 5 (16 bit) should work but is no longer supported due to lack of demand

(Re)Shade Sheet(s)

(Re)Shades the selected worksheet(s), or range

UnShade Sheet(s)

Removes the shading from the selected worksheet(s)

(Re)Annotate Sheet(s)

(Re)Annotates the selected worksheet(s), or range

UnAnnotate Sheet(s)

Removes the Annotations from the selected worksheet(s)

Describe One Cell

Quickly Annotates the active cell

Report Sheet(s)

Produces separate report sheets for the selected worksheet(s), or range

Report One Cell's Precedents

Report on all the cells referenced by the active cell's formula

(Re)Compare Sheet(s)

Compares the selected worksheets, workbooks, or ranges

UnCompare Sheet(s)

Removes the comparison annotations

You have attempted to do a Workbook compare on the same Workbook, select a cell in the Other Workbook (but you can compare two individual sheets within the same book)

The Old workbook will now be saved, then correlated, and then closed without saving unless the option to not close the correlated workbook was chosen.

You have chosen not to copy the correlated workbook which is the same as the new one, but then to close it without seeing the result of the comparison. See the documentation.

You must copy the old workbook to do a range comparison on the same worksheet because otherwise the correlation would corrupt the comparison

Options

Enables Spreadsheet Detective options to be changed

You cannot licence the Unregistered version.
Ask your distributor for a Registered version.

Expires: |1

No sunset date

Invalid Authorization Key, please contact your distributor

Sorry, your licence had expired on |1.
Please feel free to contact your distributor for a new key.

Warning, less than fourteen days until this licence expires on |1

? Prototype |1 has been deleted

Sheet |1 is protected and so cannot be (un)annotated

The Workbook is protected and so cannot be (un)annotated

The Detective will now attempt to open URL |1 in your web browser

Could not operate your browser, please manally open URL |1

In your web browser, please open URL |1

Could not read/open |1, |2: |3

Could not update |1, |2: |3

Site licences are issued on the basis that the total number of substantial Excel users within a site is fairly listed above.

Single User licences may only transferred due to long term changes in the nature of a position.

The cost of a Personal licence may not be reimbursed by an employer.

We are a small company that relies on licence fees, thank you for registering your licence.

The Spreadsheet Detective cannot process this workbook, probably none open (|1: |2)

	A	B	C	D	E	F	G	H	I	J
1										

The Spreadshee Detective

2 Prototypes

3 Each time the *Spreadsheet Detective* is run, it tries to find a workbook that contains a worksheet named "DetectivePrototypes" such as this one. If it does, it then uses the

4 following drawing objects as prototypes for the annotations. If properties of these objects such as colour, font or shape (where relevant) are changed, the annotations will reflect these new properties the next time FormScheme is used.

5 Invoking the "Update Prototypes" button causes a new workbook to be created or found that contains a worksheet called "DetectivePrototypes". If you want to save these prototypes between invocations, then just load this workbook and then run the *Spreadsheet Detective* in the normal way.

6 Note that these objects are located by their names, so do not delete or copy them.
Print margins, gridlines etc for annotated sheets are also defaulted from this worksheet.

7

8 Basic

9

10
= A1~Formula + 1

If you have a lot of red/pink shaded cells in your models, you might like to set the fill colour of the red dot and red square to dark brown.

Same as previous worksheet

Unprotected Same

= Unprotected Formula

11
~Name⇒Range   `AutoName⇒Range   ~Name   Chart Series Annotation

`AutoName

12
Dubious References   Circular Refs   ⇓A123⇓

Can't Process (Three Dim)   Date Function

13 Trailers

14
Statistics Table

List of Dubious Cells

Link Abbreviation Table

Link Abbreviation

Full Link Text

Proto Map

Map Table
ABCDEFGH
"S<<<...

15
Big Formulas Table

OLE link Table

OLE link Table

OLE Full Link Text

16

17 Single Cell   One Cell

18 Shading

	A	B	C	D	E	F	G	H	I	J
19		New Schema	Copied Formula		Colours should work on VGA, Printers and Pasive LCD. ColorIndex 8 Turquoise (1,8) in XL95 is the default. Index 4 Bright Green (1,4) in XL95 also works but makes XRef lines hard to see. Vsn 3.1 used Index 20 Unnamed (3,4) in XL95, (6,4) in XL97 which is paler and works better but prints blury and is white on VGA!					
		Copied Formula	Skiped Formula							
20		New Schema Alt	Copied Formula Alt		These are the Alternative Colours if the existing shading is too like the main colours.					
		Copied Formula Alt	Skiped Formula Alt							

Separate Report

22	Label Name Rep	`AutoName Rep	Dubious References Rep		Can't Process (Three Dim) Rep
		~Name Rep	Circular Refs Rep		# Date Function

(The Range, AutoName Label and Orig Formula are derived from the properties of fsReportProto sheet.)

Comparison

24	⟨— — — —⟩		. . . .
	Δ ε		(Min height for Delta 13.5, 15.75 for Epsilon)

Toolbar Faces

(Just for reference. There are some alternatives. Remove Borders.)

Statistics for this sheet:-
Size: 24 Rows by 10 Columns
Nr Formulas: 1
Nr Schemas: 1 * Average nr symbols per Schema: 4.0 = Total Complexity: 4
Annotated on 16-Oct-97 19:34

The *Spreadsheet Detective* Formula Report

Double click on a row to go to the corresponding cell, press F5 to return to this worksheet

Range   **Label**   **Formula/Defined Range Name**

The *Spreadsheet Detective* Formula Report

The *Spreadsheet Detective* Precedent Report

Double click on a row to go to the corresponding cell, press F5 to return to this worksheet

Cell	Label	Formula	Depth

Referencing Name	Precedent Name	Full Referencing Path	Full Precedent Path

The Spreadsheet Detective

Abridged Legend

Full documentation can be found in DetectEg.xls, via the SDetective | Open Documentation Menu

Shaded Sheet:-

	C	D	E	F	G	H
10		Qtr 1	Qtr 2	Qtr 3	Qtr 4	Total
11	Sales	123	124	139	145	408
12	CoGS	98	99	111	102	286
13	Profit	25	25	32	44	100

This speckled shading is like the cross hashed shading in D13 except that it also indicates that the formula in F13 is the same as some other cell in the same row or column (H11).

The cross hashed shading shows that cell D13 contains a new formula, namely "= D11 - D12".

The horizontal stripes indicates that cell E13 has an equivalent formula to D13, ie. "= E11 - D12". (or range if multi-cell array formula.)

The lack of shading indicates that there is also no formula in cell F13, just an input number. This causes the Total to be **wrong**.

The cross hashed shading highlights the fact that the calculation of the CoGS in Qtr4 is **inconsistent.** (It decreased from 80% to 70%.)

Annotated Sheet:-

(This is not available in the shareware version, but similar functionality is available in the Report.)

Cell D32 contains the formula "= D31 * 80%". The *AutoName* "`Sales" has been added to make it easy to verify the cryptic A1 reference.

The red dot indicates that cell E32 has an equivalent formula to D32, ie. "= E31 * 80%". (Or range if multi-cell array formula. All the solid dots can be suppressed.)

The open circle indicates that there is also no formula in cell F33. This is why the Total Gross Profit is **wrong**. (The circles are never suppressed.)

This open circle also makes it clear that only H31 and not G31 contains the Sum formula.

	C	D	E	F	G	H
30		Qtr 1	Qtr 2	Qtr 3	Qtr 4	Total
31	Sales	123	124	139	145	408
32	CoGS	98	99	111	102	286
33	Profit	25	25	32	44	100

= SUM(E31:G31#ℜ)

= D31`Sales# * 80%

= G31`Sales# * 70%

= D31`Sales# - Income

~Income⇒H32

"~Income⇒ H32" shows that the Excel Named Range "Income" has been incorrectly defined as "D32:H32". This makes the formula in D33 very misleading. It is very difficult to find Name errors without these annotations.

The "ℜ" line indicates the range being summed by the schema in H31, which makes it easy to see that D31 has been accidentally omitted from the total. (The formula in H33 sums the corresponding range, ie. SUM(E33:G33).)

The "#" indicates that the range E31:G31 contains input values. These are particularly useful for inter-sheet references.

If model correctness is important then there is no alternative to carefully reviewing each unique formula within each model. However, good tools can substantially reduce the time this requires and can highlight errors that might otherwise be overlooked. Undetected formula errors are serious because they lead to flawed strategic decisions.