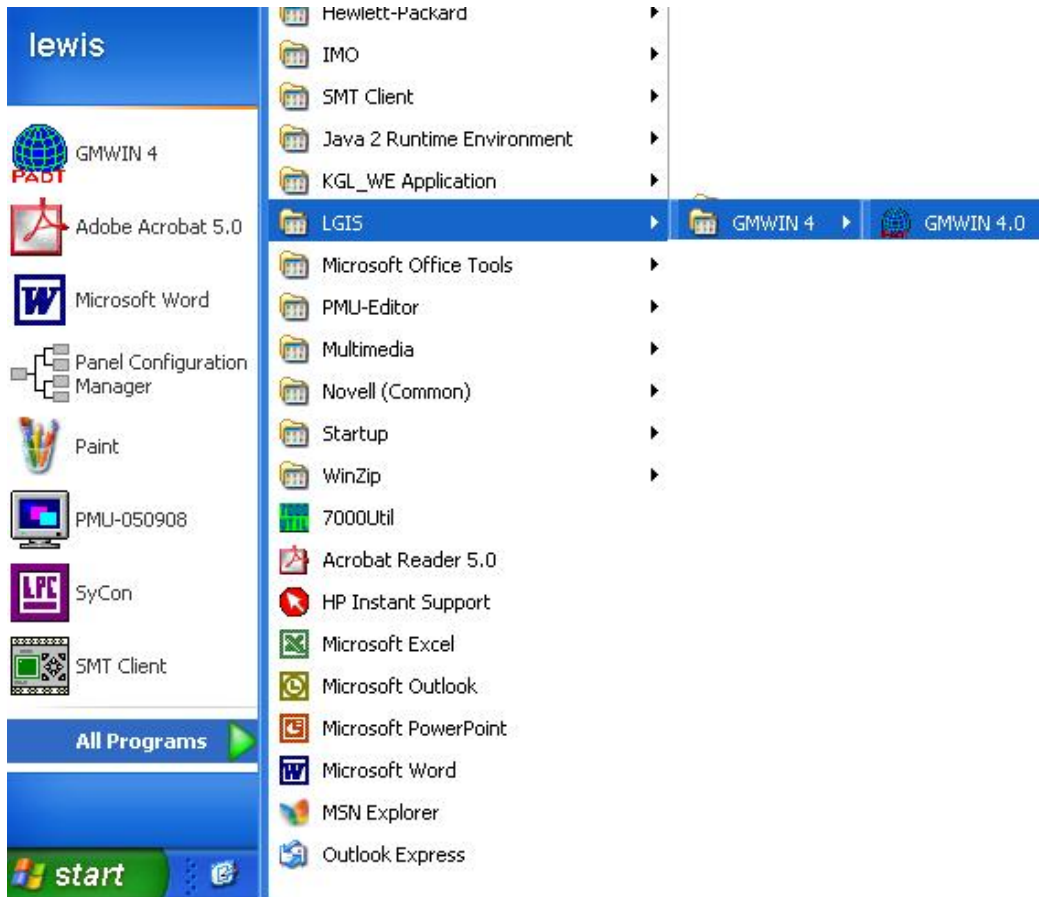


## GMWin Project

$\mu\mu$

GMWin.

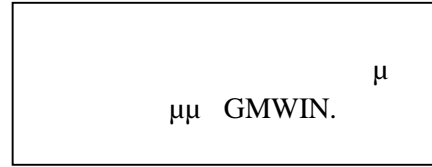


3

$\mu\mu$       GMWIN



4



μμ

GMWin μ

GMWIN

μμ  
μ

μ

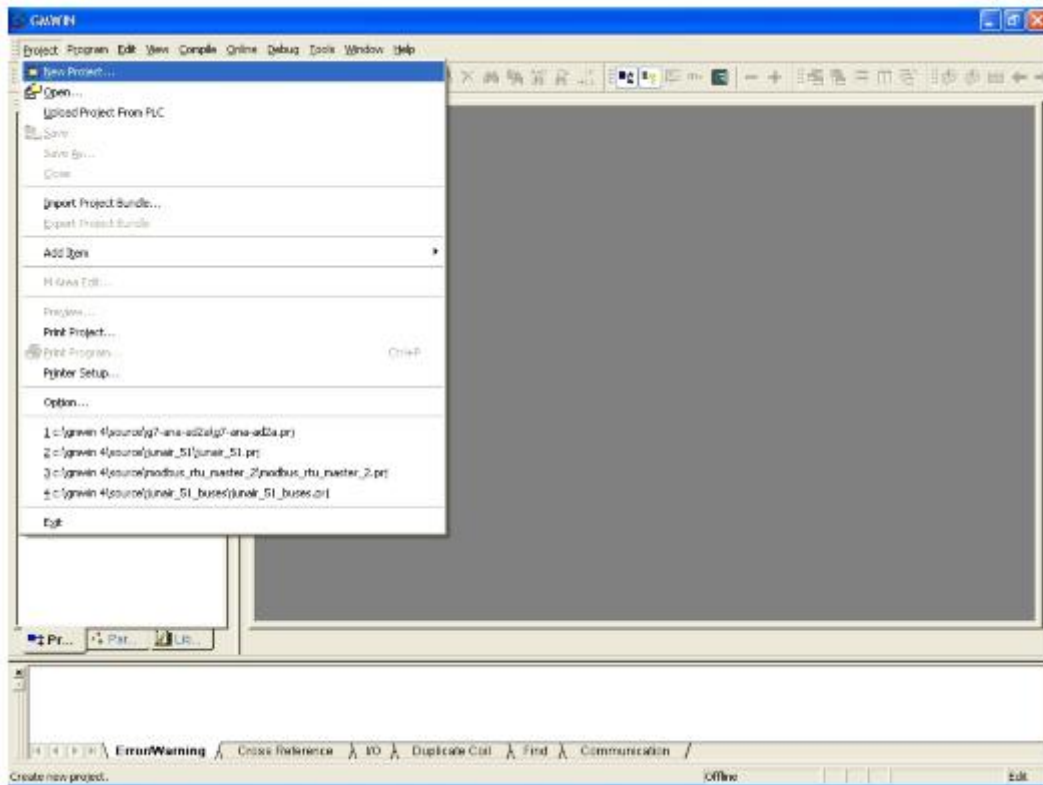
,

New project»  
μμ

μμ ,  
«Project»

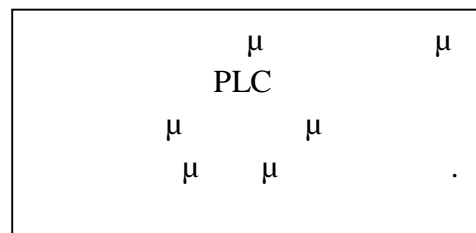
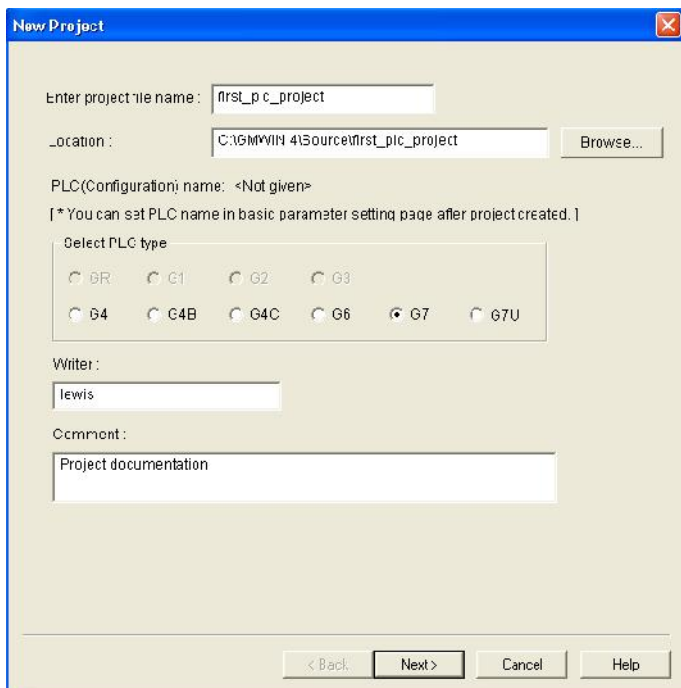
«

μ  
«New Project».

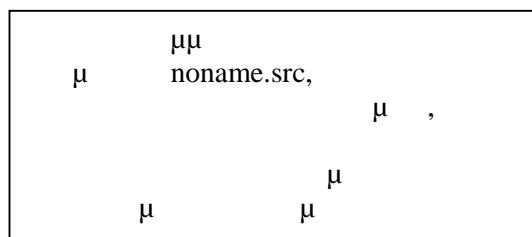
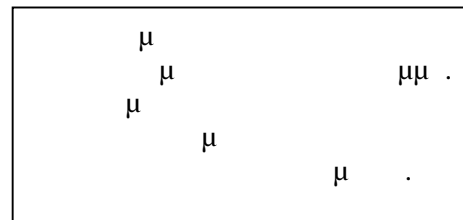
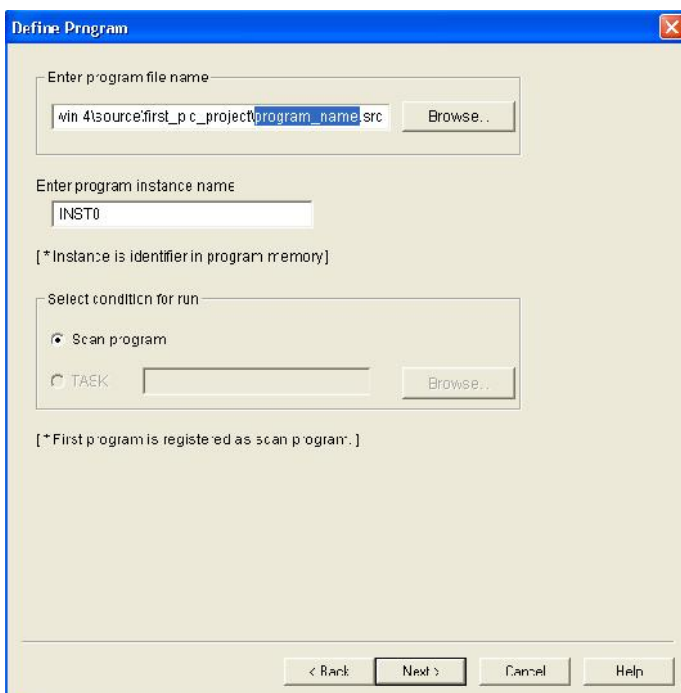


5

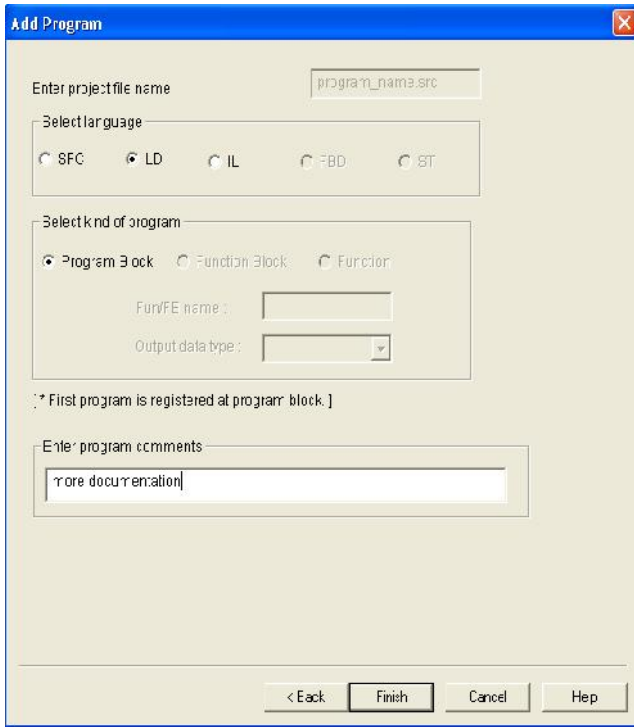
μ μ  
μμ



6 PLC



7 μ μμ



μ μ  
μ  
μ μ .  
LADDER. μ

SFC, LD IL  
μ

μ . μ μ

8

μ μ μ

[Finish]

μ

μ

μ μ μ .

μ

μ μ GMWin

To

μ μ μ  
μ μ μ

GMWin  
«windows»

μ μ  
μ

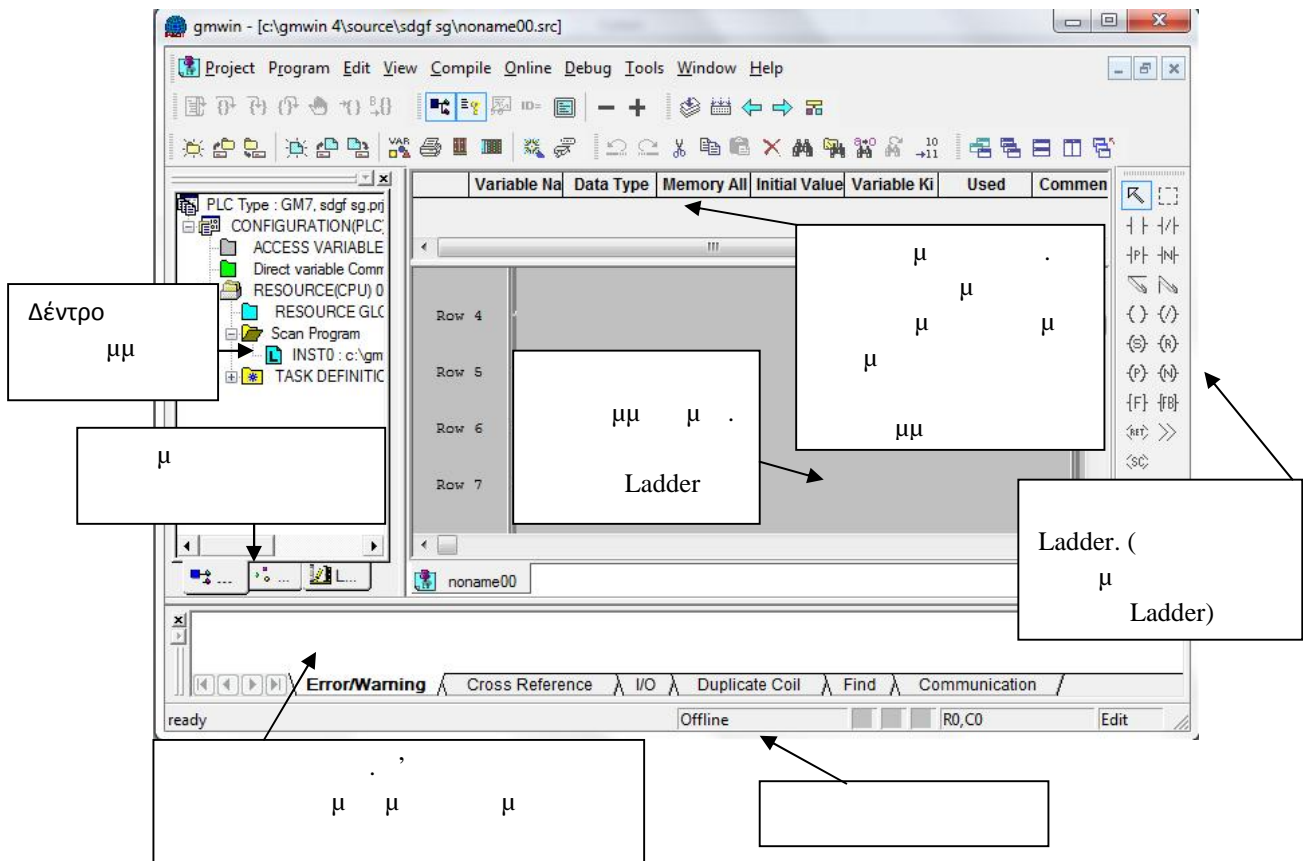
μ μ μ  
, μ μ

μ

μ

μ .

μ



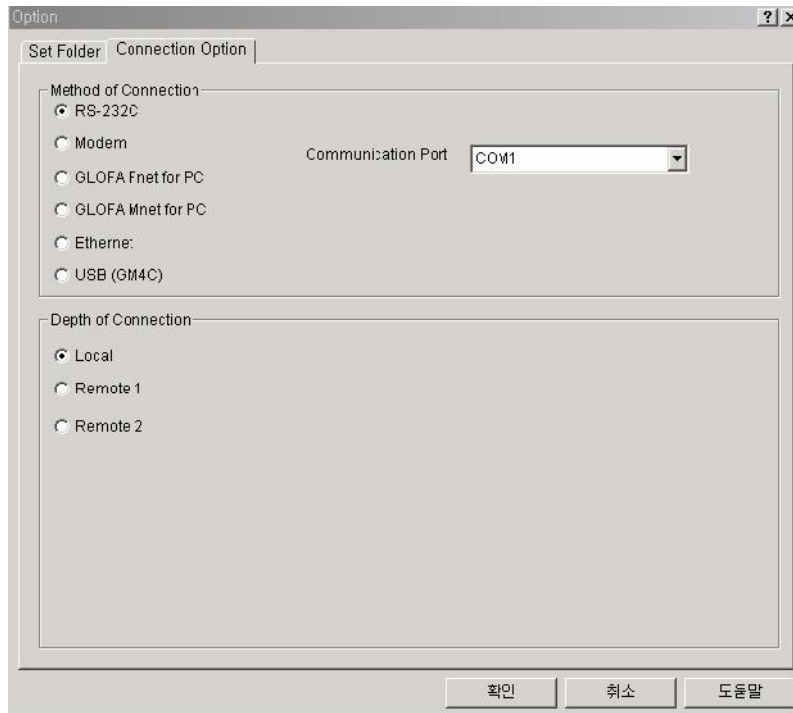
9

μ PLC  
 μ GMWIN μ PLC μ 2 -  
 μ 5 : μ RS-232C, μ modem,  
 μ (Ethernet), μ USB μ 3 :  
 μ 1 2.  
 μ [Project]-[Option].

μ

- 1) μ Project μ Option.  
 μ Connection Option.  
 : i) Number of retry: 1, ii) Method of Connection: RS-232C, iii) Communication port: COM1 COM2 ( μ μ μ ), iv) Depth of Connection: Local
- 2) μ PLC μ  
 PAU/REM (μ ).
- 3) μ Online μ Connect.
- 4) Online, μ PLC mode μ  
 RUN.
- 5) μ μ μ 'Would you like to change to the Run Mode' μ  
 Yes.





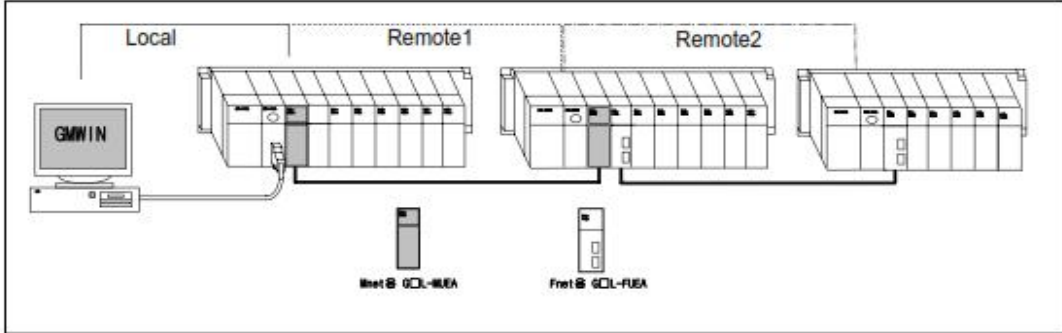
11

- μ 'RS-232C' μ .
- μ 'COM1~COM4' .
- μ 'Local' [OK].
- μ [Online]-[Connect], RS-232C
- μ PLC .

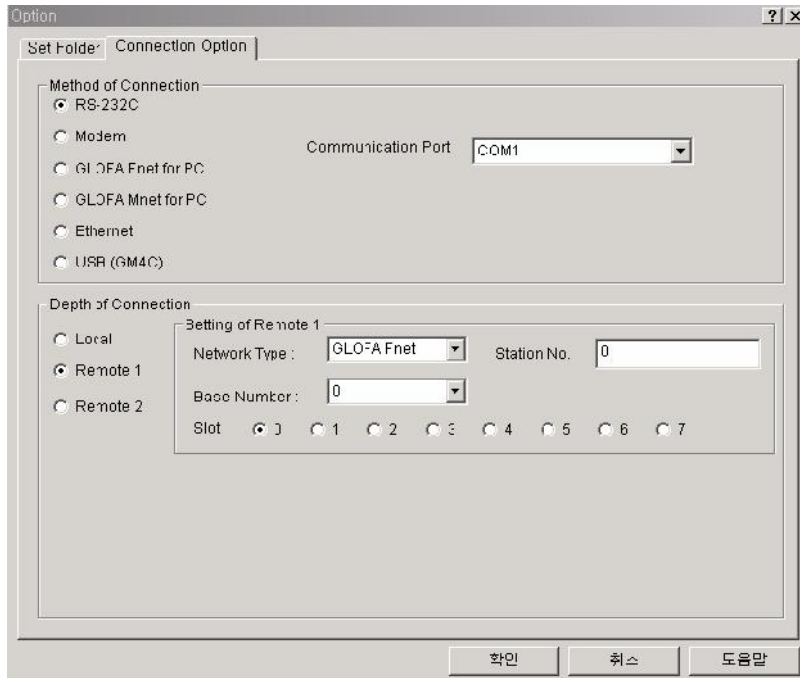
- |             |   |          |       |
|-------------|---|----------|-------|
| 1.          | μ | μ        | μ     |
| 2.          | μ | μμ .     | COM1  |
| GMWIN V4.0. |   | μ        | COM1, |
| 3.          |   | RS-232C, | μ     |



$\mu$  RS-232C  $\mu$  RS-232C  
 PLC  
 $\mu$   $\mu$   $\mu$   $\mu$  PLC

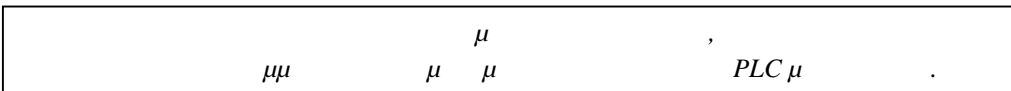


12

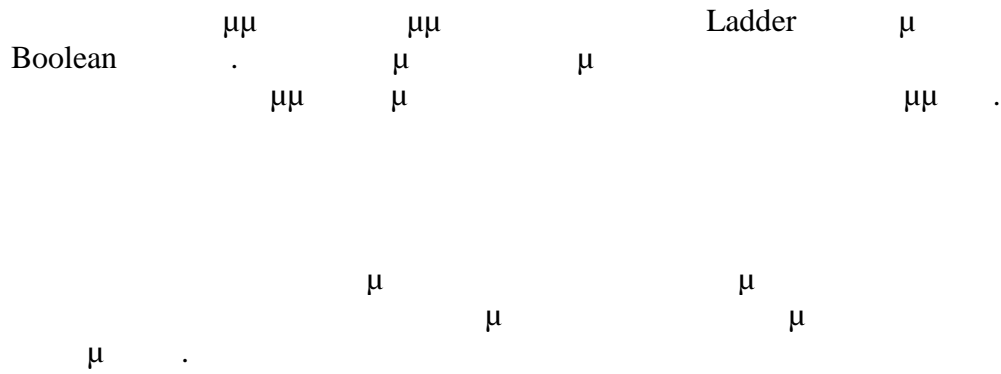


13

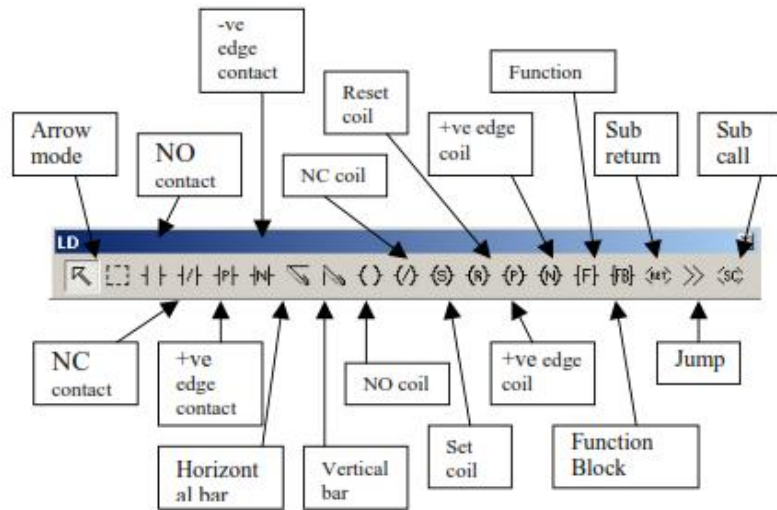
- RS-232C
- COM1~COM4
- Remote 1 and Remote 2
- $\mu$   $\mu$  ,  $\mu$   $\mu$   $\mu$
- $\mu$   $\mu$   $\mu$   $\mu$   $\mu$   $\mu$
- [OK].  $\mu$  [Online-Connection], PLC



# Ladder






-	F2
- /	F3
----	F4
	F5
-(-)	F6
-(/)	F7
-[FUN]-	F8
-[FB]-	F9
-[P]-	Shft+F1
-[N]-	Shft+F2
-(S)	Shft+F3
-(R)	Shft+F4
-(P)	Shft+F5
-(N)	Shft+F6
<RET>	Shft+F7
>>	Shft+F8
<SCAL>	Shft+F9
To Arrow Mode	Ctrl+A
To Block Mode	Ctrl+B



μ

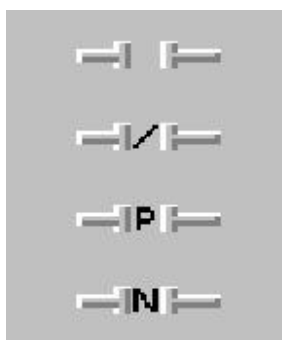
1

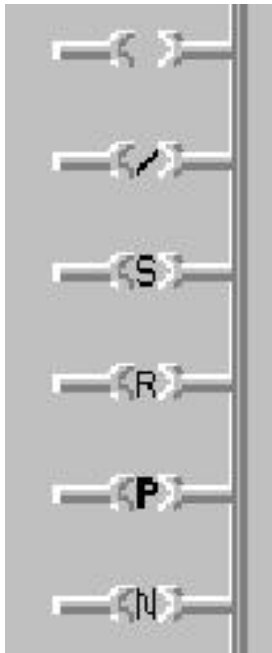
1



Σύμβολο	Κλειδί συντόμευσης	
	F2	
	F3	
	F4	μμ
	F5	μμ
	F6	
	F7	
	F8	
	F9	
	Shift+F1	
	Shift+F2	
	Shift+F3	
	Shift+F4	
	Shift+F5	
	Shift+F6	
	Shift+F7	
	Shift+F8	μμ
	Shift+F9	

μ



μ





$\mu$   $\mu$   $\mu\mu$  **Ladder**  
 $\mu$  OR  $\mu$   $\mu$  Ladder  $\mu$   $\mu$   $\mu$  AND  
 $\mu$  GMWin  $\mu$   $\mu$  Project.  
 $\mu$   $\mu$  (NO)  $\mu$   '0'  '1'  
 Ladder.



$\mu$   $\mu$  (NC)  $\mu$   '0'  '2'  
 Ladder.





**Add/Edit Variables**

Variable:

Variable Kind:

Data Type:
 

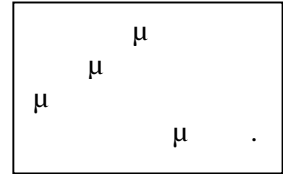
- Elementary:
- FB Instance:
- Array (0..  ) OF

Memory Allocation:
 

- Auto
- Assign(AT): %

Initial Value:

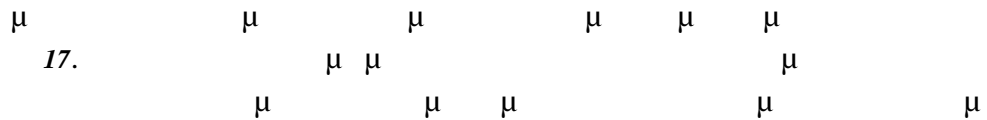
Comments:



16                    μ    μ

2                      μ    μ

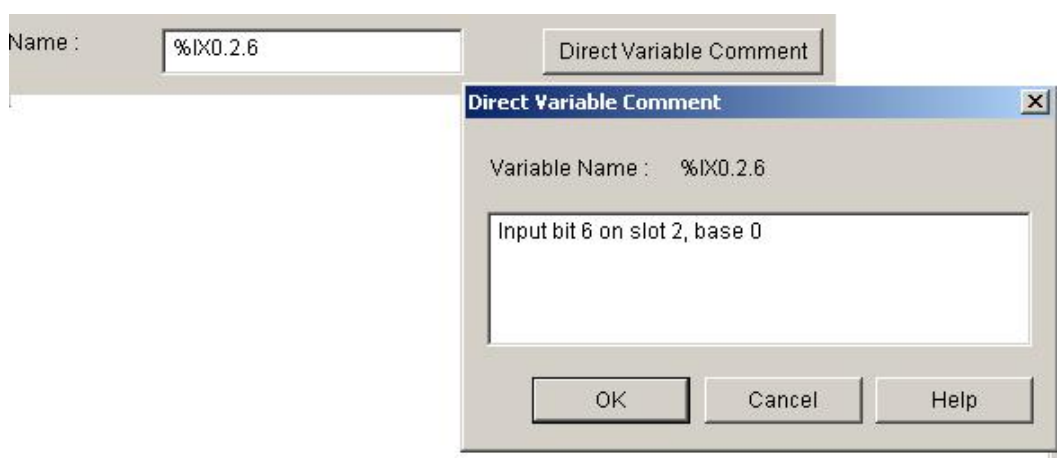
Name	Type	Address	Comment
Enable	BOOL	%IX0.0.0	1 <sup>st</sup> input to enable
Reset	BOOL	%IX0.0.1	2 <sup>nd</sup> input to reset
Motor	BOOL	%QX0.0.0	Motor on 1 <sup>st</sup> output



OK.



Ladder.  
 H  
 %  
 (X, B, W, D, L)  
 , M,  
 (I, Q, M),  
 (I, Q, M), bit

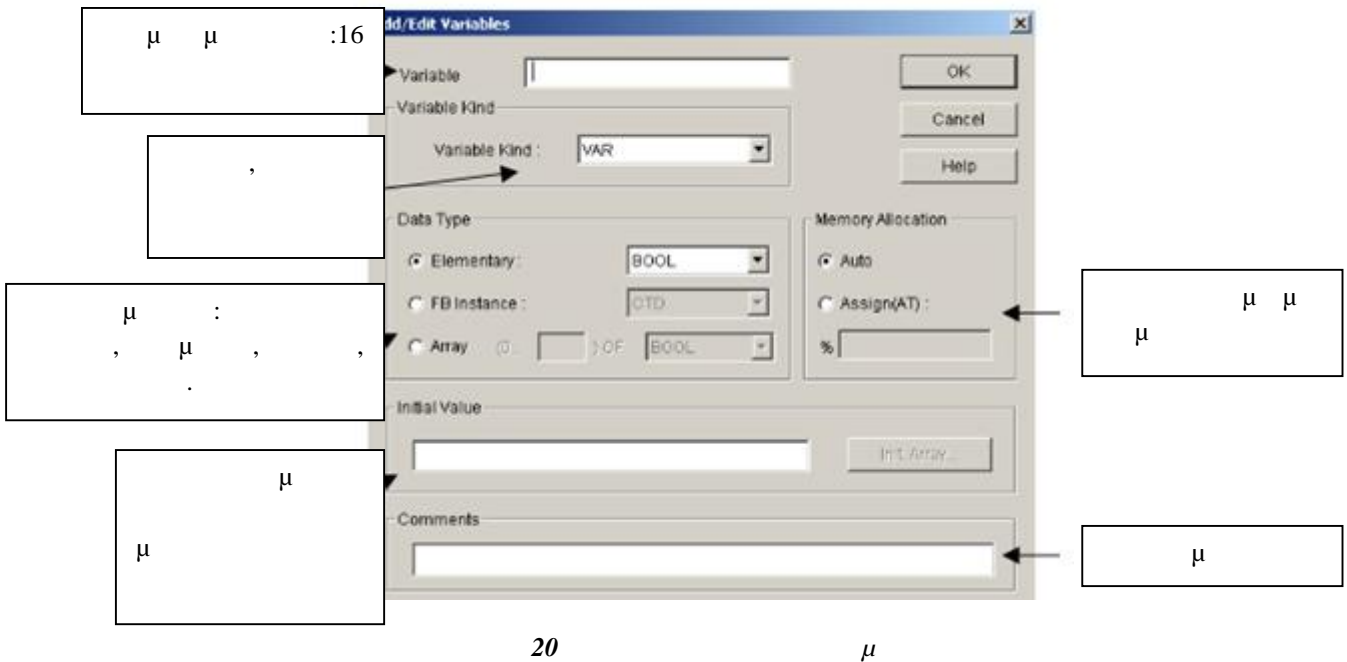


19

% I X 0 . 2 . 6 : Input, Bit size, Base 0, Slot 2, Bit 6.  
 % M W 32 . 7 : Memory, Word size, word 32, bit 7.

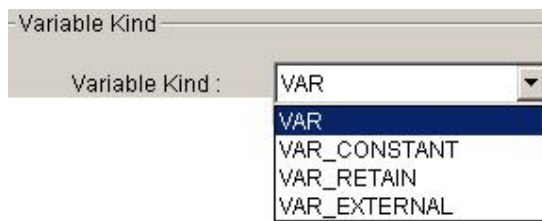
μ μ μ





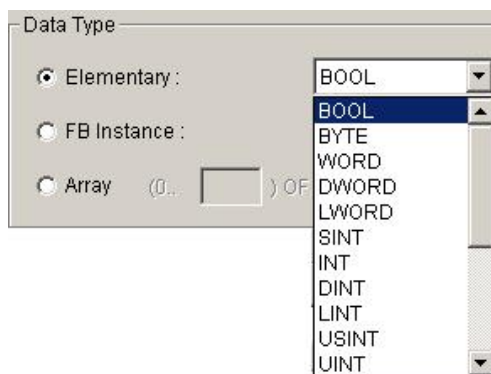
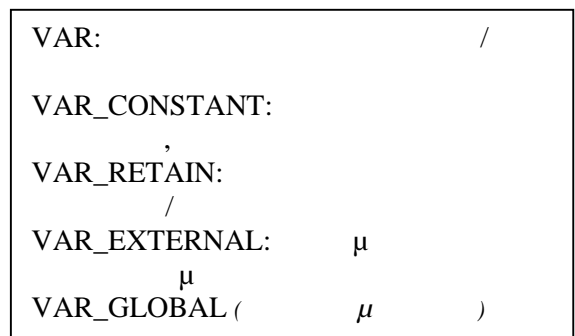
20

μ



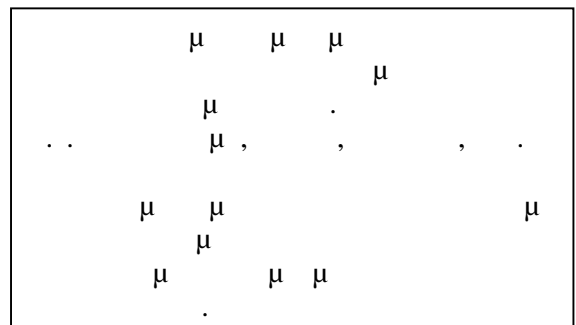
21

μ



22

μ

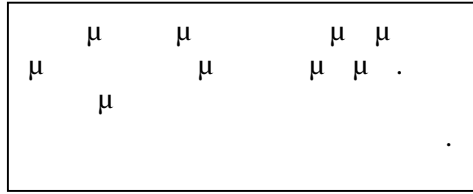


Memory Allocation

Auto

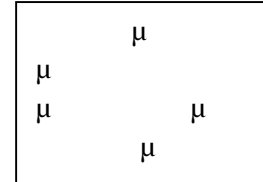
Assign(AT) :

%



23 μ μ

Initial Value



24 μ μ

Comments



25

μμ μ

### Ladder

μμ μ , μ

Ladder. μ  
μμ μ

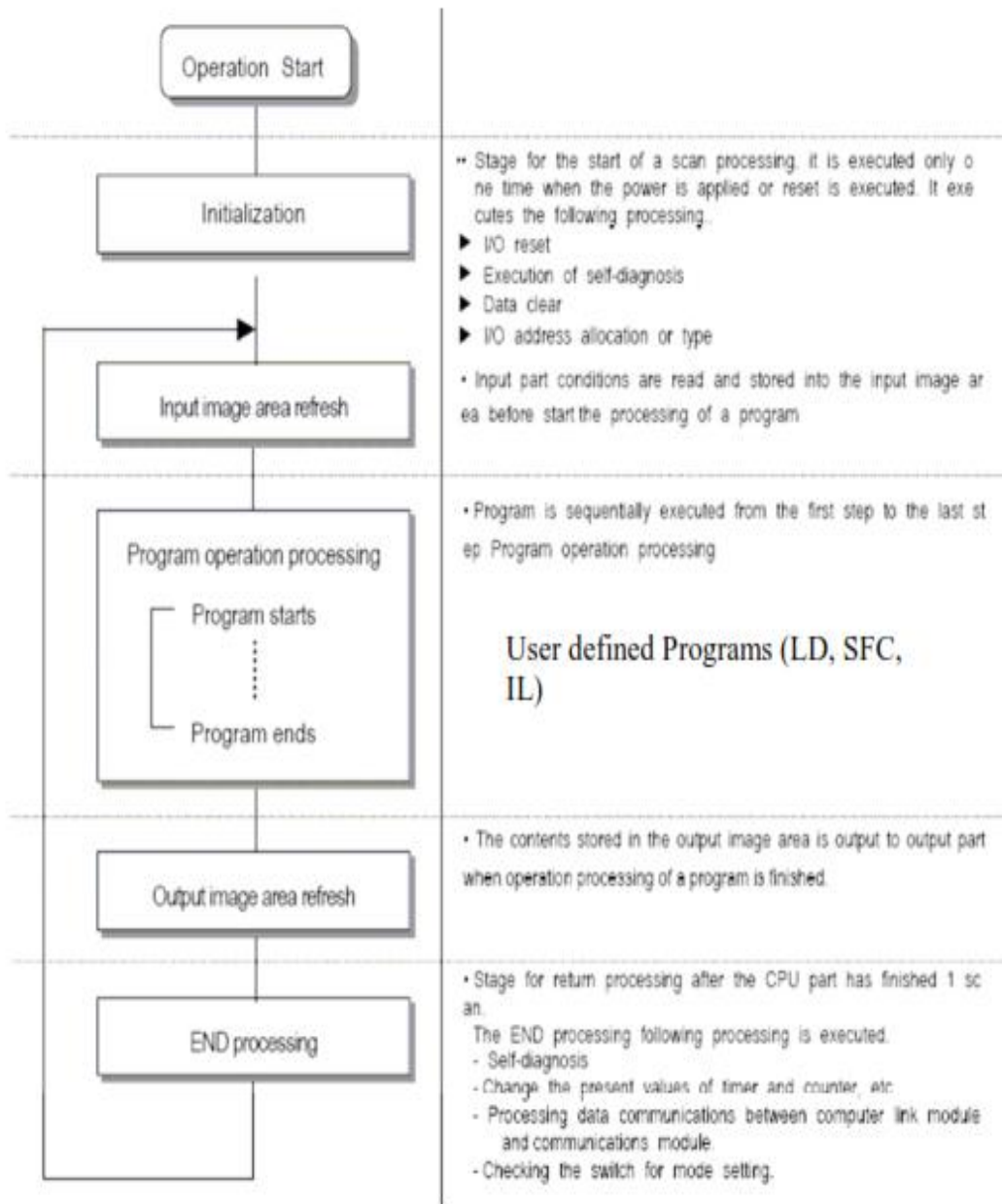
Ladder.

μ

PLC.

PLC.  
GMWin project :

1. μ , μ
2. .
3. μμ
4. μ μ ,
5. μ μ μ .



μ 26

μ

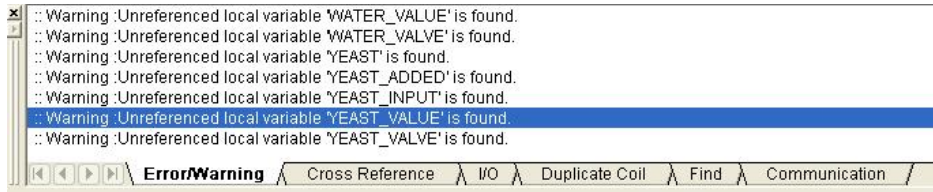
!

μμ

μ



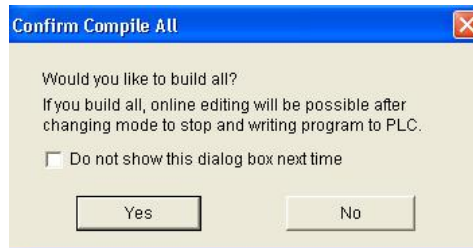
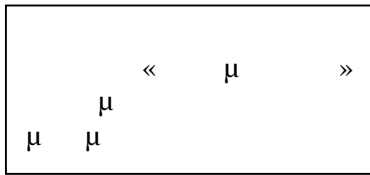




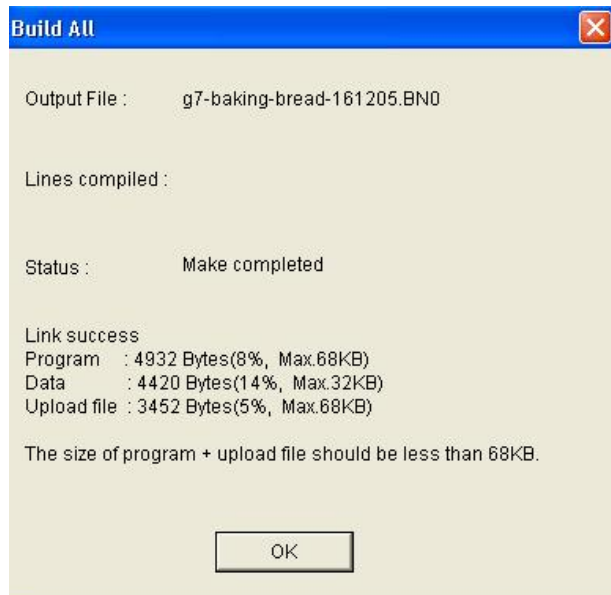
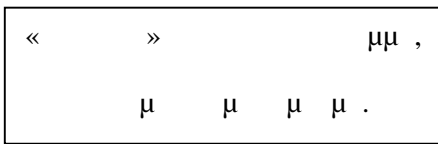
29

μ

μ μ μ (compile), μ μ Compile.



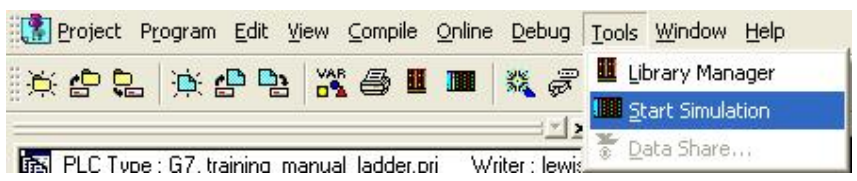
30 Build All ( μ )



31 μ Build All

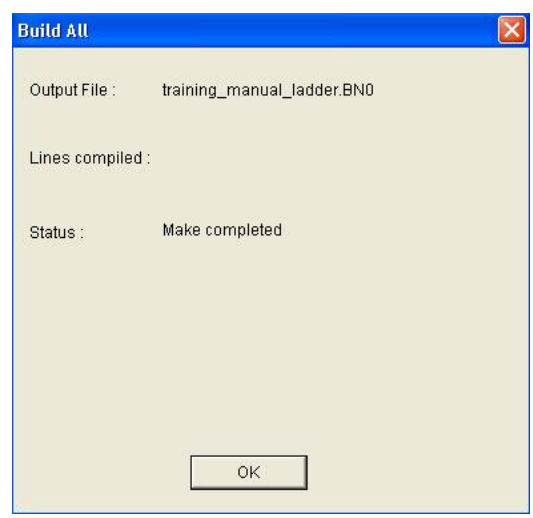
μ μ  
 GMWin μ μ PLC. μ μ μ μ PLC  
 μ rack μ G PLC, μ μ μ PLC

μ  
 «Start simulator» μ . (Tools)



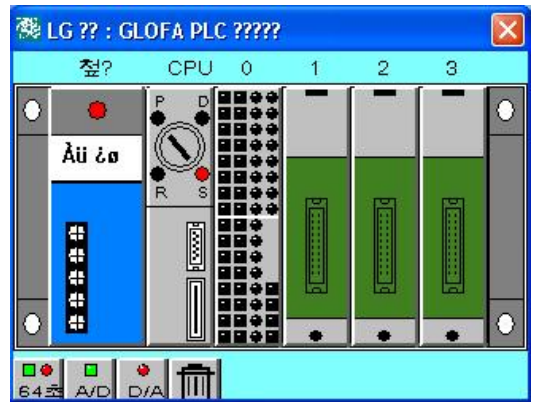
32 μ

μ μ , μμ « μ ».



33 μ Build All ( μ )

μ PLC μ μ  
 G4 G6 PLC. μ μ  
 μμ G4 G6 μ μ  
 μ I/O ( / )  
 μμ G7 μμ . 60 I/O  
 ( / ) μ  
 μ .



. . %IX0.0 = slot 0  
 %QX0.2.3 = slot 2

34 ,



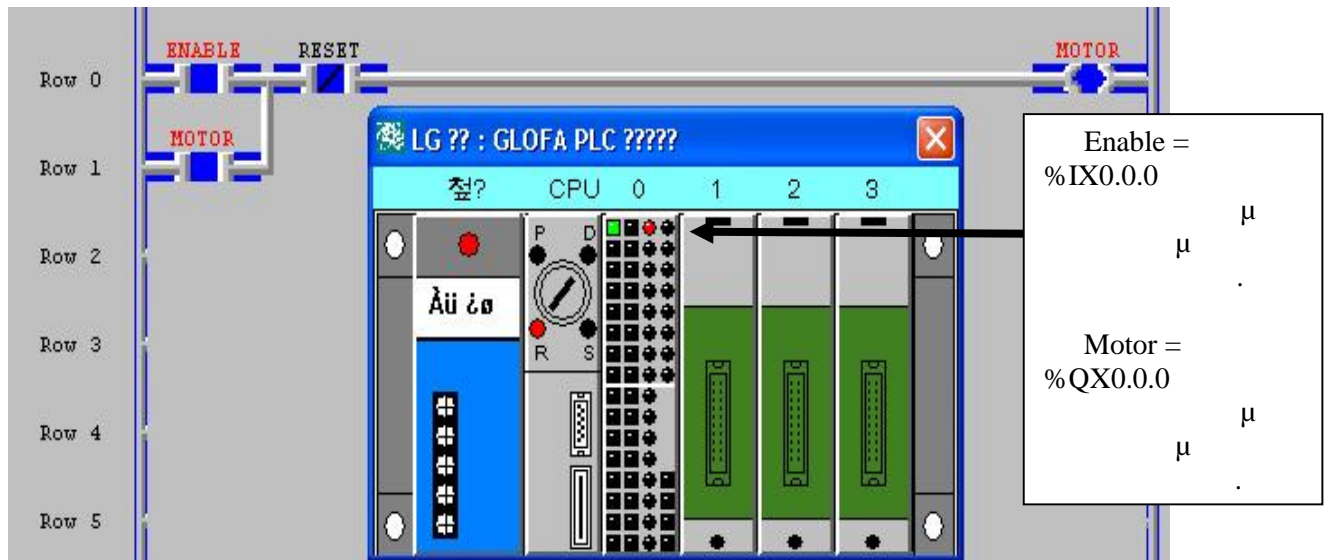


PLC

μ .

μ

μ



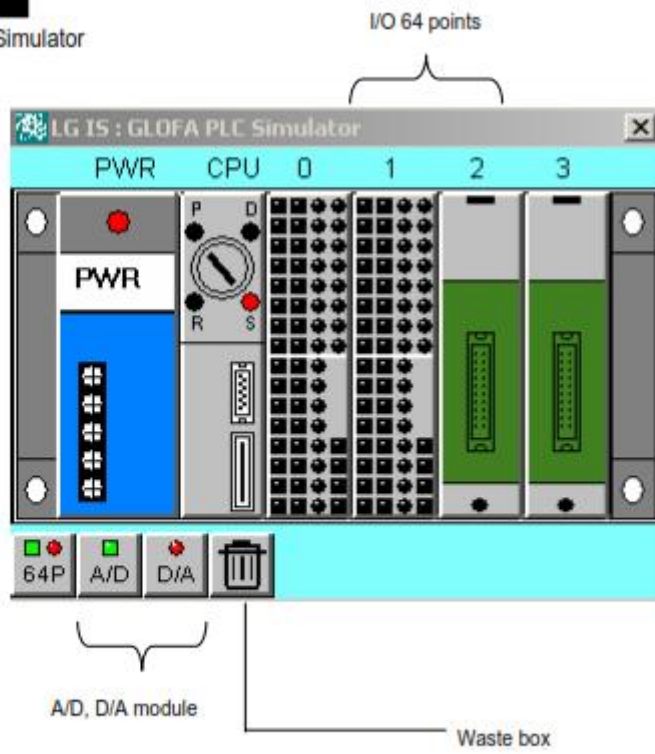
37

μ μ  
μ .

μ μ μ

Point

- GM7 Simulator



38  $\mu$

GM7	$\mu$	$\mu$	$\mu$	$\mu$
/	$\mu$	$\mu$	$\mu$	$\mu$
38.	$\mu$	$\mu$	$\mu$	64

# CPU

