Fuji Electric
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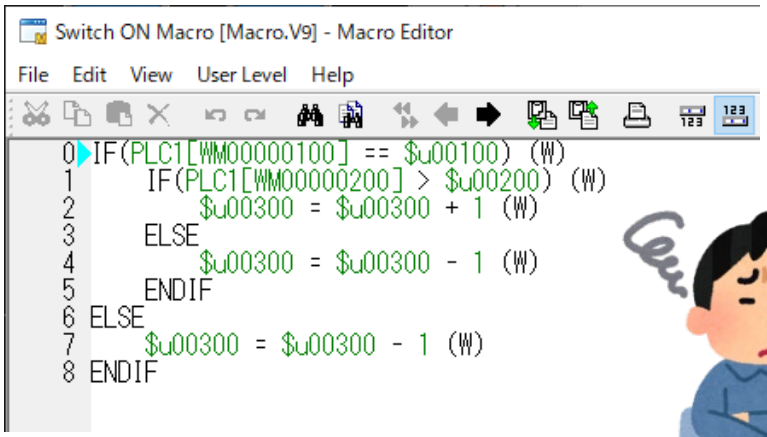
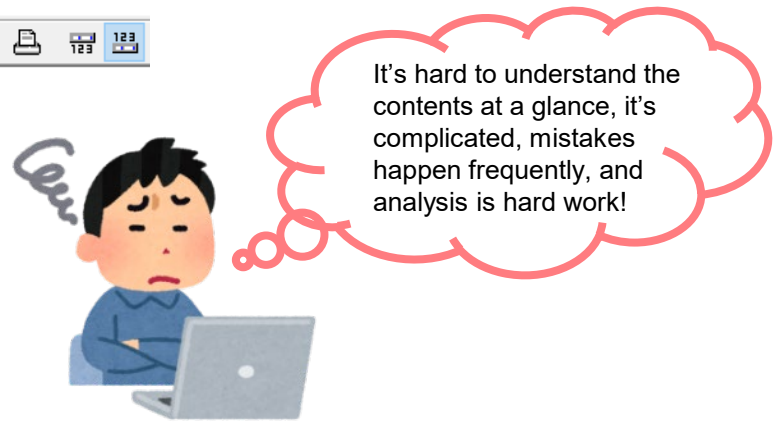
<Especially for Macro Command Users!>
Simplify Macro Programs by Using IF(MULTI) and SELECT_CASE Commands Capable of Specifying Multiple Conditions!

* Supported by V-SFT version 6.1.1.0 and later

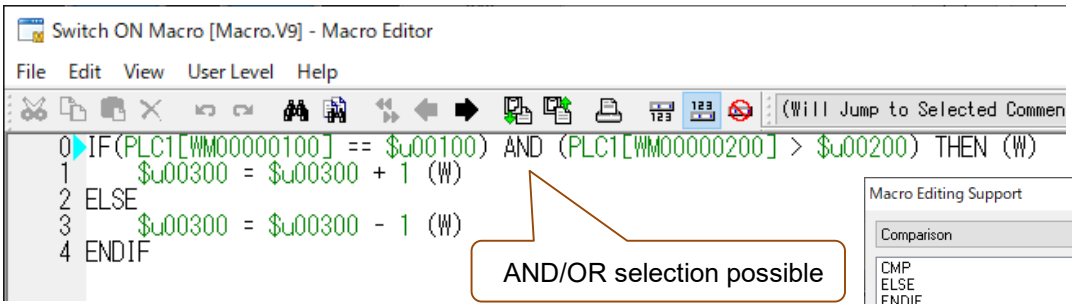
IF(MULTI): Recommended when changing operations based on two conditions

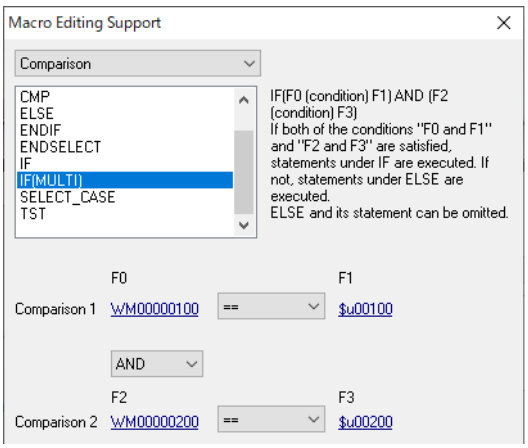
Before Macro programs were created using a complex combination of IF commands.





After By using the IF(MULTI) command, the program is **shortened from 9 lines to 5 lines**!





The program is simplified and **easy to understand visually!**
Analysis is easy too!
No more worries when system modification becomes necessary!

SELECT_CASE: Recommended when changing operations based on device memory values

Before Macro programs were created using a complex combination of IF commands.

Example: When there are four conditions for a value

Switch ON Macro [Macro.V9] - Macro Editor

File Edit View User Level Help

```
 0 IF(PLC1[WM00000100] == $u00100) (W)
 1     $u00500 = $u00500 + 1 (W)
 2 ELSE
 3     IF(PLC1[WM00000100] == $u00200) (W)
 4         $u00501 = $u00501 + 1 (W)
 5     ELSE
 6         IF(PLC1[WM00000100] == $u00300) (W)
 7             $u00502 = $u00502 + 1 (W)
 8         ELSE
 9             IF(PLC1[WM00000100] == $u00400) (W)
10                 $u00503 = $u00503 + 1 (W)
11             ELSE
12                 $u00500 = 0 C:4(FILL)
13             ENDIF
14         ENDIF
15     ENDIF
16 ENDIF
```

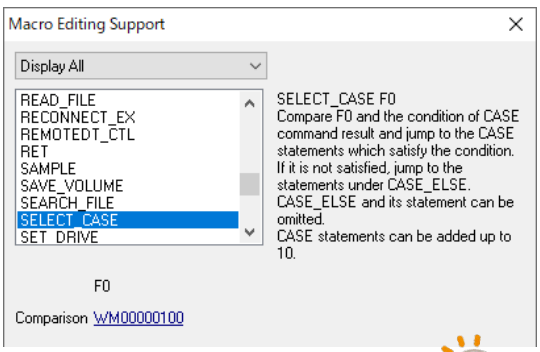
Analysis is hard work...
I want prevent mistakes!
There are so many ENDIF statements!

After By using the SELECT_CASE command, the program is **shortened from 17 lines to 12 lines**!

Switch ON Macro [Macro.V9] - Macro Editor

File Edit View User Level Help

```
 0 SELECT_CASE PLC1[WM00000100] (W)
 1     CASE == $u00100
 2     $u00500 = $u00500 + 1 (W)
 3     CASE == $u00200
 4     $u00501 = $u00501 + 1 (W)
 5     CASE == $u00300
 6     $u00502 = $u00502 + 1 (W)
 7     CASE == $u00400
 8     $u00503 = $u00503 + 1 (W)
 9 CASE_ELSE
10     $u00500 = 0 C:4(FILL)
11 ENDSELECT
```



The program is simplified and **easy to understand visually!**
It's very simple!
Other people can easily understand it too!

Improve work efficiency by simplifying your macro programs!
Analysis such as for system modifications is much easier!
→ That means you can save work time!

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