MC

Rev:V2.4

: 2016 10 10

MC

V2.4

2016-10-10

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www.megmeet.com
400-666-2-163
0755-86600999

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..... 254

..... 278

..... 288

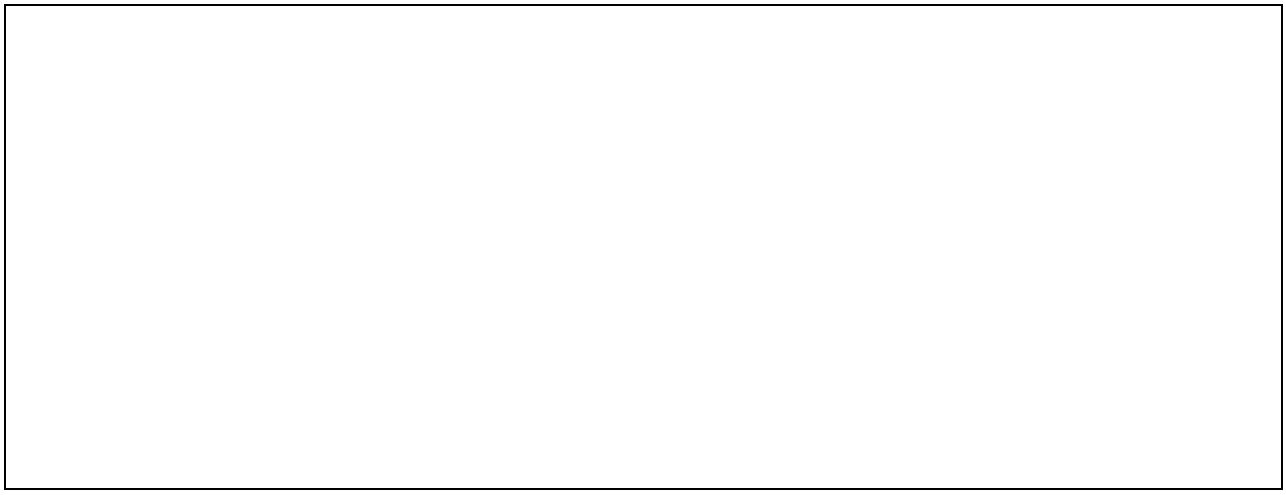
..... 298

.....1

1.1

		MC280	MC200	MC100	MC80

		MC280	MC200	MC100	MC80
	,				



1-1 MC80

1.1.3 MC100

1.2.1

1-2 X_Builder

1.2.2 X_Builder

Megmeet

1.2.3 X_Builder



1-5 X_Builder

ă

1.2.4



1-8

1.3.2

MCA200-UDM01SL1 MC PLC POWER

UPLOAD ENT (WORK) ERR

DOWNLOAD WORK WORK ERR

1.3.3

MON

PLC

SHIFT ENT

ENT



1.4

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1.4.1 Modbus œ ᵋ ľ & Ư Ч ˢ o â

MC200	
Mv 0	
0 &%	

1.5.3

MC100	
MC200	

1.5.4

MC100	
MC200	

1.5.5

MC200	

MC PLC PLC

2.1.3

2.1.4

2.1.5

2.1.6

2-5 PLC

	OFF→ON	STOP→RUN

2.1.7



2-2

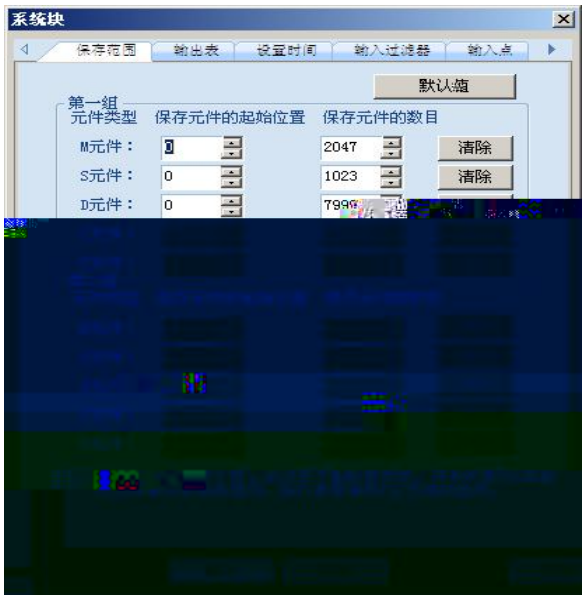
2.1.8 D

2.1.9

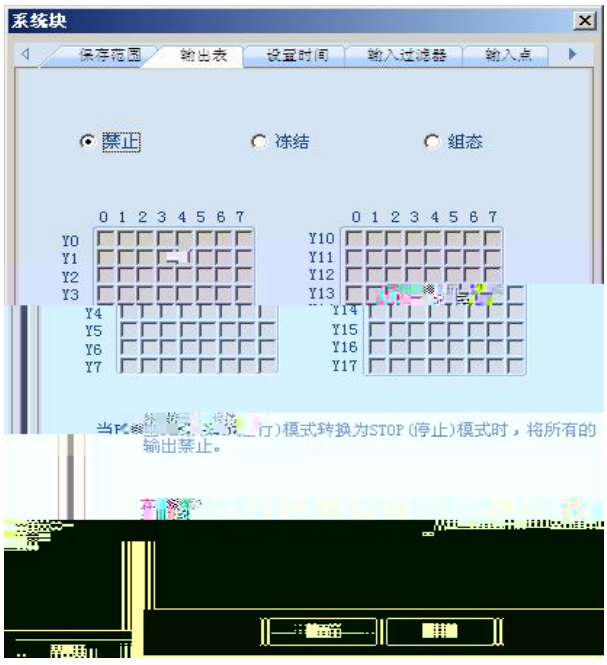
2.1.10

2.1.11

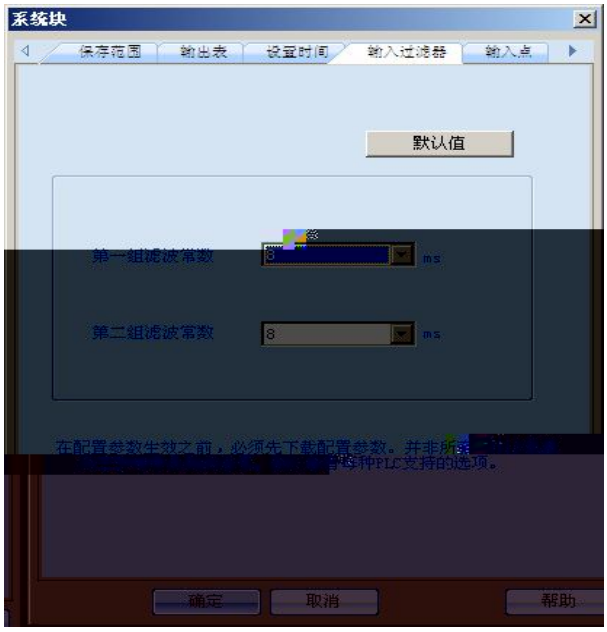
2-6


系统块
保存范围
输出表
设置时间
输入过滤器
输入点
默认值
第一组
元件类型
保存元件的起始位置
保存元件的数目
M元件：
0
2047
清除
S元件：
0
1023
清除
D元件：
0

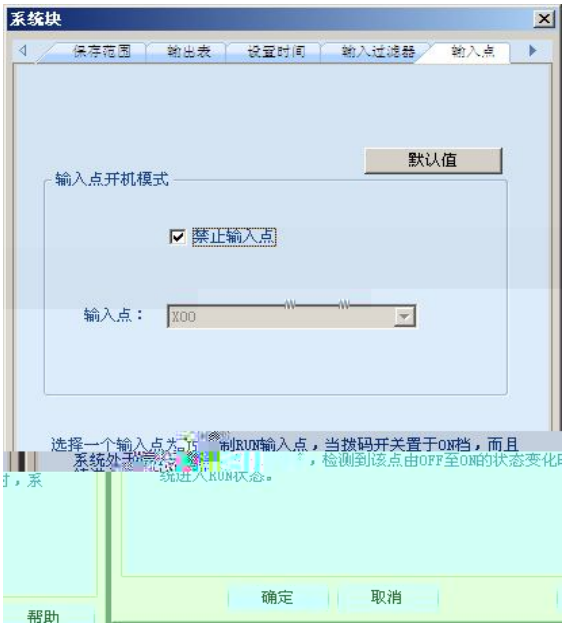
2-3


系统块
保存范围
输出表
设置时间
输入过滤器
输入点
禁止
冻结
组态
0 1 2 3 4 5 6 7
Y0
Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y10
Y11
Y12
Y13
Y14
Y15
Y16
Y17
输出禁止。

2-4

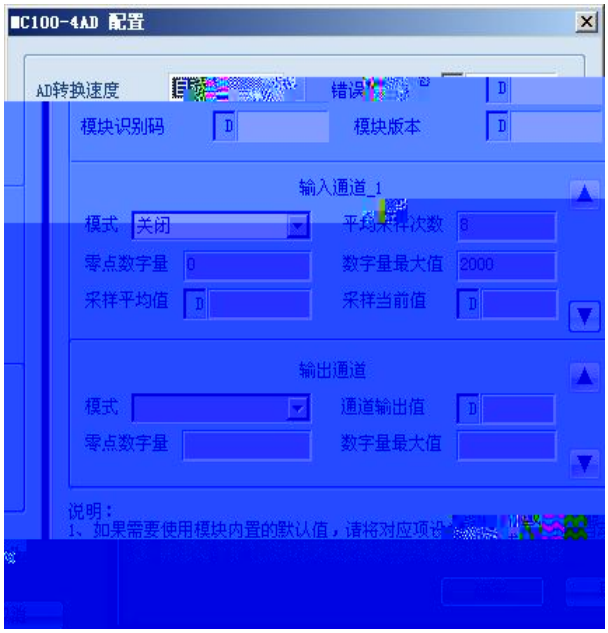

系统块
保存范围
输出表
设置时间
输入过滤器
输入点
默认值
第一组滤波常数
8
ms
第二组滤波常数
8
ms
确定
取消
帮助

2-6

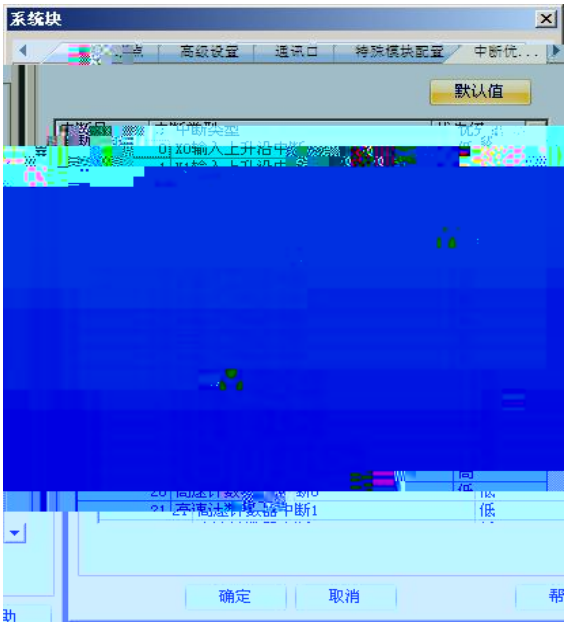

系统块
保存范围
输出表
设置时间
输入过滤器
输入点
默认值
输入点开机模式
禁止输入点
输入点：
X00
确定
取消
帮助

2-7

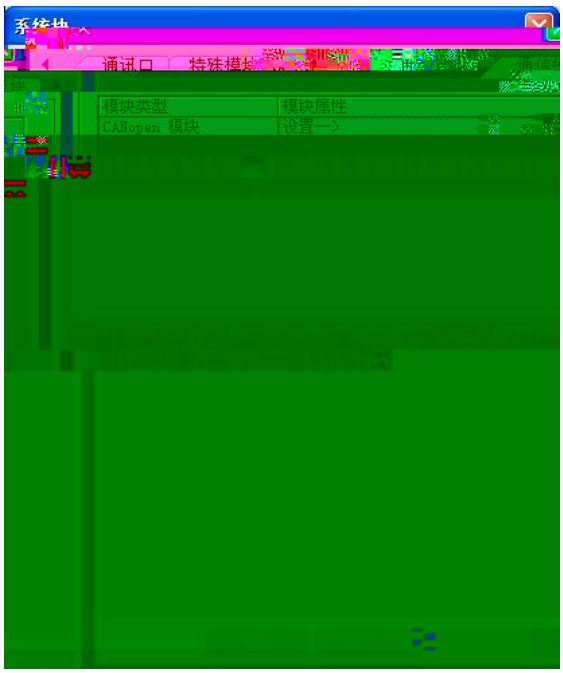

系统块
通讯口
特殊模块配置
中断优先级


C100-4AD 配置
AD转换速度
错误
模块识别码
模块版本
输入通道_1
模式
关闭
平均采样次数
零点数字量
数字量最大值
2000
采样平均值
采样当前值
输出通道
模式
通道输出值
零点数字量
数字量最大值
说明：
1、如果需要使用模块内置的默认值，请将对应项设

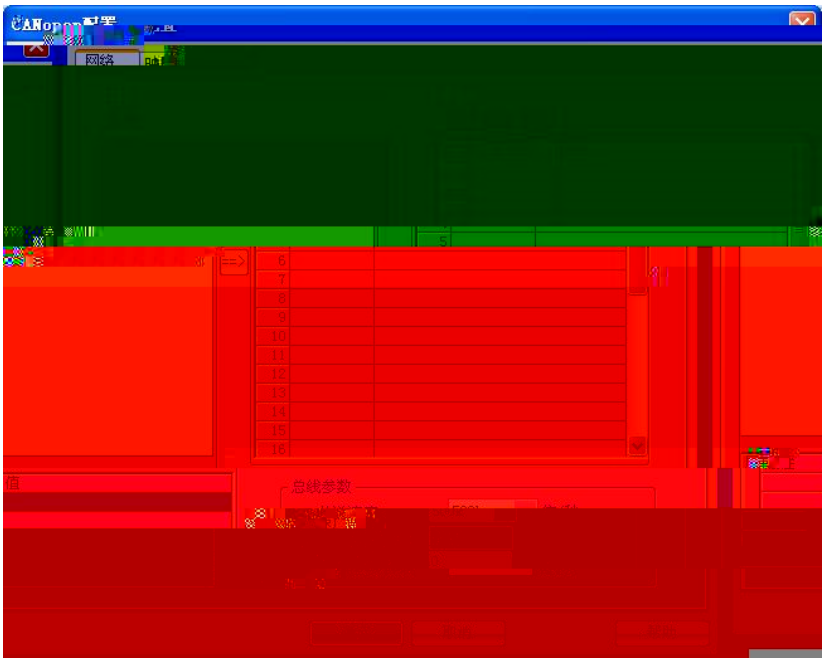
2-11


系统块
高级设置
通讯口
特殊模块配置
中断优...
默认值
中断类型
确定
取消

2-12



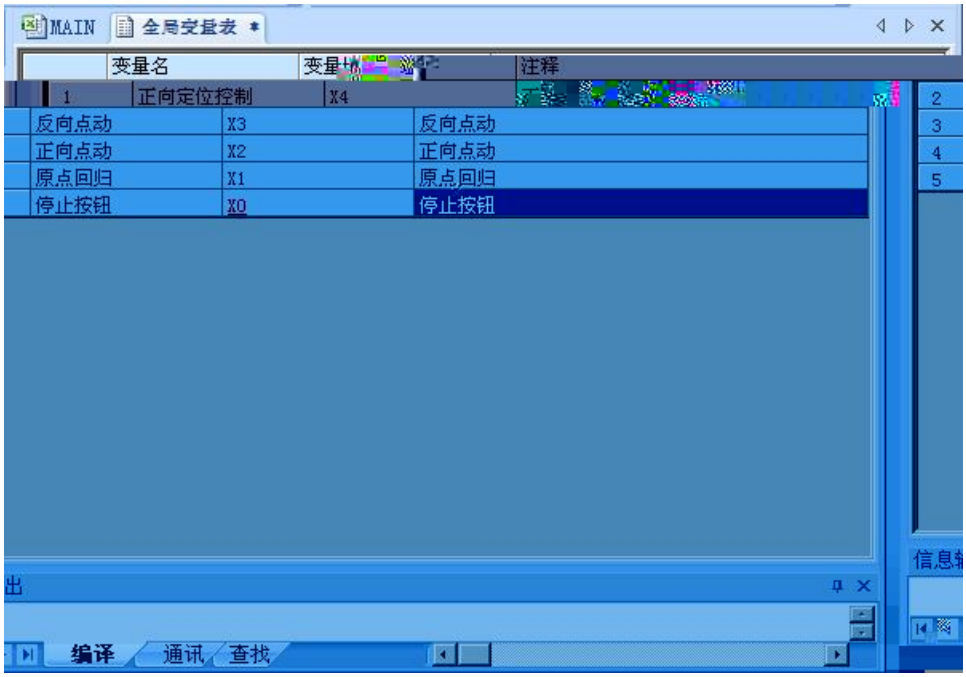
2-13



2-14 CANOPEN

2.2.2

2.2.3



2.2.4 MC200 MC280 BFM

MC200 MC280

MC200 MC280


版本
CPU类型
MC200
版本号
1.018
扫描速率(ms)
当前
1ms
最大值
14ms
最小值
0ms
系统错误编号
0
无系统错误
执行错误编号
0
无执行错误
程序容量
程序容量
12K步

2-19 PLC

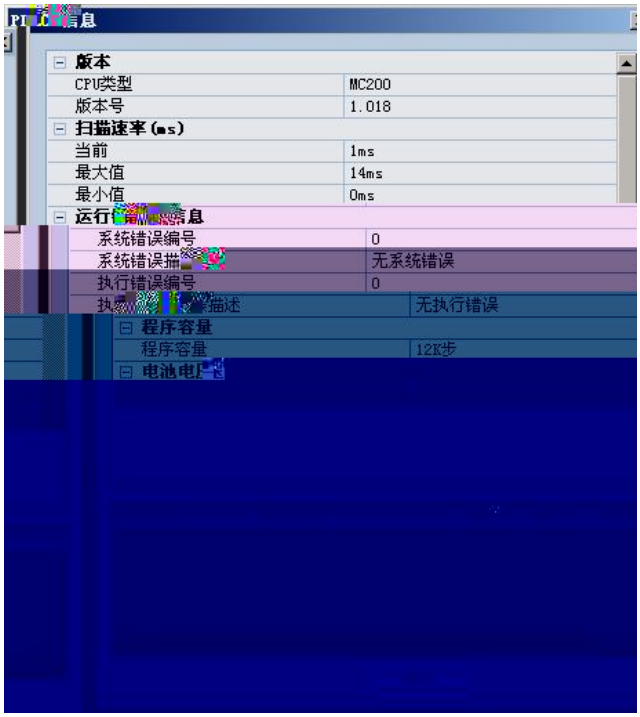
PLC

PLC

PLC

2.4.5 PLC

PLC



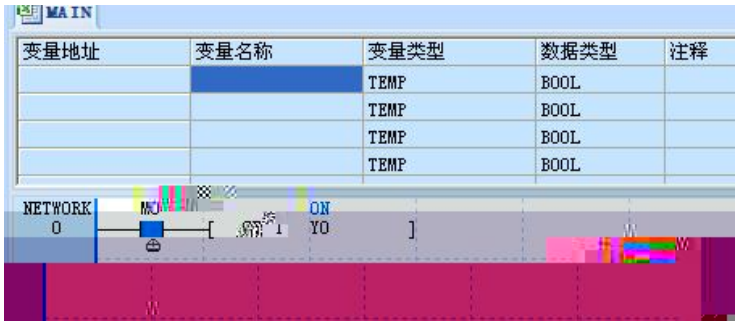
2-20 PLC

PLC

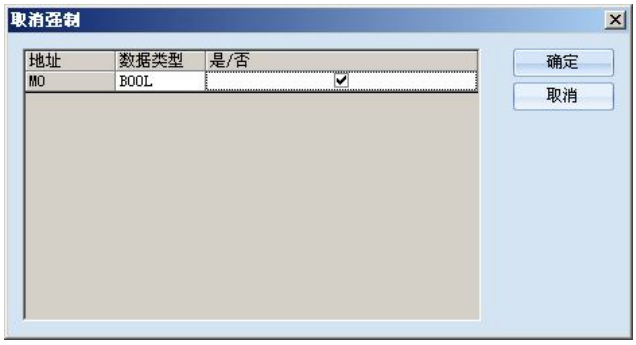


2-21 PLC

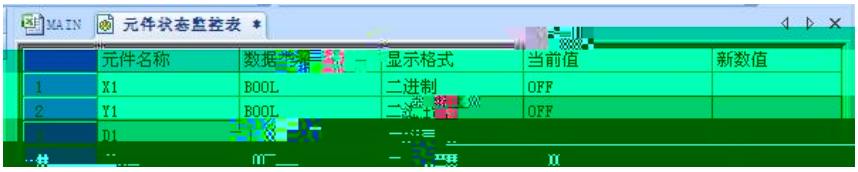
2.4.6



2-24

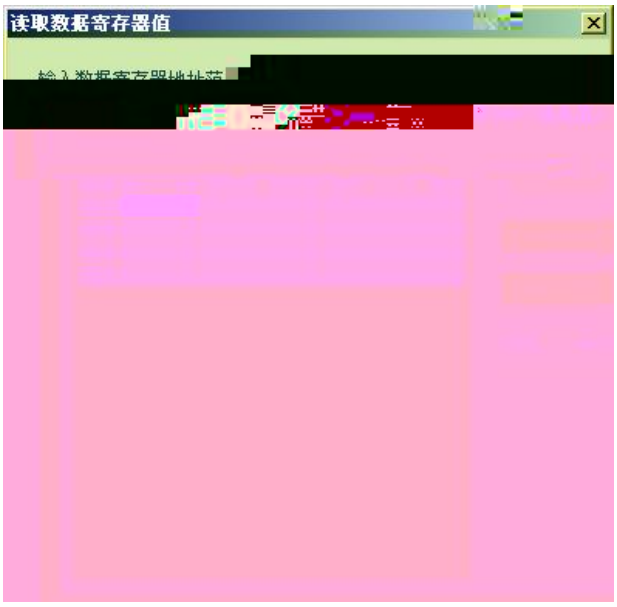


2-25



2-26

2.4.7 RAM



2-27 RAM

RAM

3.1

3.1.1

3.1.2

3-1 MC PLC

		MC100	MC200	MC280	

3.1.3

3

3.1.5

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3.1.9

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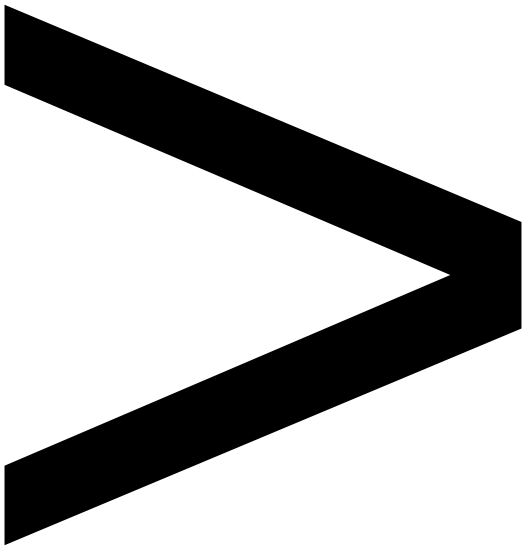
3.1.11

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3.2

3.2.1 Kn



3.2.3

3.2.4 D R V



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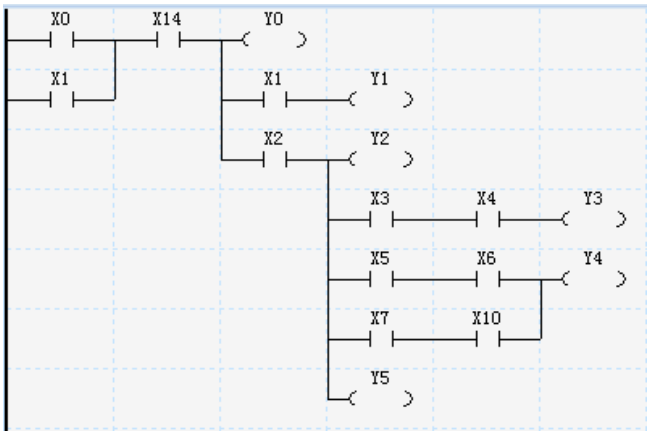
3.3.4

3-4

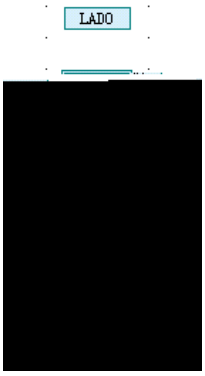
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4.1

4.1.2 IL

4.1.3 SFC

[redacted]	

4.2

4.2.1

MAIN

SBR

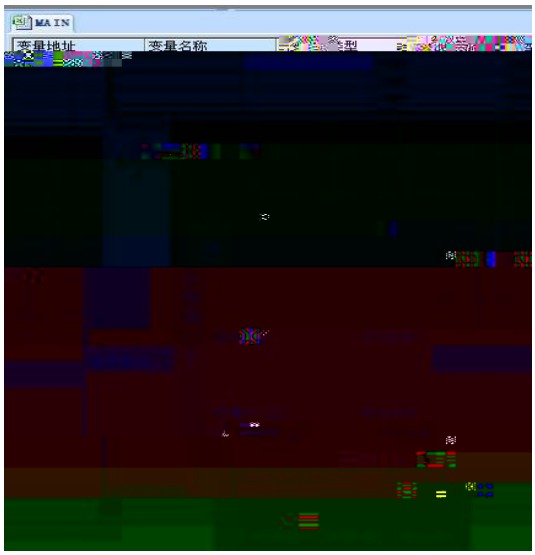
INT

4.2.2

4.2.3

4.3

4.3.1



4-4

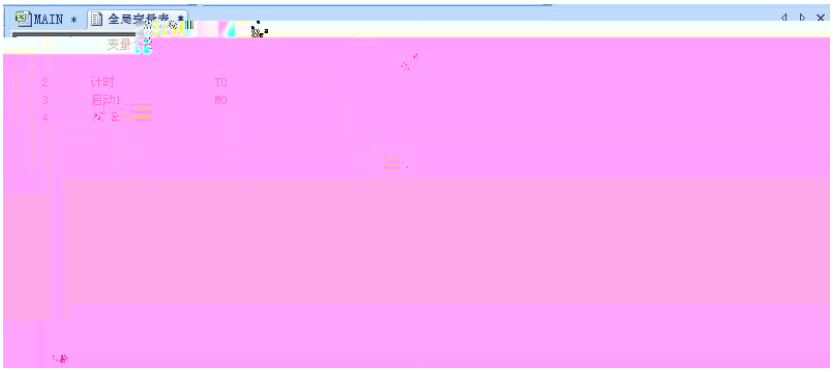


4-5

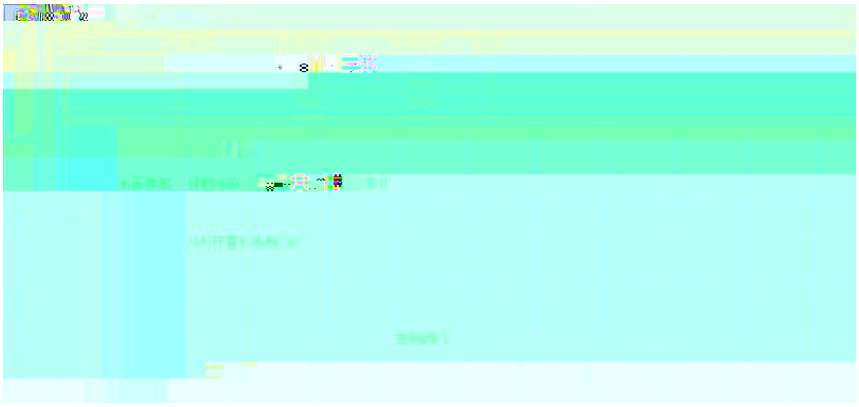


4-6

4.3.2



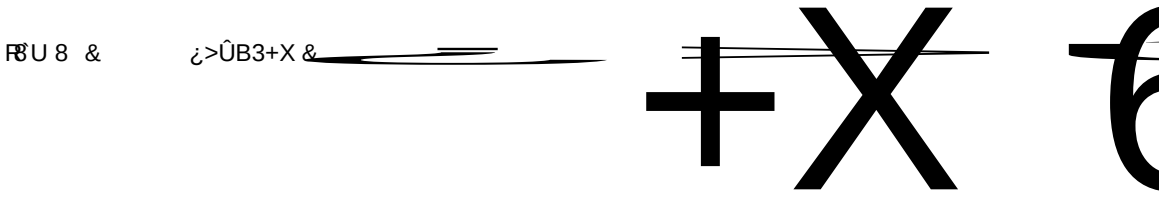
4-7



4.4

4.4.1

4.4.2



4-11 SBR_1



3

LD M0
CALL SBR_1 3 2 D0

4.5

4.5.1

ノ E

4.5.2

SM180

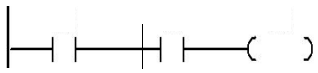
SM181

SM182

4.5.3

MC PLC

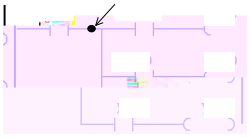
5.1.3 AND



S

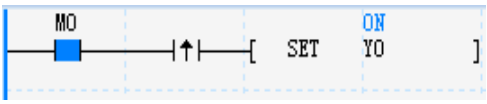


5.1.10 MPS

		MC200 MC100 MC80 MC280
MPS		1

5.1.13 EU

		MC200 MC100 MC80 MC280
EU		2



5.1.14 ED

		MC200 MC100 MC80 MC280
ED		2

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5.2

5.2.1 MC

		MC200 MC100 MC80 MC280
[MC (S)]		
MC S		3

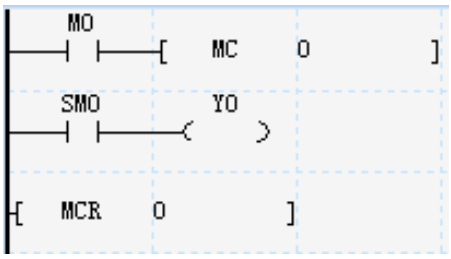
S

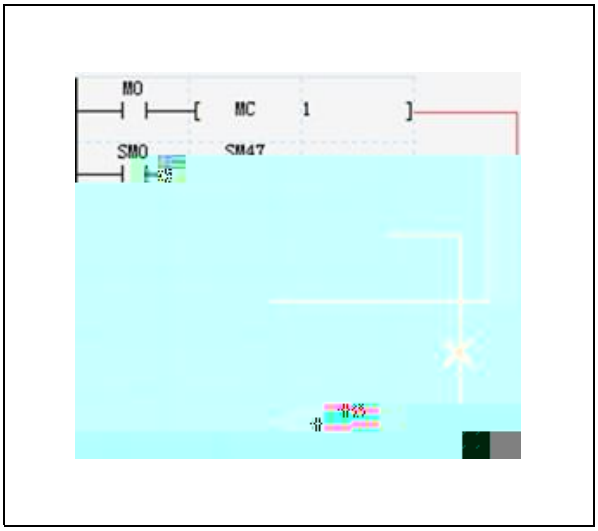
5.2.2 MCR

		MC200 MC100 MC80 MC280
[MCR (S)]		
MCR S		1

S

S





D ***D***

5.3.5 RET SFC

		MC200 MC100 MC80 MC280
⊣[RET]		
RET		**1**

5.4

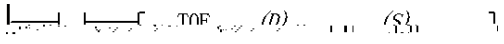
5.4.1 TON

		MC200 MC100 MC80 MC280
		5

D

S

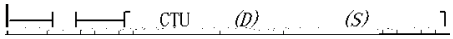
5.4.3 TOF

		MC200 MC100 MC80 MC280
		

TOF ***D***

5.5

5.5.1 CTU 16



5.5.3 DCNT 32

		MC200 MC100 MC80 MC280
⊢⊣ ⊢[DCNT (D) (S)]		
DCNT ***D*** ***S***		**7**

MC PLC

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6.1

6.1.1 FOR

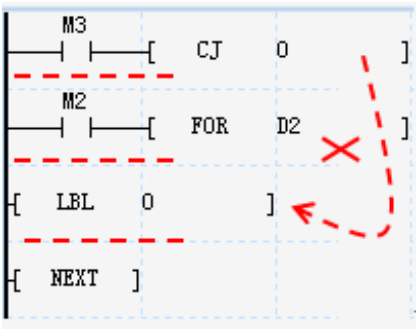
├─┤ ├─[FOR (S)]		MC200 MC100 MC80 MC280
FOR S		3

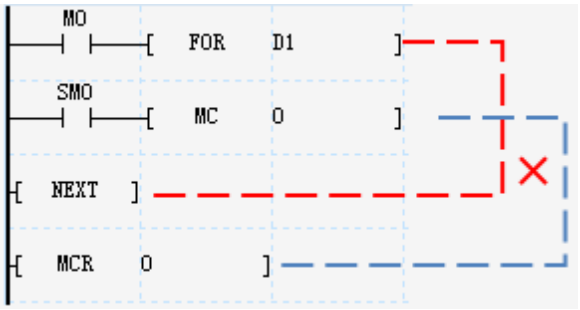
S

6.1.2 NEXT

├[NEXT]		MC200 MC100 MC80 MC280
NEXT		1

77





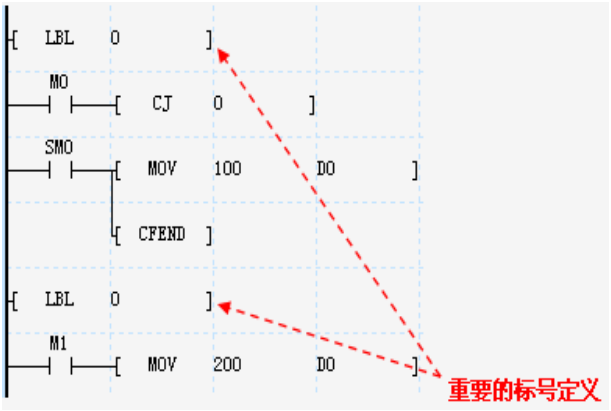
6.1.3 LBL

		MC200 MC100 MC80 MC280
[redacted]		
LBL S		3

S

S

S **S**



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6.1.6 WDT

├─┤ ├─[WDT]		MC200 MC100 MC80 MC280
WDT 1	1	1

6.1.7 EI

Ö sa`dŒ‡ 2 Á Õ²D."oOG'2Y&!„F2+X j » F2+X j » MC200 MC100 MC80 MC280

├─┤ ├─[EI]

6.1.11 CALL

		MC200 MC100 MC80 MC280
		
CALL *1* *2*		

6.2

6.2.1 MOV

⊢⊣ ⊢⊣[MOV (S) (D)]		MC200 MC100 MC80 MC28
MOV S D		5

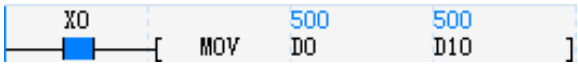
S

D

˘ 1 0 0

S

D ***S***



6.2.2 DMOV

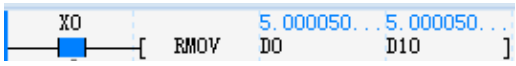
⊢⊣ ⊢⊣[DMOV (S) (D)]		MC200 MC100 MC80 MC28
DMOV S D		7

6.2.3 RMOV

		MC200 MC100 MC80 MC280
RMOV (S) (D)		
RMOV S D		7

S

D



S

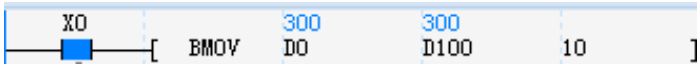
D **S**

6.2.4 BMOV

		MC200 MC100 MC80 MC280
BMOV (S1) (D) (S2)		
BMOV S1 D S2		7

S

D



S2

S1

S2 **D** X0=ON D0 10 D100 10

S2 **S1** D100=D0 D101=D1 …… D109=D9

S2

6.2.5 FMOV

[illegible]		MC200 MC100 MC80 MC280
FMOV ***S1*** ***D*** ***S2***		**7**

6.2.9 DXCH

6.2.11 FIFO

FIFO (D1) (D2) (S)		MC200 MC100 MC80 MC280
FIFO D1 D2 S		7

D1

D2

S

D1

D1 ***D2***

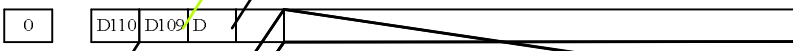
D1 ***D1*** ***S***

D1

D1

S

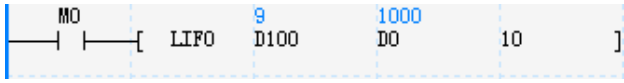




6.2.12 LIFO

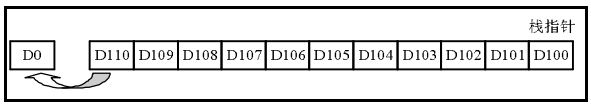
LIFO (D1) (D2) (S)		MC200 MC100 MC80 MC280
LIFO D1 D2 S		7

D1



D2

S



D1

D2 ***D1***

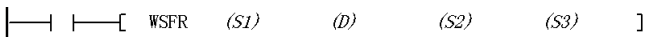
D1

D1

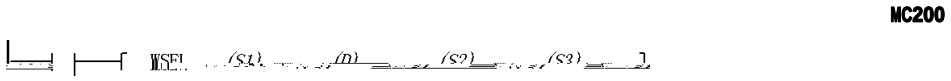
S

6.2.13 WSFR

MC200 MC100 MC80 MC280



6.2.14 WSFL



6.3

6.3.1 ADD

ADD		MC200 MC100 MC80 MC280C
ADD ***S1*** ***S2*** ***D***		**7**

S1

S2

D

S1 ***S2*** ***D***

D

6.3.3 MUL

		MC200 MC100 MC80 MC280
[redacted]		
MUL S1 S2 D		8

S1

S2

D - ,´ ý Œ



S1 ***S2*** ***DÂ***

6.3.4 DIV

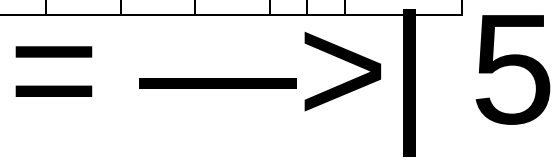
		MC200 MC100 MC80 MC280
⊣⊢ ⊣⊢[DIV (S1) (S2) (D)]		
DIV S1 S2 D		7

Åm ÿ Aã ë@

MUL D1

6.3.5 SQT

		MC200 MC100 MC80 MC280
(D) SQT (S)		
SQT S D		5



S S

D



S

DÂ

D

6.3.6 INC

		MC200 MC100 MC80 MC280
INC (D)		
INC D		3

6.3.7 DMC

		MC200 MC100 MC80 MC280
DEC (D)		
DMC D		3

D

D



6.3.8 VABS

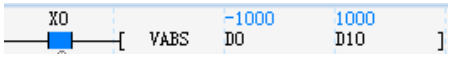
		MC200 MC100 MC80 MC280
VABS (S) (D)		
VABS S D		5

S ***S*** ***S***

D

S

D



6.3.9 NEG

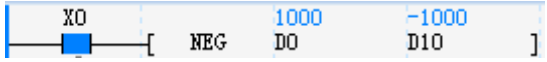
		MC200 MC100 MC80 MC280
NEG (S) (D)		
NEG S D		5

S ***S*** ***S***

D

S

D



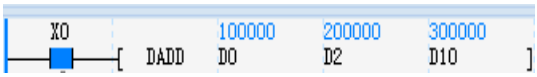
6.3.10 DADD

├──┤ ├──[DADD (S1) (S2) (D)]		MC200 MC100 MC80 MC280
DADD S1 S2 D		10

S1

S2

D



S1 ***S2*** ***D***Â

D

6.3.11 DSUB

├──┤ ├──[DSUB (S1) (S2) (D)]		MC200 MC100 MC80 MC280
DSUB S1 S2 D		10

' ¦5 i ™[[/•\ ™˜ xBH

S1

S2

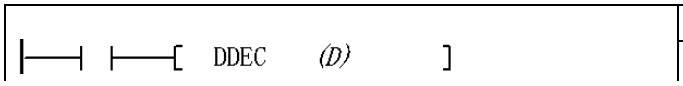
D

6.3.12 DMUL

		**MC200 MC100 MC80 MC280**
DMUL ***S1*** ***S2*** ***D***		**10**

6.3.14

6.3.16 DDMC



	MC200 MC100 MC80 MC280

6.3.18 DNEG

6.4.2 RSUB

⊢⊣ ⊢[RSUB (S1) (S2) (D)]		MC200 MC100 MC280
RSUB S1 S2 D		10

S1

S2

D

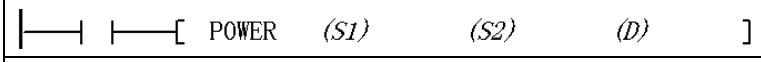
6.4.4 RDIV

6.4.6 [redacted]S

		MC200 MC100 MC280
├─[RVABS (S) (D)]		
RVABS S D		7

R

6.4.11 POWER

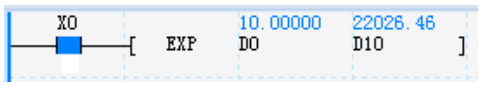
		**MC200 MC100 MC280**
POWER ***S1*** ***S2*** ***D***		**10**

6.4.13 EXP

⊣⊢ ⊢[EXP (S) (D)]		MC200 MC100 MC280
EXP S D		7

S

D



S

DÂ

D

6.4.14 RSUM

⊣⊢ ⊢[RSUM (S1) (S2) (D)]		MC200 MC100 MC280
RSUM S1 S2 D		9

S1

S2

D

6.4.15 ASIN

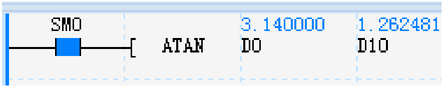
6.4.17 [redacted]

[redacted]		MC280
		7

D

S

D



S

D′

6.4.18 ¬ × M

6.4.20 DEG ->

		MC280
		7

6.5

						LM/V

BCD

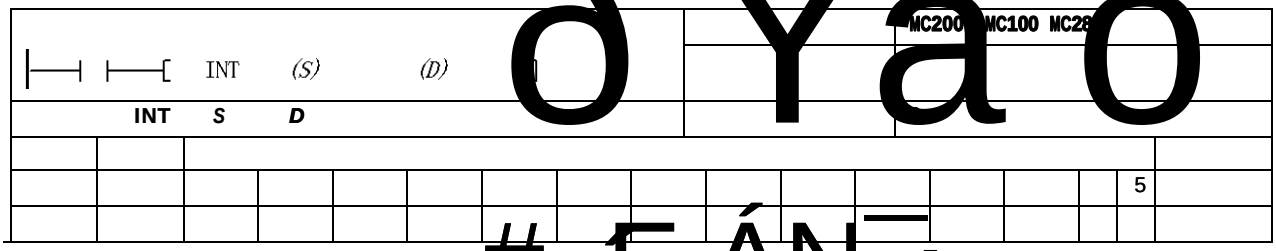
	8421BCD	

6.5.1 DTI

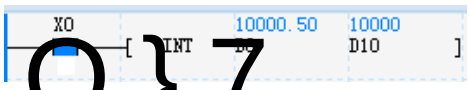
		MC200 MC100 MC80 MC280
⊣⊢ ⊣⊢[DTI (S) (D)]		

DTI

6.5.5 INT



S D



6.5.6 DINT

MC200 MC100 MC280

DINT (S) (D)

6.5.7 BCD 16 BCD

BCD (S) (D)		MC200 MC100 MC80 MC280
BCD S D		5

S S D

S D



6.5.8 DBCD BCD

DBCD (S) (D)		MC200 MC100 MC80 MC280
S D		7

6.5.9 BIN 16 BCD

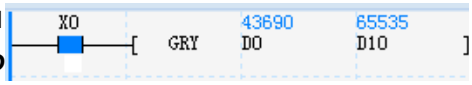
		MC200 MC100 MC80 MC280
BIN (S) (D)		

6.5.11 BRY k 66 †

[GRY (S) (D)]		MC200 MC100 MC80 MC280
GRY S D		5
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† ˥ đ × 1

S & R × Y 1

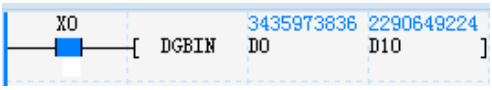
D

6.5.14 DGBIN 32

⊢⊣ ⊢⊣[DGBIN (S) (D)]		MC200 MC100 MC80 MC280
DGBIN S D		7

S

D



S

D

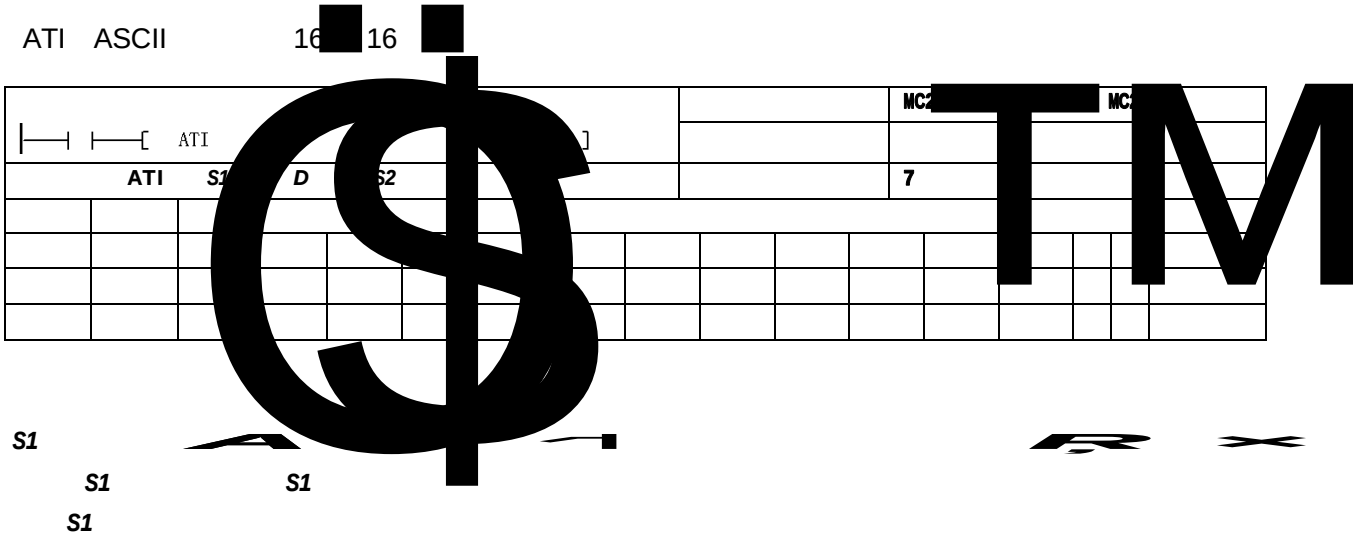
6.5.15 SEG 7

⊢⊣ ⊢⊣[SEG (S) (D)]		MC200 MC100 MC80 MC280

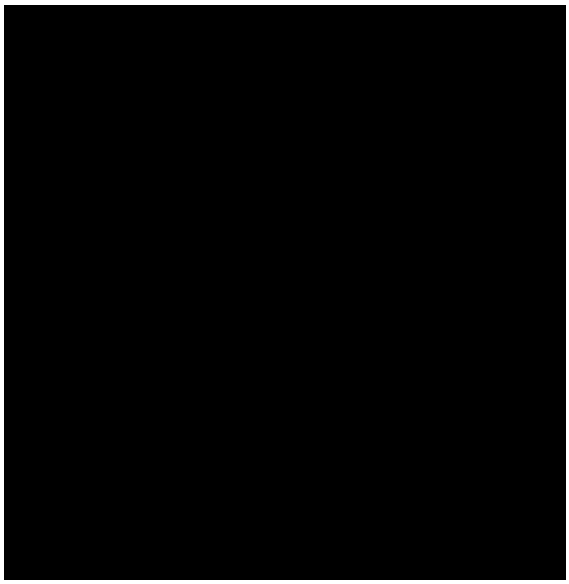
6.5.16 ASC ASCII

ASC (S1~S8) (D)		MC200 MC100 MC80 MC280
ASC S1 S8 D		19

6.5.18 ATI ASCII 16 16

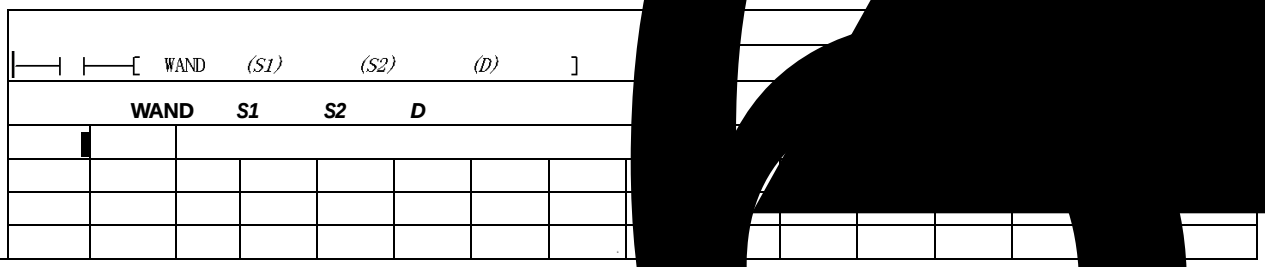


S3 ***S3***



6.6

6.6.1 WAND





S1

S2

D

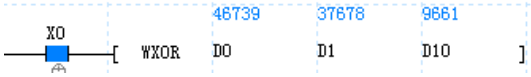
ƒ7-#q 9 x & ***S1*** ***S2***

DÂ

S1

S2

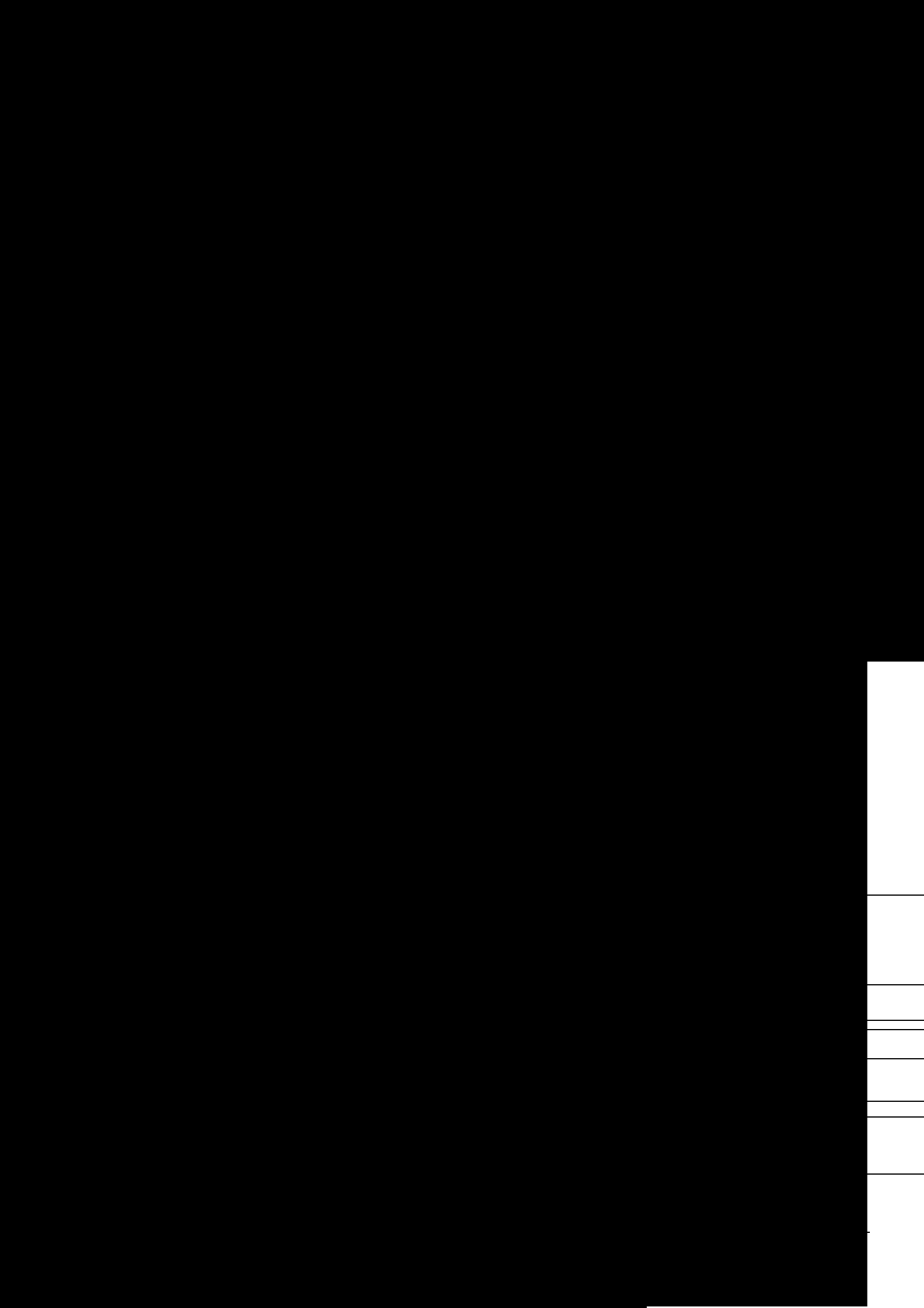
D



S1 ***S2***

DÂ

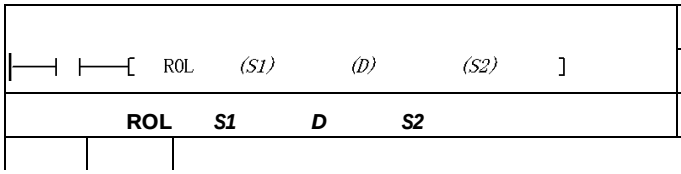
6.6.4 WINV



6.7

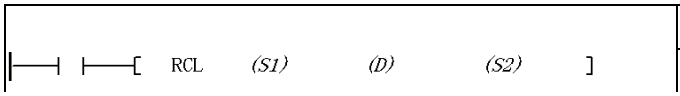
6.7.1

6.7.2 ROL 16



		MC200 MC100 MC80 MC280
		SM181
ROL S1 D S2		7

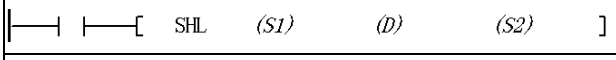
6.7.4 RCL 16



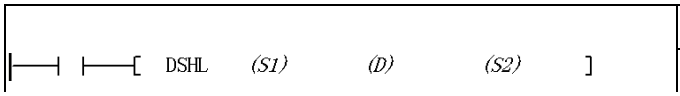
	MC200 MC100 MC80 MC280
	SM181

6.7.6

6.7.10 SHL 16

		MC200 MC100 MC80 MC280
SHL S1 D S2		7

6.7.12 DSHL 32



MC200	MC100	MC80	MC280

6.7.14 SFTL

SFTL (S1) (D) (S2) (S3)		MC200 MC100 MC80 MC280
SFTL S1 D S2 S3		9

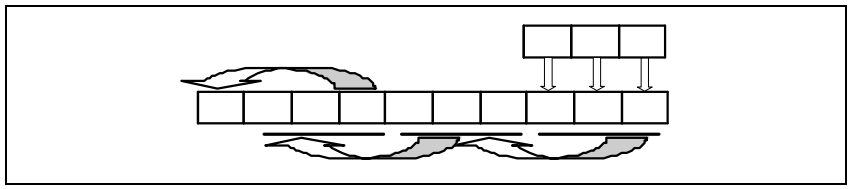
S1

D

S2

S3





S2 ***S3***

D

S2 ***S3***

S3

S1

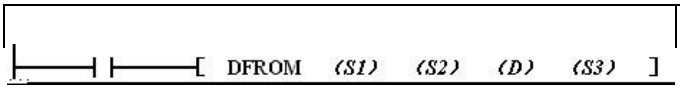
S3

6.8

6.8.1 FROM



6.8.2 DFROM



MC200 MC280

6.8.3 TO

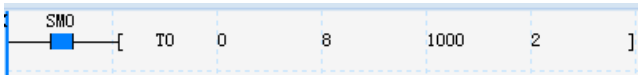
[TO (S1) (S2) (S3) (S4)]		MC200 MC280
TO S1 S2 S3 S4		9

S1 ***S3*** ***S4*** ***S1***

S2 ***S4***

S4

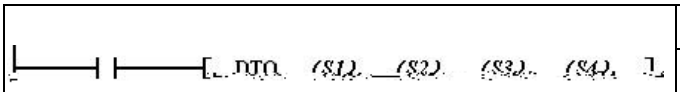
S2



S3

S4

6.8.4 DTO

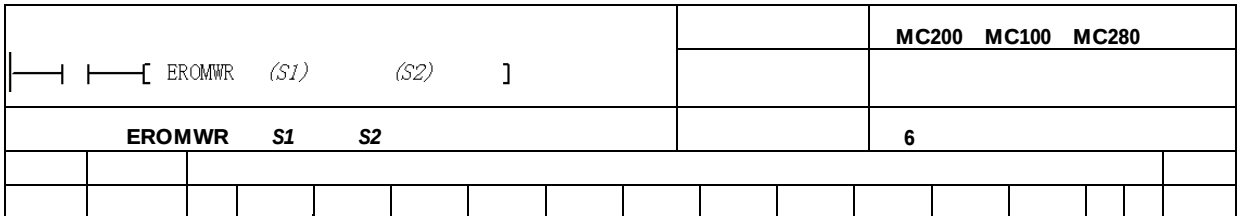


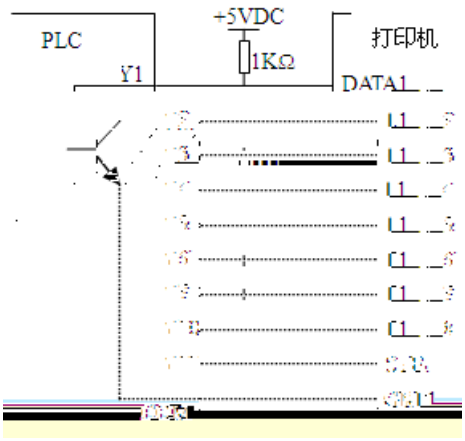
		MC200 MC280
DTO S1 S2 S3 S4		10

6.8.6 REFF

		MC200 MC100 MC80 MC280
		
REFF ***S***		**3**

6.8.8 EROMWR EEPROM





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6.8.10 TKY

MC280



6.9

6.9.1 TRD

TRD (D)		MC200 MC100 MC280
TRD ***D***		**3**

D ***D***



6.9.2 TWR

⊢⊣ ⊢[TWR (S)]		MC200 MC100 MC280
TWR S		3

6.9.3 TADD

⊣⊢ ⊣⊢[TADD (S1) (S2) (D)]		MC200 MC100 MC280 SM180 SM181
TADD S1 S2 D		7

S1

S1

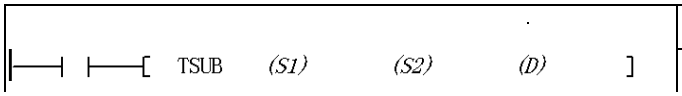
S2

S2

D

D

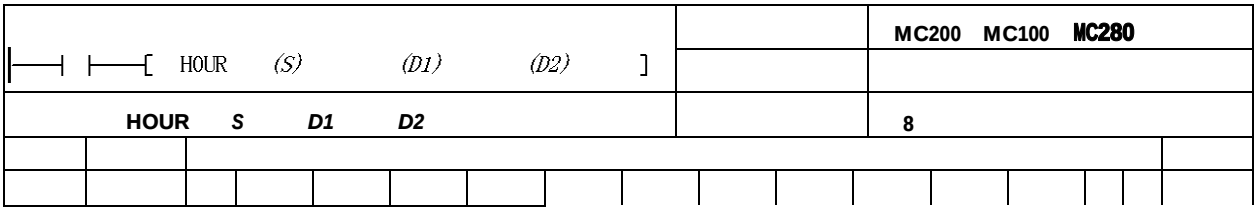
6.9.4 TSUB



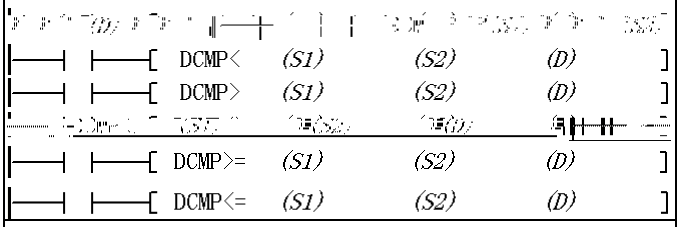
TADD

MC200	MC100	MC280
SM180		SM182

6.9.5 HOUR

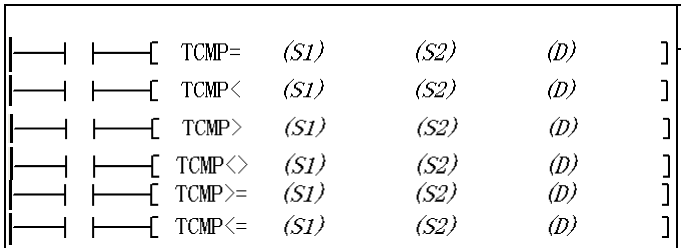


6.9.6 DCMP = < > <> >= <=

		MC200 MC100 MC280
DCMP ***S1*** ***S2*** ***D*** **DCMP** ***S1*** ***S2*** ***D*** **DCMP** ***S1*** ***S2*** ***D*** **DCMP** ***S1*** ***S2*** ***D*** **DCMP** ***S1*** ***S2*** ***D*** **DCMP** ***S1*** ***S2*** ***D***		**7**

S1 ***S1***

6.9.7 TCMP = < > <> >= <=



			MC200 MC100 MC280

TCMP	***S1***	***S2***	***D***
TCMP	***S1***	***S2***	***D***
TCMP	***S1***	***S2***	***D***
TCMP	***S1***	***S2***	***D***
TCMP			

6.9.8 HTOS

		**MC280**
HTOS (*S*) (*D*)		**5**

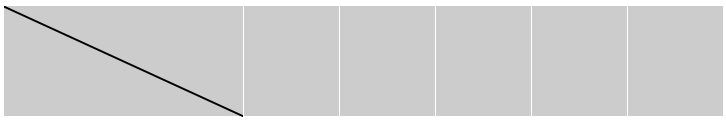
6.10 IO

6.10.1 HCNT

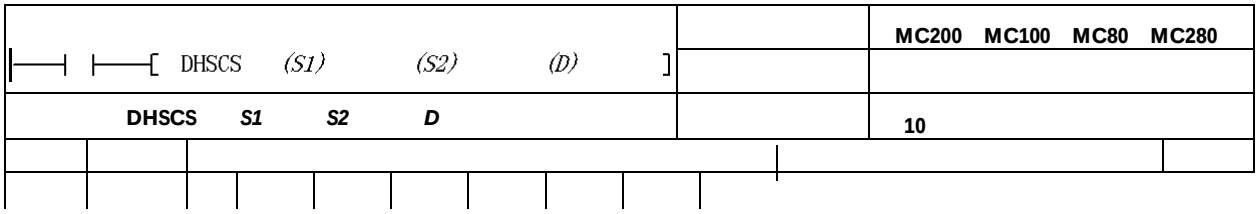
HCNT (D) (S)]		MC200 MC100 MC80 MC280
HCNT D S		7

D

S



6.10.2 DHSCS



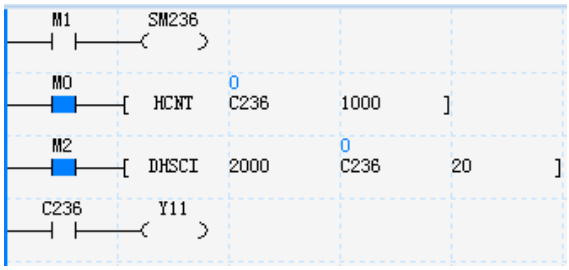
6.10.3 DHSCI

⊣⊢ ⊢[DHSCI (S1) (S2) (S3)]		MC200 MC100 MC80 MC280
DHSCI S1 S2 S3		10

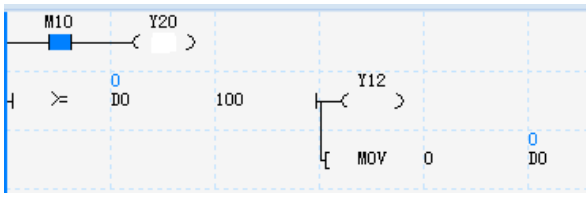
S1

S2

S3



S1 ***S3***

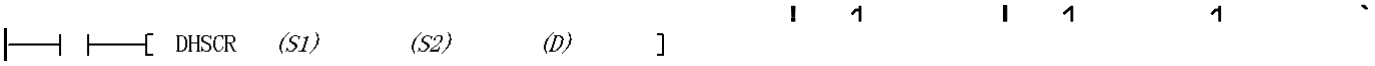


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6.10.4 DHSPI

		MC280
DHSPI *S1* *S2* *S3*		**10**

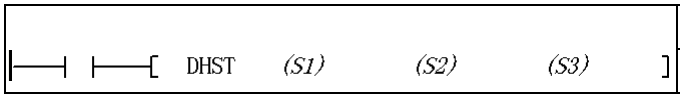
6.10.5 DHSCR



6.10.6 DHSZ

		**MC200 MC100 MC80 MC280**
DHSZ *S1* *S2* *S3* *D*		**13**

6.10.7 DHST

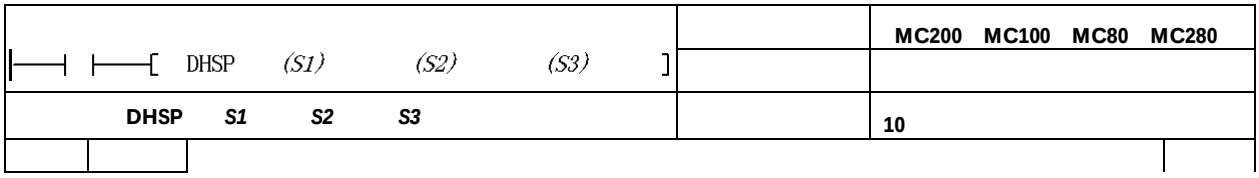


	MC200	MC100	MC80	MC280

DHST	S1	S2	S3
10			

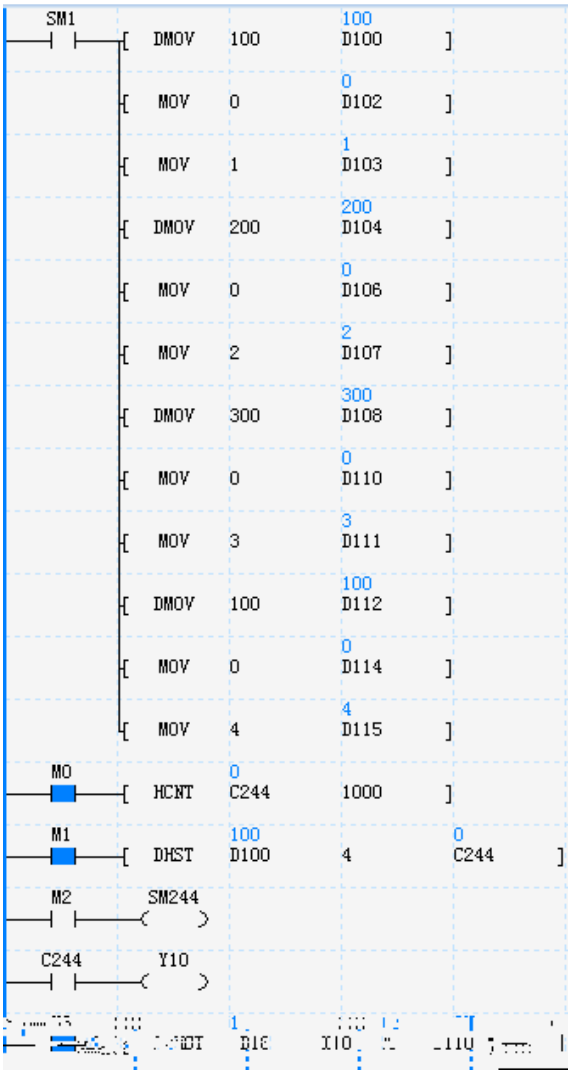
		Y	/	

6.10.8 DHSP



		MC200 MC100 MC80 MC280
DHSP S1 S2 S3		10

		SD180 SD181		


SM1
DMOV 100 D100
MOV 0 D102
MOV 1 D103
DMOV 200 D104
MOV 0 D106
MOV 2 D107
DMOV 300 D108
MOV 0 D110
MOV 3 D111
DMOV 100 D112
MOV 0 D114
MOV 4 D115
M0
HCNT C244 1000
M1
DHST D100 4 C244
M2
SM244
C244
Y10

6.10.9 SPD

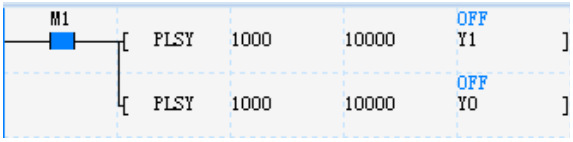
MC200 MC100



6.10.10 PLSY

PLSY (S1) (S2) (D)		MC200 MC100 MC80 MC280
PLSY S1 S2 D		9

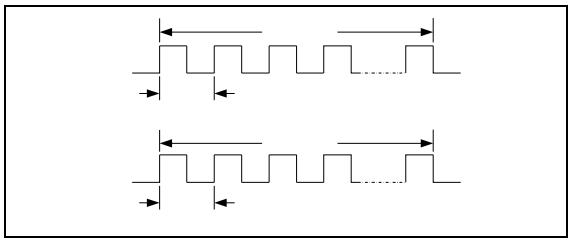
S1



S1

S1

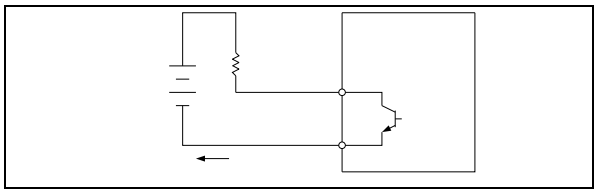
S2



S2

S2

D



6.10.11 PLSR

PLSR (S1) (S2) (S3) (D)		MC200 MC100 MC80 MC280
PLSR *S1* *S2* *S3* *D*		10

S1

³'VE[ñ' Ÿ '¹™€ 46…' ™˜ D"' ´

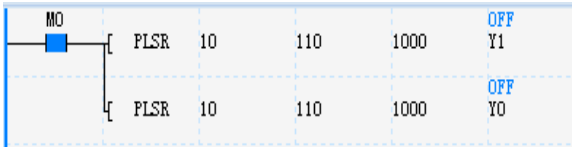
S2 Ð

S3 Ô

S1 ***S3*** ***S3*** ***S1***

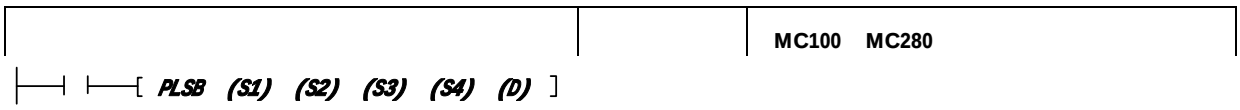
S1 ***S3*** ***S3*** ***S1***

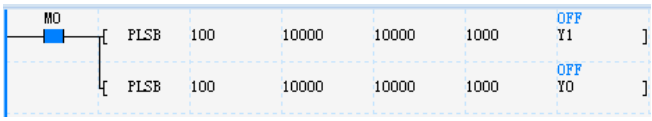
4*6åTñœ ™ù ™ð ™€ % #'`,6 Ä Ð ô(ǯ[@¡ñ Ÿ 46…' ™˜ D"' ´däU¿ Á Ÿ ð ™€ q 2v 4*4tU¿ Ç'ð € q 2v 4*8å[ñœ ™ùð


M0
PLSR 10 110 1000 OFF Y1
PLSR 10 110 1000 OFF Y0

6.10.12

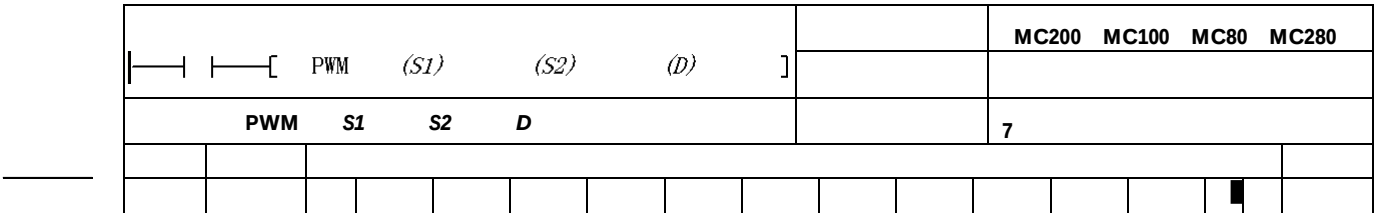
6.10.13 PLSB

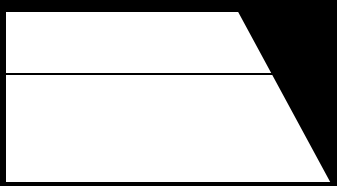



M0
PLSB 100 10000 10000 1000 OFF Y1
PLSB 100 10000 10000 1000 OFF Y0

È

6.10.14 PWM





S3 1

S3 15

Ä 4Z ‰µ.ý@©ˆM‘ Ÿ ™˜ F8ˆ&WE˜&!L@ Ä"° •

6.11.2 RAMP

RAMP (S1) (S2) (D1) (S3) (D2)		MC200 MC100 MC80 MC280
RAMP ***S1*** ***S2*** ***D1*** ***S3*** ***D2***		**12**

S1

S2

D1

S3 ***S3***

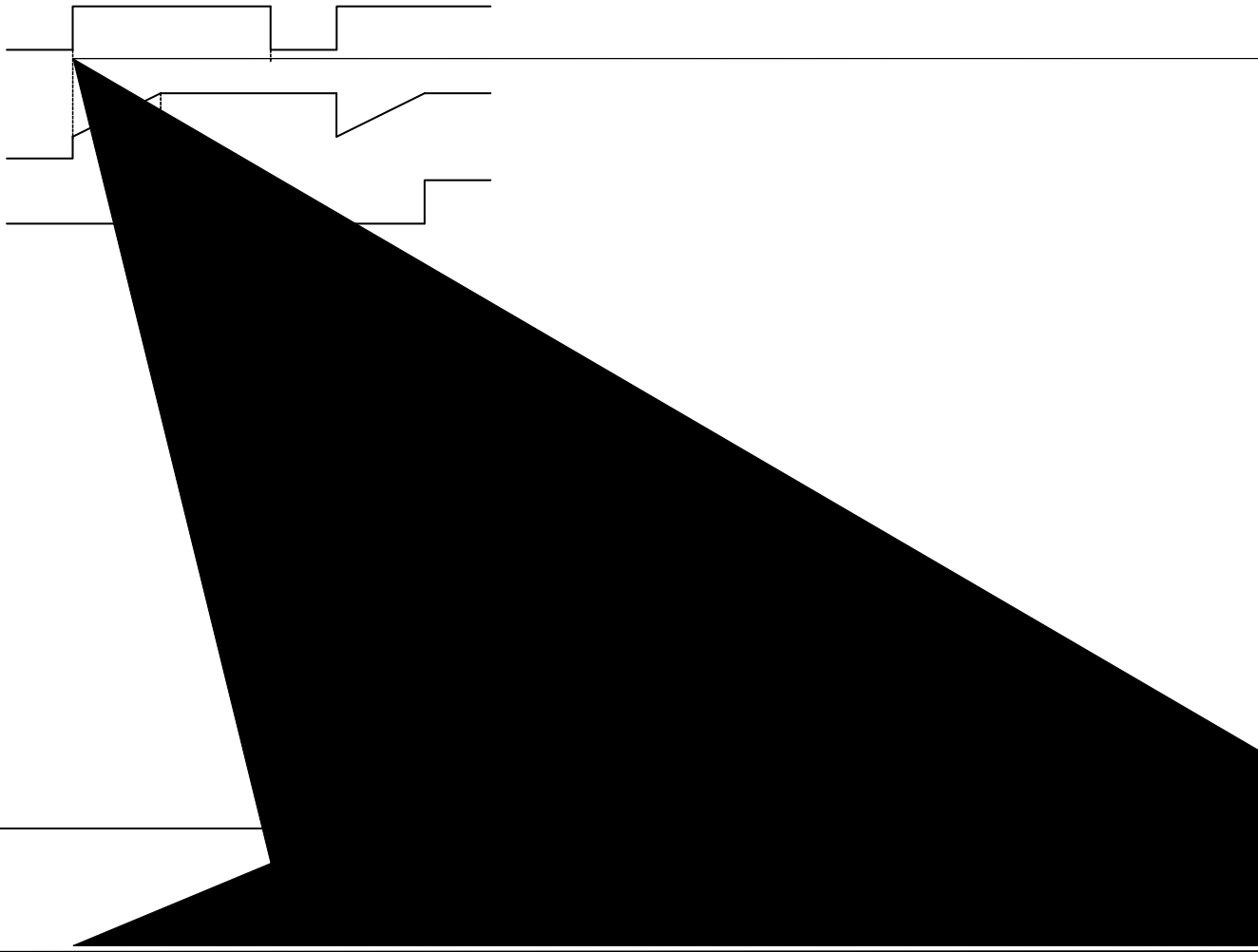
D2

S2 ***D1***

D2

D1

D1 ***S1***



6.11.3 HACK E

														MC200	MC100
		H				S2		D1		S3				12	

S1

S2

D1

S3 S

D2

S

S1

pf

6.11.5 ABSD

ABSD *(S1)* *(S2)* *(D)* *(S3)*		**MC200 MC280**
ABSD *(S1)* *(S2)* *(D)* *(S3)*		**9**

6.11.6 DABSD

M0 ⊣ ⊢[DABSD D100 C200 Y3 8]		**MC200 MC280**
DABSD *(S1) (S2) (D) (S3)*		**11**

S1

S2

D

S3 ***S3***

S1

S2 EÃ *Eðw \ •0@5A™ð ™€ !rB €

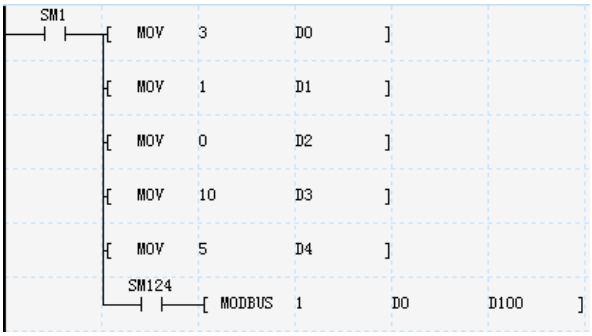
S1 ***S1*** ***S1***

S1

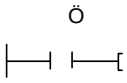
S1 ***S1*** ***S1*** ***S1***

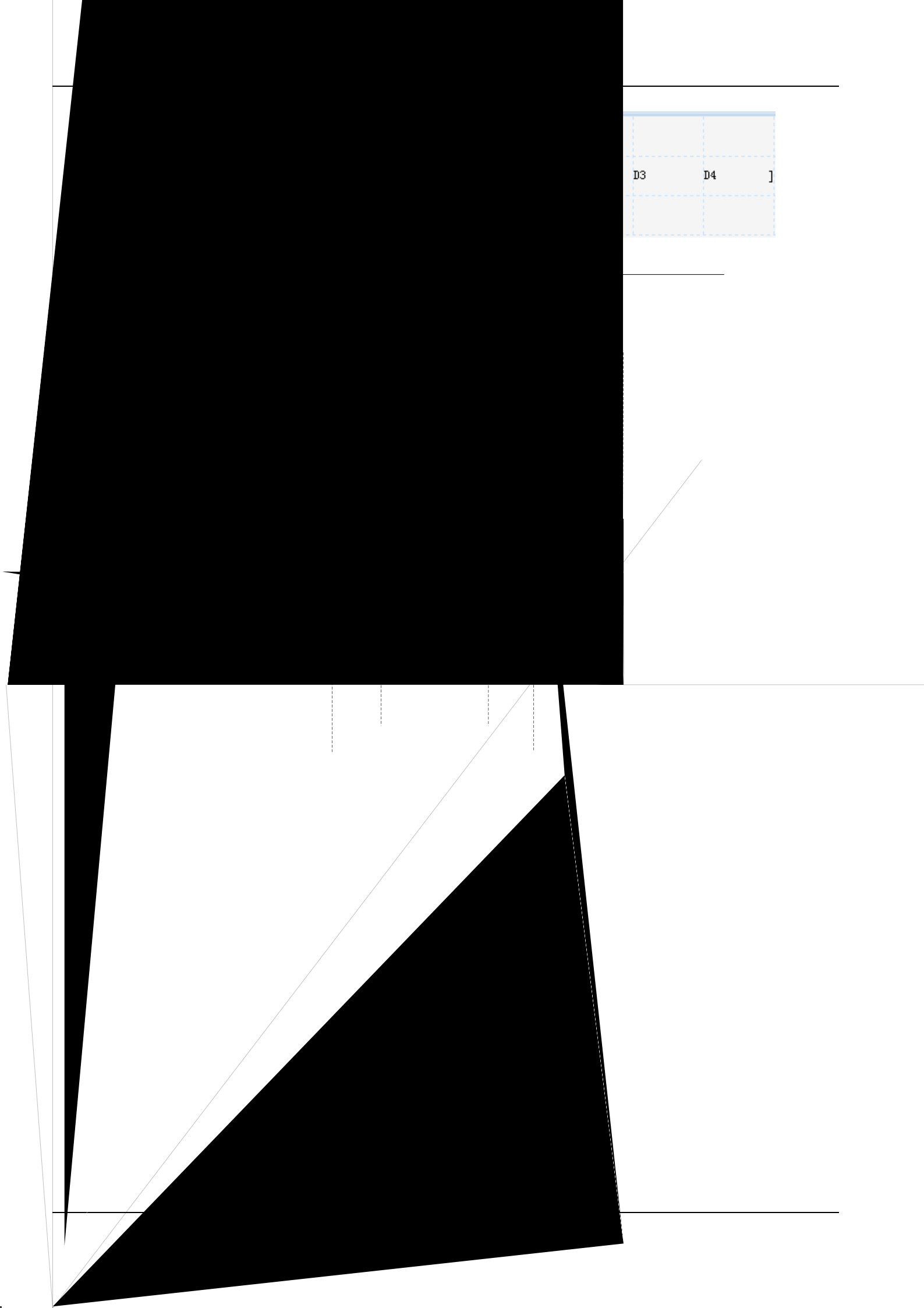
h áz`û ‘ ð ™€ –4Dö•h á áF§r Á‰‘,´ O ’ð ™˜ &$E8D Hà á »ó‘ Ÿ ™˜ Q(8—d@ ` jEÃ \0, E79 éSh•à

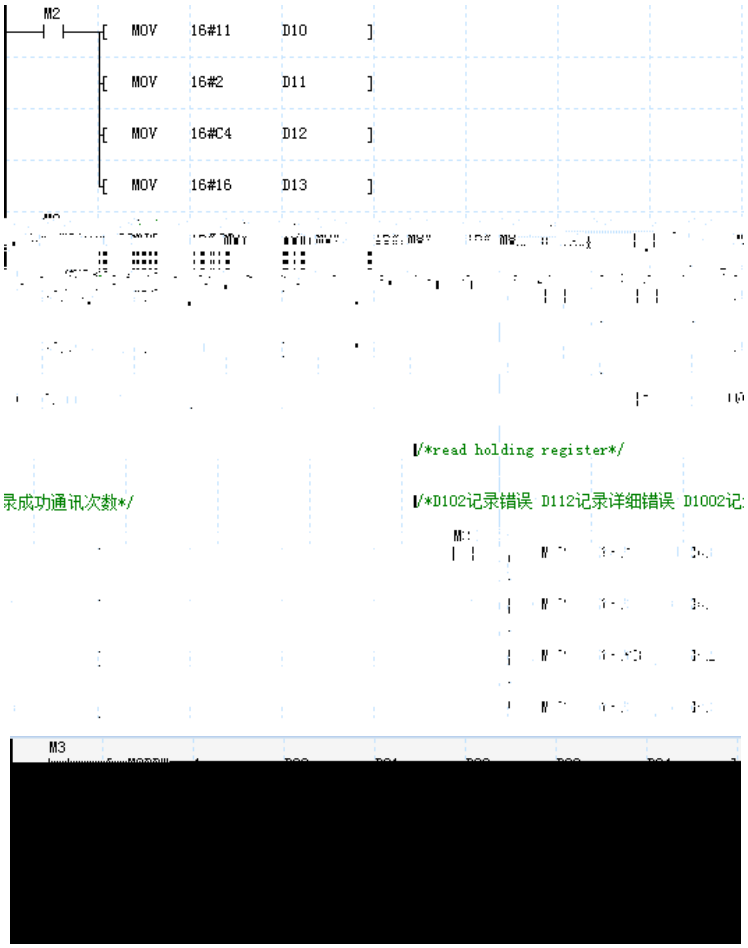
S1 ***S1***		***S1*** ***S1***		***D***
S1 ***S1***		***S1*** ***S1***		***D***
S1 ***S1***		***S1*** ***S1***		***D***
S1 ***S1***		***S1*** ***S1***		

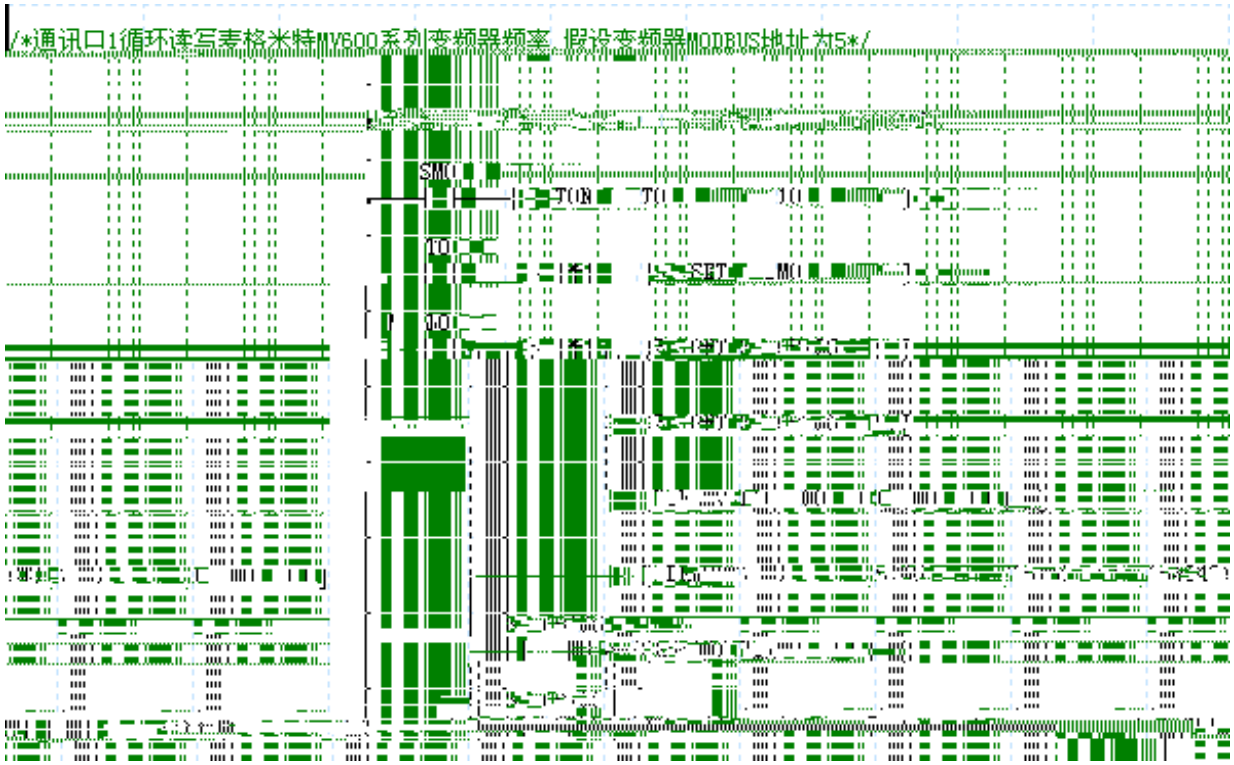

SM1
MOV 3 D0
MOV 1 D1
MOV 0 D2
MOV 10 D3
MOV 5 D4
SM124
MODBUS 1 D0 D100

6.12.2 MODRW MODBUS

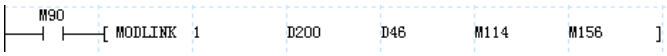



D3
D4
]


M2
MOV 16#11 D10
MOV 16#2 D11
MOV 16#C4 D12
MOV 16#16 D13
/*read holding register*/
录成功通讯次数*/
/*D102记录错误 D112记录详细错误 D1002记
M3


/*通讯口1循环读写麦格米特MV600系列变频器频率，假设变频器MODBUS地址为5*/
SM0
TON
SBT

6.12.3 Modlink MODBUS



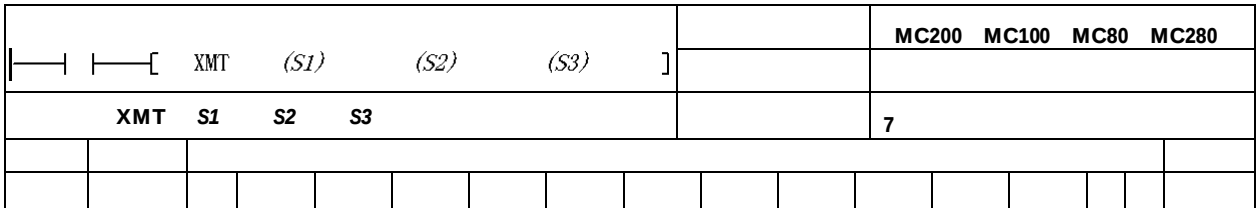
MC100 3t000 MC2



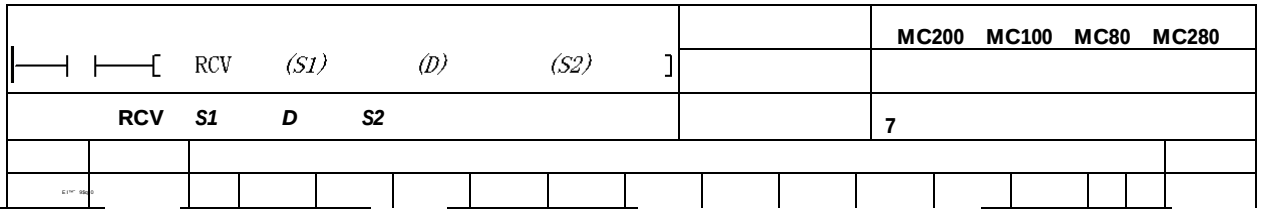

```
M4    SM124
|-----|-----[ MODLINK  1  D6000  D6500  M1000  M270  ]

M5    SM124
|-----|-----[ MODLINK  1  D4000  D4500  M1100  M370  ]
```


6.12.4 XMT

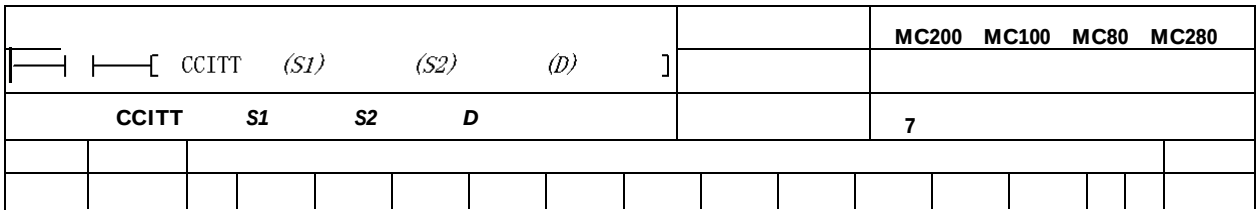


6.12.5 RCV



6.13

6.13.1 CCITT



6.13.3 LRC

	MC200	MC100	MC80	MC280
LRC (S1) (S2) (D)				
LRC S1 S2 D	7			

S1

S2 ***S2***

D

S1 ***S2***

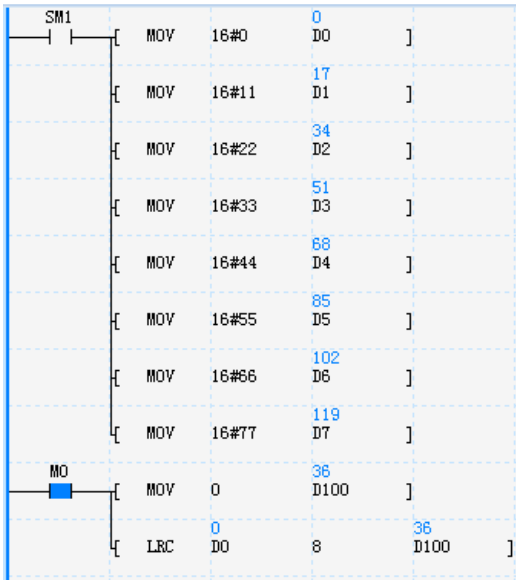
D

D

D

S2

D



6.14

6.14.1 ZRST

	MC200	MC100	MC80	MC280
ZRST (D) (S)				
ZRST D S	5			

D

S

D ***S***



6.14.2 ZSET

ZSET (D) (S)		MC200 MC100 MC80 MC280
ZSET D S		5
		√
		√

D

S



D ***S***

6.14.3 DMCO

DECO (S) (D)		MC200 MC100 MC80 MC280
DMCO S D		5

S ***S***

D ***S*** ***D***

D

S



6.14.4 ENCO

6.15.4 BANI ANI

BLDI (S1) (S2)		MC200 MC100 MC80 MC280
BANI S1 S2		5

S1

S -¸ n ù " S ü

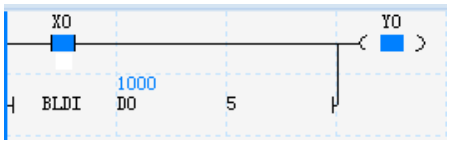
•Ґó´´"!• G™ ™ð ™€ 'D Ra' ˜ ñv ™ð ™€ 'Yba' €Hï¿ ™ð ™€ •T!` 0

6.15.6 BORI ORI

BLDI (S1) (S2)		MC200 MC100 MC80 MC280
BORI ***S1*** ***S2***		**5**

S1

S2 ***S2*** 0 V I Õ ÿ V I Õ &Cñy



S1 ***S2***

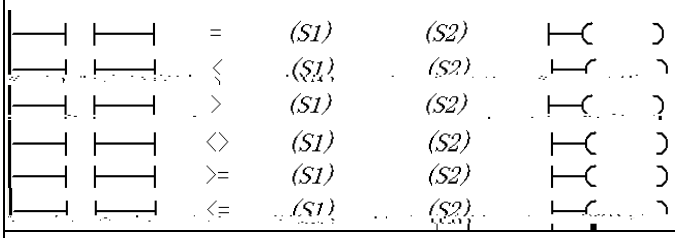
6.15.7 BOUT

[BOUT (D) (S)]		MC200 MC100 MC80 MC280
BOUT ***D*** ***S***		**5**

6.15.8 BSET

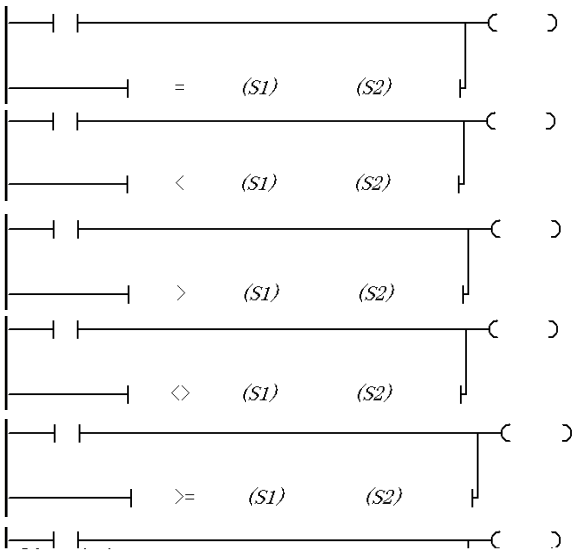


6.16.2 AND = < > <> >= <= AND

		MC200 MC100 MC80 MC280
		
AND S1 S2 **AND S1 S2** **AND S1 S2** **AND S1 S2** **AND S1 S2** **AND S1 S2**		**5**

6.16.3 OR = < > <> >= <= OR

MC200 MC100 MC80 MC280

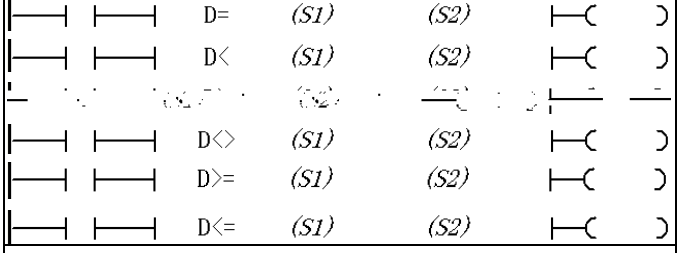


(S2) ! < (S1)

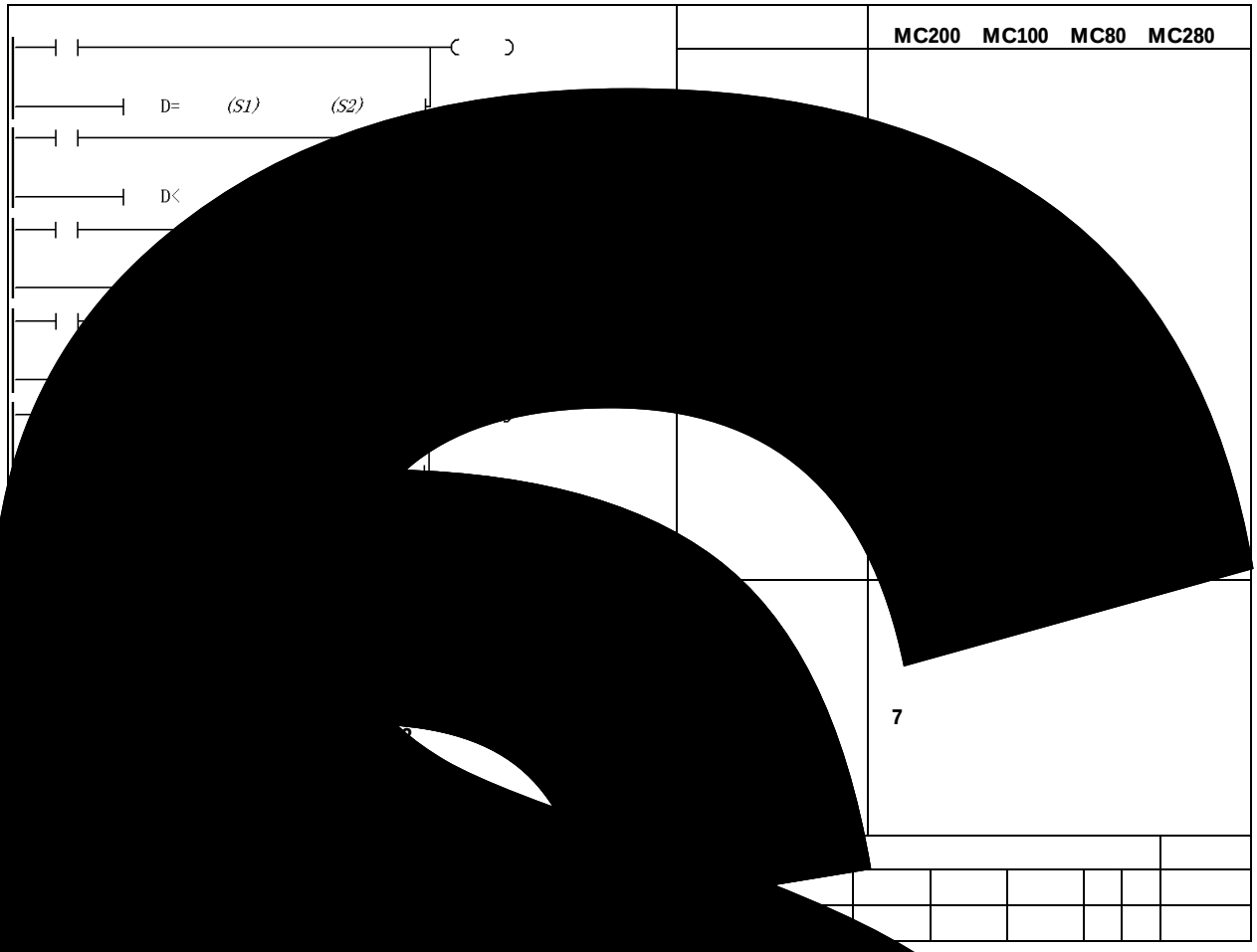
6.16.4 LDD = < > <> >= <= LDD

	MC200 MC100 MC80 MC280

6.16.5 ANDD = < > <> >= <= ANDD

		**MC200 MC100 MC80 MC280**
ANDD S1 S2 **ANDD S1 S2** **ANDD S1 S2** **ANDD S1 S2** **ANDD S1 S2** **ANDD S1 S2**		**7**

6.16.6 ORD = < > <> >= <= ORD



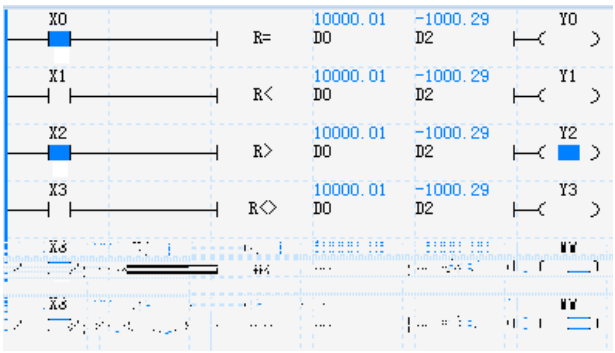
6.16.8 ANDR

R= (S1) (S2) R< (S1) (S2) R> (S1) (S2) R<> (S1) (S2) R>= (S1) (S2) R<= (S1) (S2)		**MC200 MC100 MC280**
ANDR S1 S2 **ANDR S1 S2** **ANDR S1 S2** **ANDR S1 S2** **ANDR S1 S2** **ANDR S1 S2**		**7**

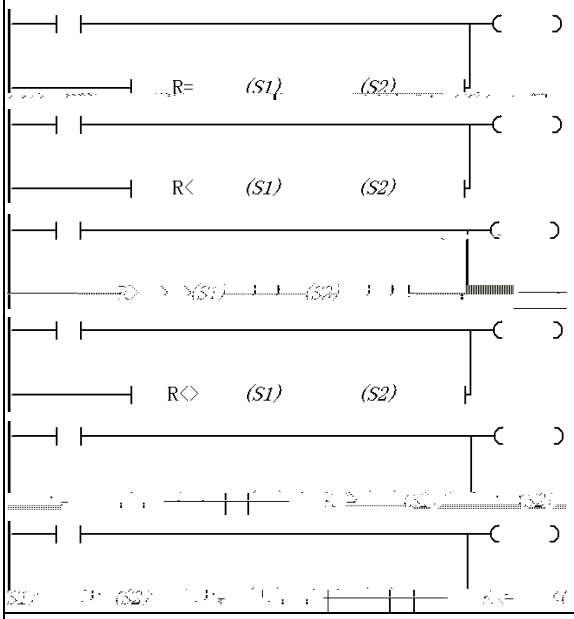
S1

S2

S1 S2



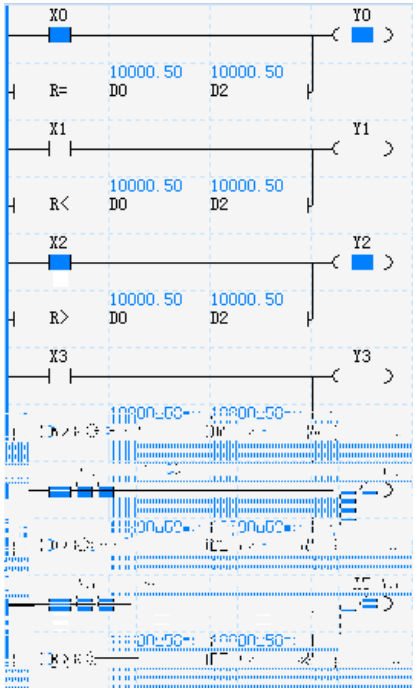
6.16.9 ORR

		**MC200 MC100 MC280**
ORR S1 S2 **ORR S1 S2** **ORR S1 S2** **ORR S1 S2** **ORR S1 S2** **ORR S1 S2**		**7**

S1

S2

S1 S2



6.16.10 CMP

[CMP S1 S2 D]		MC200 MC280
CMP S1 S2 D		7

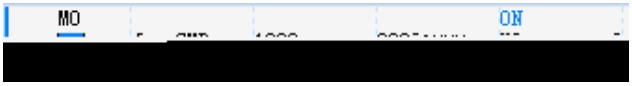
S1 S2

D D D ¦]0Zj

S1

S2

D



6.16.11 LCMP

[LCMP S1 S2 D]		MC200 MC280
LCMP S1 S2 D		9

S1

S2

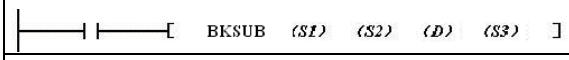
D

S1 S2

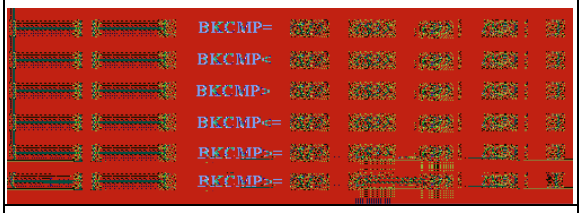
6.16.12 RCMP Б s k . l̲ ě < s

⊢⊣ ⊢⊣[RCMP *S1* *S2* *D*]		MC200 MC280
RCMP *S1* *S2* *D*		9

6.17.2 BKSUB

		MC280
BKSUB ***(S1) (S2) (D) (S3)***		**9**

6.17.3 BKCMP=,>,<,<>,<=,>=

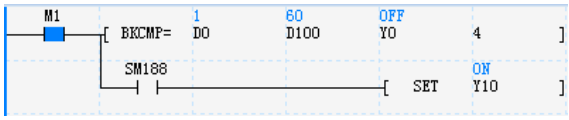
		**MC280**
BKCMP=,>,<,<>,<=,>= ***(S1) (S2) (D) (S3)***		**9**

S1

S2

D

S3:



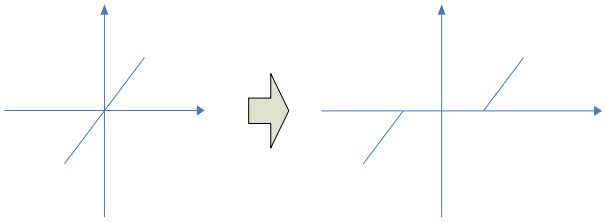
6.18

6.18.1 LIMIT

		MC280
[redacted]		
LIMIT ***(S1) (S2) (S3) (D)***		**9**

6.18.2 DBAND

DBAND (S1) (S2) (S3) (D)		MC280
DBAND (S1) (S2) (S3) (D)		**9**



S1

S2

S3

D:



LD M1

DBAND D0 D10 D100 D1000

6.18.3 ZONE

ZONE (S1) (S2) (S3) (D)		MC280
ZONE (S1) (S2) (S3) (D)		**9**

S1

S2

S3

D:

ZONE D0 D10 D100 D1000



LD M1

6.18.4 SCL

SCL (S1) (S2) (D)		**MC280**
SCL *(S1)* *(S2)* *(S3)* *(D)*		**7**

S1

S2

D:

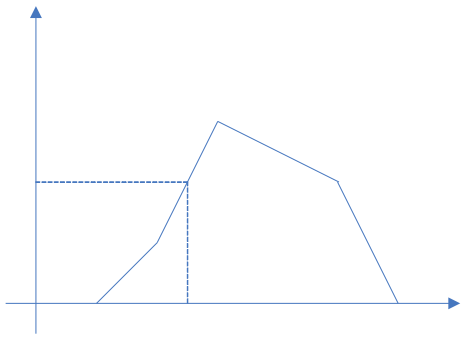


LD M1

SCL D10 D100 D1000

		D100	5

		S2



6.18.5 SER

SER (S1) (S2) (D) (S3)															
SER *(S1) (S2) (S3) (D)*															

MC280

9

S1 **)**

S2 ¦ 65 @1 F ™€ 8^SV•J` 65 g¿•y/ ™˜ ^…5h ¦ 65 w$•y/&

D

S3: ***S3***

6.19

6.19.1 STRADD



6.19.2 STRLEN

		**MC280**
STRLEN ***S*** ***D***		**5**

6.19.3 STRRIGHT

[redacted]		MC280
STRRIGHT ***S1*** ***D*** ***S2***		**7**

S1

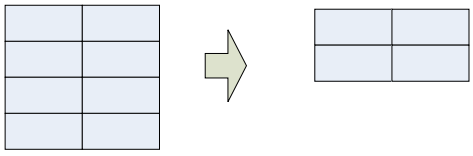
D

S2



LD M1

STRRIGHT D10 D100 3



6.19.4 STRLEFT

		**MC280**
STRLEFT ***S1*** ***D*** ***S2***		**7**

S1

D

S2

6.19.5 STRMIDR

		**MC280**
STRMIDR ***S1*** ***D*** ***S2***		**7**

6.19.6 STRMIDW

		**MC280**

STRMIDW ***S1*** ***D*** ***S2*** **7**

6.19.7 STRINSTR

[STRINSTR (S1) (S2) (D) (S3)]		MC280
STRINSTR ***S1*** ***S2*** ***D*** ***S3***		**9**

S1

S2

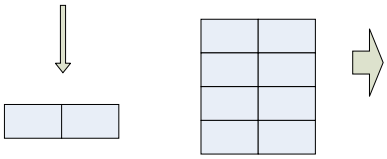
D

S3:



LD M1

STRINSTR “45” D10 D100 2

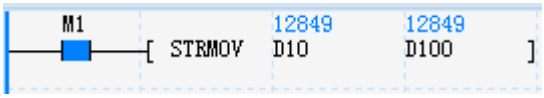


6.19.8 STRMOV

STRMOV (S) (D)		MC280
STRMOV (S) (D)		5

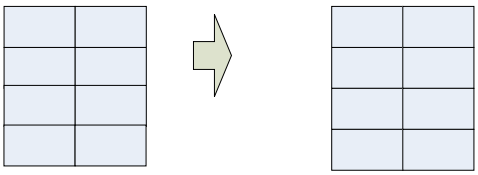
S

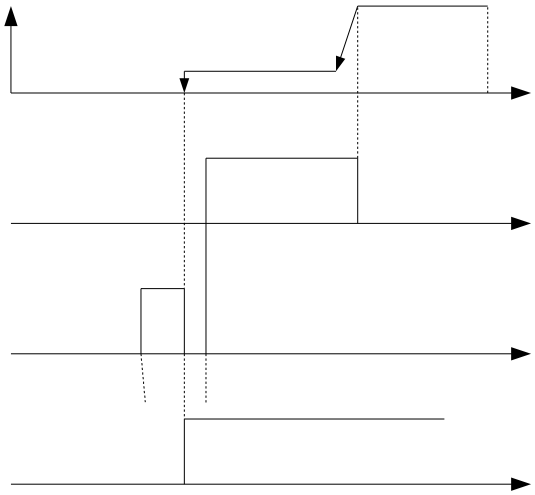
D:



LD M1

STRMOV D10 D100





6.20.3 DRVI

⊣⊢ ⊢[DRVI (S1) (S2) (D1) (D2)]		MC200 MC100 MC80 MC280
DRVI S1 S2 D1 D2		11

$\sqrt{}$

S1

S2

D1

D2 ***S1***

S1

S1

S1

S1

SD84 SD87
SD85
SD84 0
0 0

SD84
PLC SD84
100

SD80/SD82
SD80/SD82 SD80/SD82
SM82/SM83
SD80/SD82
Y0/Y1
SD50/SD52 PLC
SD50/SD52

SD80/SD82

SD MC100 MC200/MC280
SD MC100

μ ϕ β Ͻ ΨΨ̄ βW ą Ψ

6.20.4 DRVA

S1

S2

D1

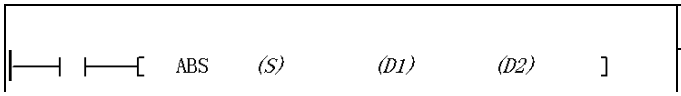
D2

D2 ***D2***

S1

S1

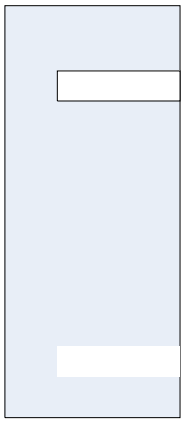
6.20.5 ABS



	MC200 MC100 MC280

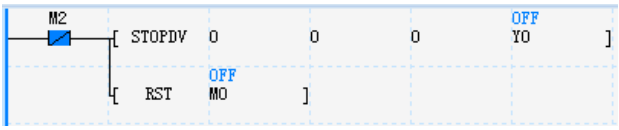
ABS ***S*** ***D1*** ***D2***

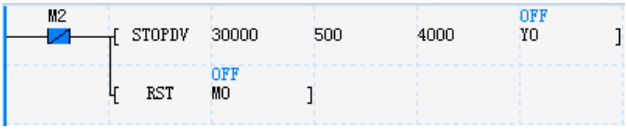
ABS











6.20.8 LIN

LIN (S) (D1) (D2) (D3) (D4)		MC280
LIN S D1 D2 D3 D4		12

S

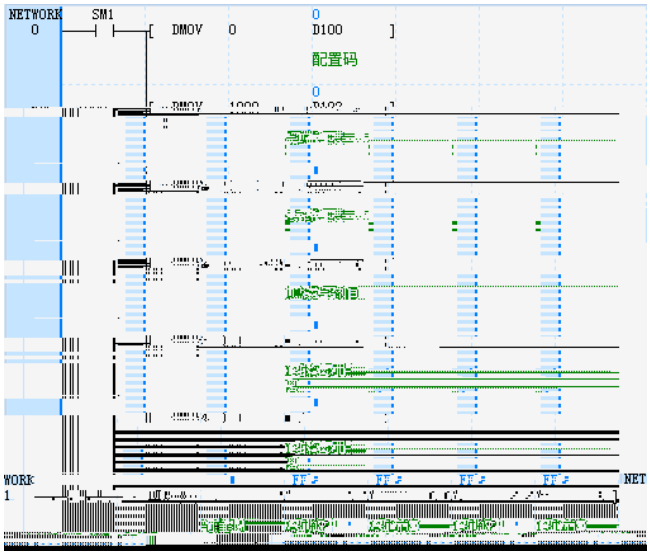
D1

D2

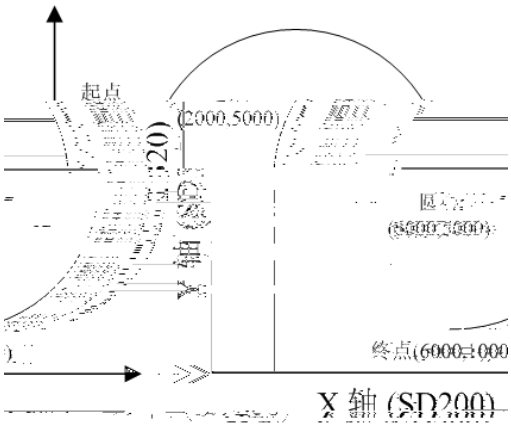
D3

D4

D1 ***D3***



6.20.9 CW





6.20.10 CCW

CCW (S) (D1) (D2) (D3) (D4)		MC280
CCW S D1 D2 D3 D4		12

S

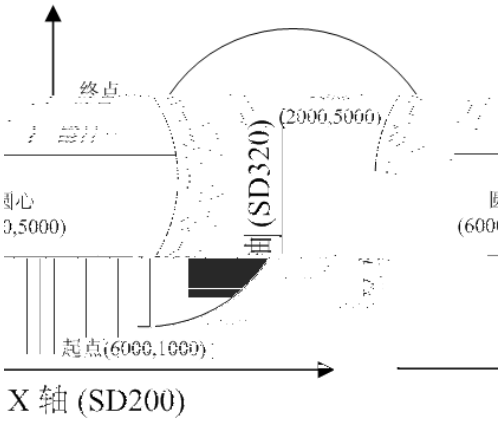
D1

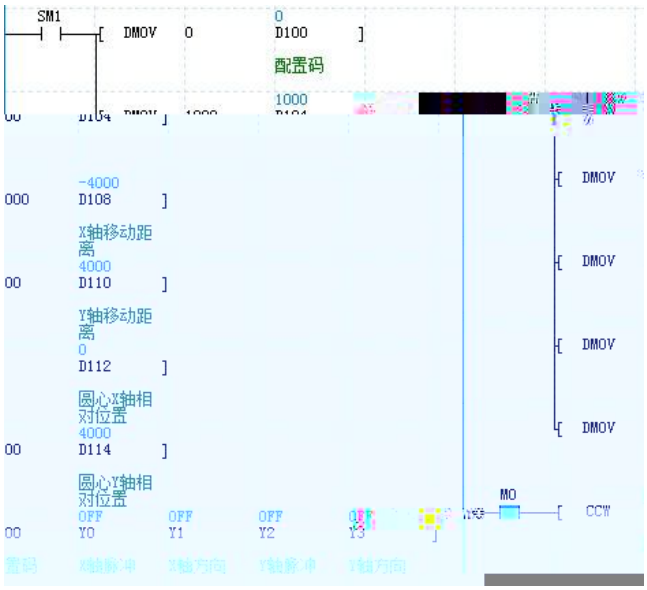
D2

D3

D4

D1 ***D3***


终点
(2000,5000)
(SD320)
起点(6000,1000)
X 轴 (SD200)


SM1
DMOV
0
D100
配置码
1000
-4000
D108
X轴移动距离
4000
D110
X轴移动距离
0
D112
圆心X轴相对位置
4000
D114
圆心X轴相对位置
OFF
Y0
Y1
Y2
M0
CCW

6.20.11 MOVELINK

MOVELINK *(S1) (S2) (S3) (S4) (S5) (S6)*		MC280
MOVELINK *S1 S2 S3 S4 S5 S6*		17

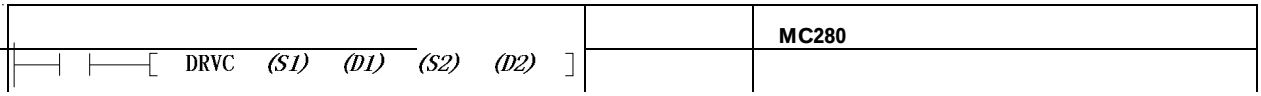


6.20.12 GEARBOX

GEARBOX *(D1)* *(S1)* *(D2)* *(S2)*		**MC280**

GEARBOX ***D1***

6.20.13 DRVC



DRVC (S1) (D1) (S2) (D2)

6.20.14 CAMTABLE

├──[CAMTABLE S1) S2) S3) S) S5)]		MC280
CAMTABLE (S1) (S2) (S3) (S4) (S5)		**11**

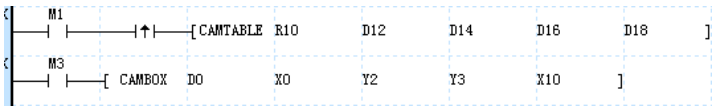
S1:

S2:

S3:

S4:

S5:



6.20.15 CAMBOX

├──[CAMBOX S1) D1) D2) D3) D)]		MC280
CAMBOX (S1) (D1) (D2) (D3) (D4)		**9**

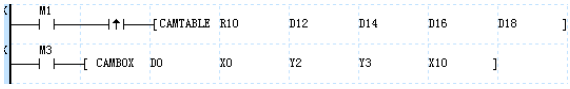
S1

D1

D2

D3

D4



6.21

6.21.1 MEAN

MEAN (S1) (D) (S2)		MC280
MEAN (S1) (D) (S2)		7

S1

S2

D



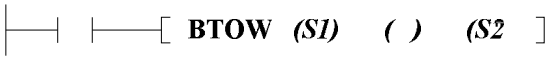
A[˜!™? ™€TE„0 6

6.21.2 WTOB

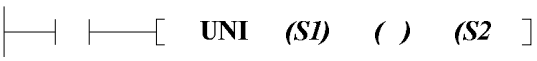
WTOB (S1) (D) (S2)		MC280
WTOB (S1) (D) (S2)		7



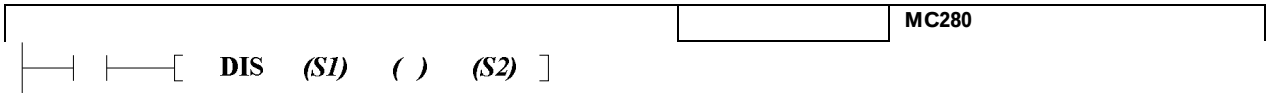
6.21.3 BTOW



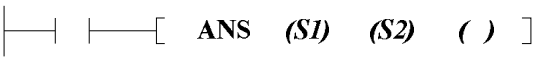
6.21.4 UNI



6.21.5 DIS

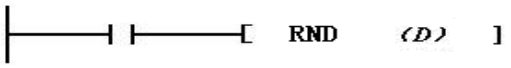


6.21.6 ANS

		MC280
(*S1*) (*S2*) (*D*)		7

6.22

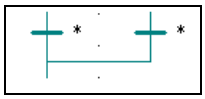
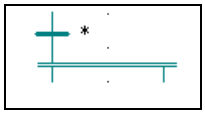
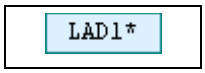
6.22.1 RND

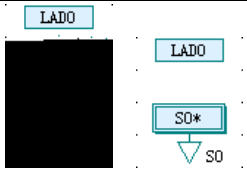
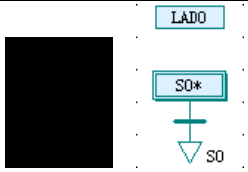
		MC280
RND *D*		3

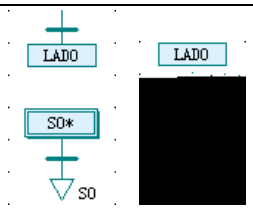
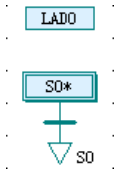
D

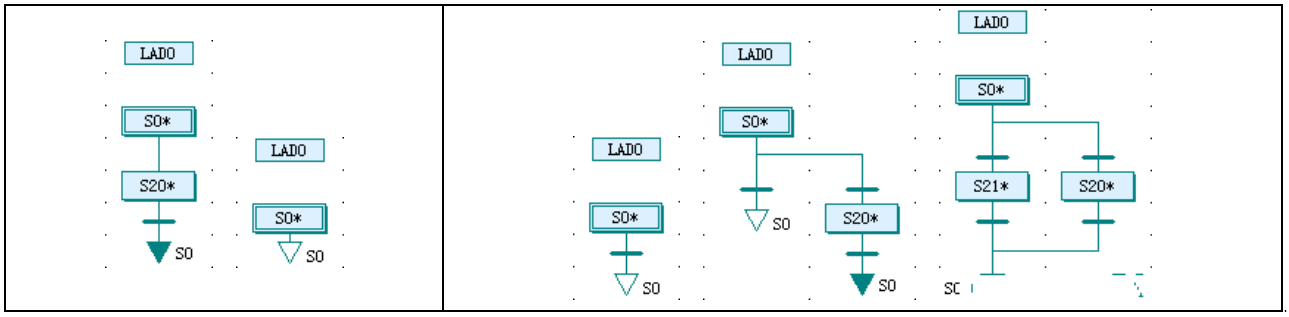


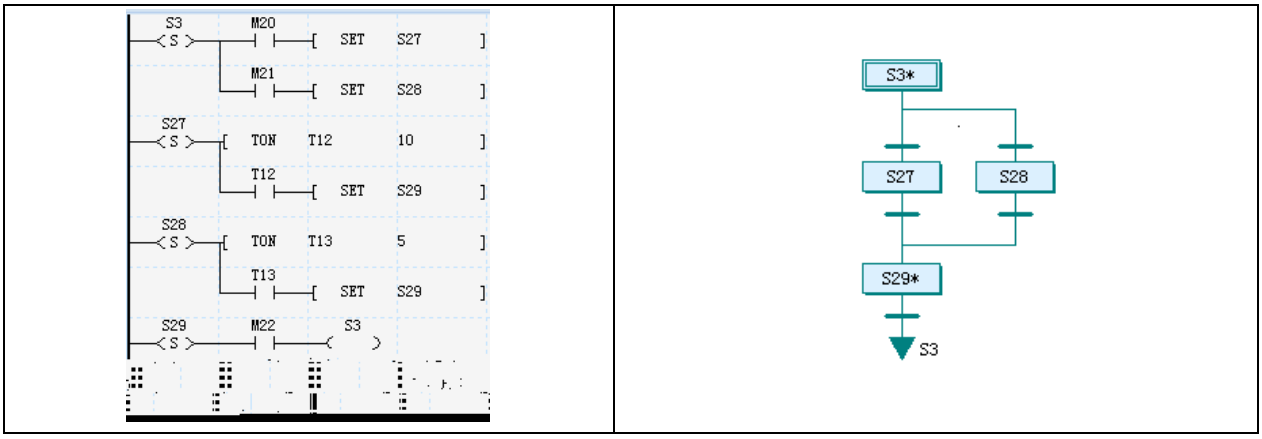
Â

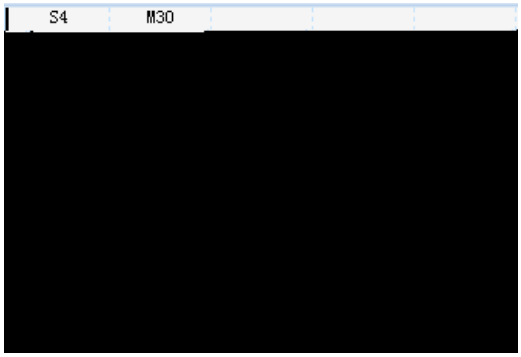
		
	 S0	
	 S0	
		
	 * *	
	 *	
	 *	
	 LAD1*	

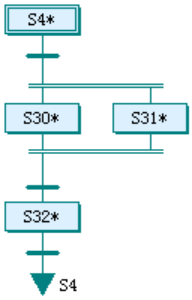
 LAD0 LAD0 S0* S0	 LAD0 S0* S0

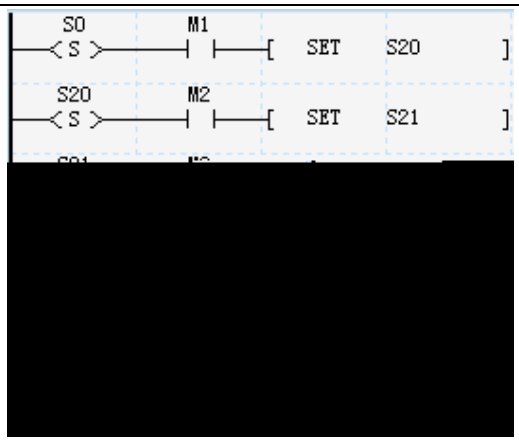
 LAD0 S0* S0 LAD0	 LAD0 S0* S0

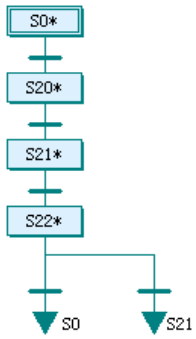

LADO
S0*
S20*
S0
LADO
S0*
S0
LADO
S0*
S0
LADO
S0*
S0
S20*
S0
LADO
S0*
S21*
S20*

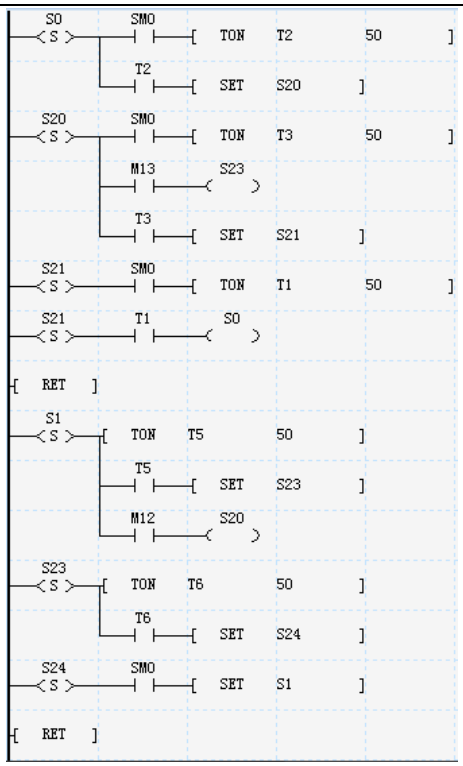

S3
M20
SET S27
M21
SET S28
S27
TON T12 10
T12
SET S29
S28
TON T13 5
T13
SET S29
S29
M22
S3
S3*
S27
S28
S29*
S3

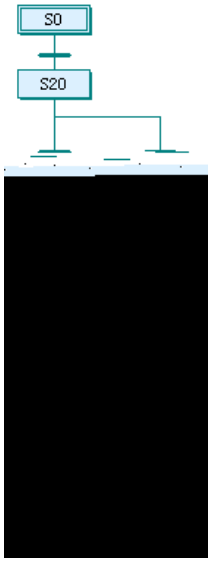

S4
M30

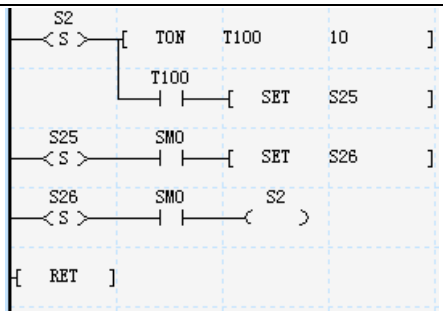

S4*
S30*
S31*
S32*
S4


S0
M1
S
SET
S20
S20
M2
S
SET
S21

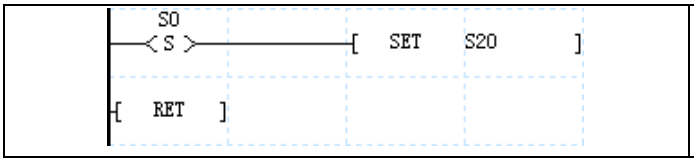

S0*
S20*
S21*
S22*
S0
S21

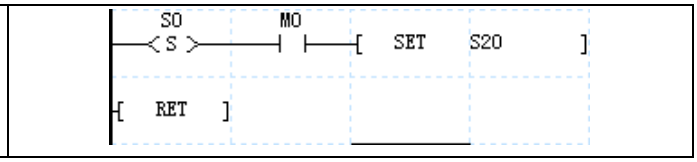

S0
SM0
TON
T2
50
T2
SET
S20
S20
SM0
TON
T3
50
M13
S23
T3
SET
S21
S21
SM0
TON
T1
50
S21
T1
S0
RET
S1
TON
T5
50
T5
SET
S23
M12
S20
S23
TON
T6
50
T6
SET
S24
S24
SM0
SET
S1
RET

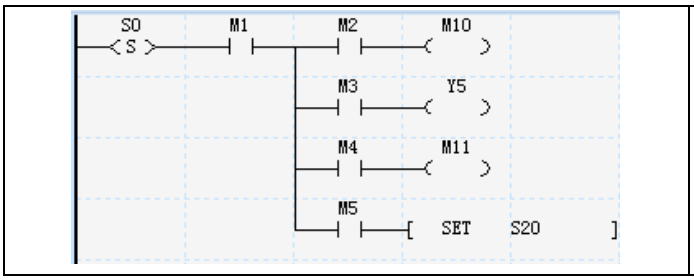

S0
S20

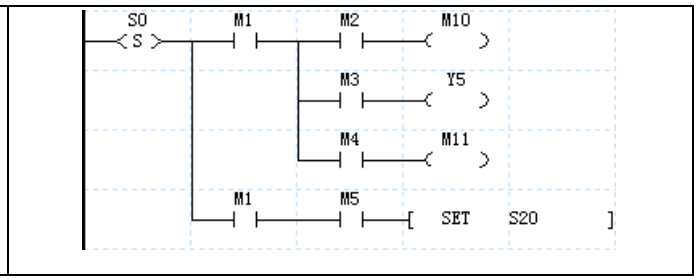

S2
S
TON
T100
10
T100
SET
S25
S25
S
SM0
SET
S26
S26
S
SM0
S2
RET

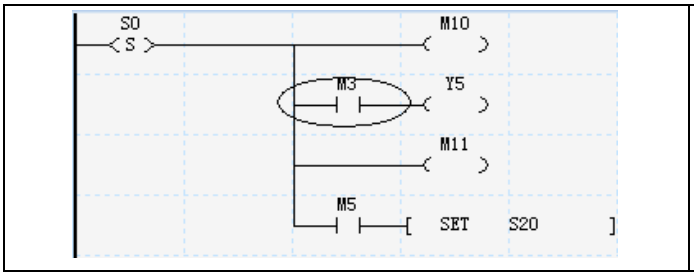

S2
S25*
S26*
S2

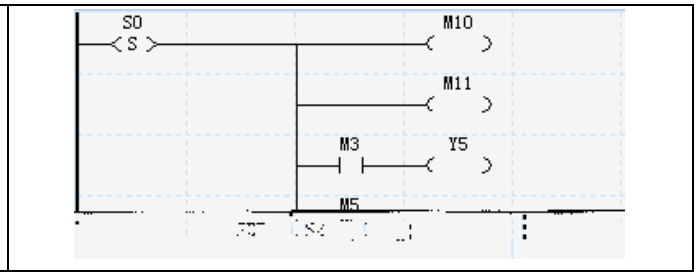

S0
S
SET S20
RET

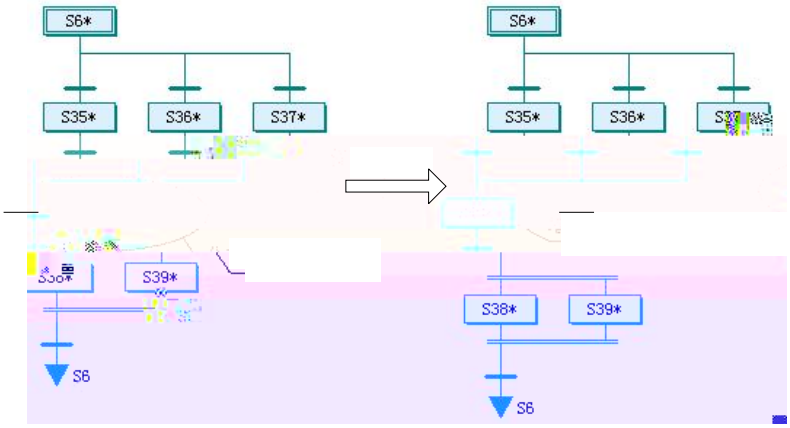

S0
S
M0
SET S20
RET

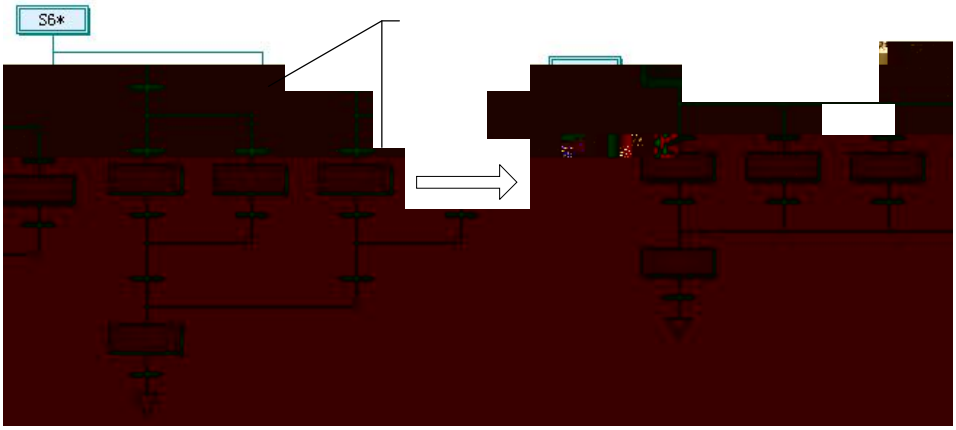

S0
S
M1
M2
M10
M3
Y5
M4
M11
M5
SET S20


S0
S
M1
M2
M10
M3
Y5
M4
M11
M1
M5
SET S20

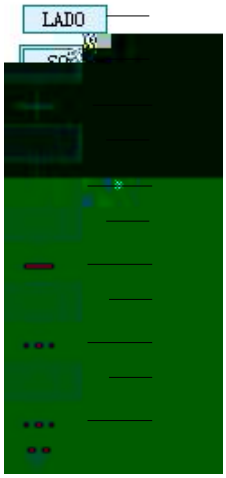

S0
S
M10
M3
Y5
M11
M5
SET S20


S0
S
M10
M11
M3
Y5
M5

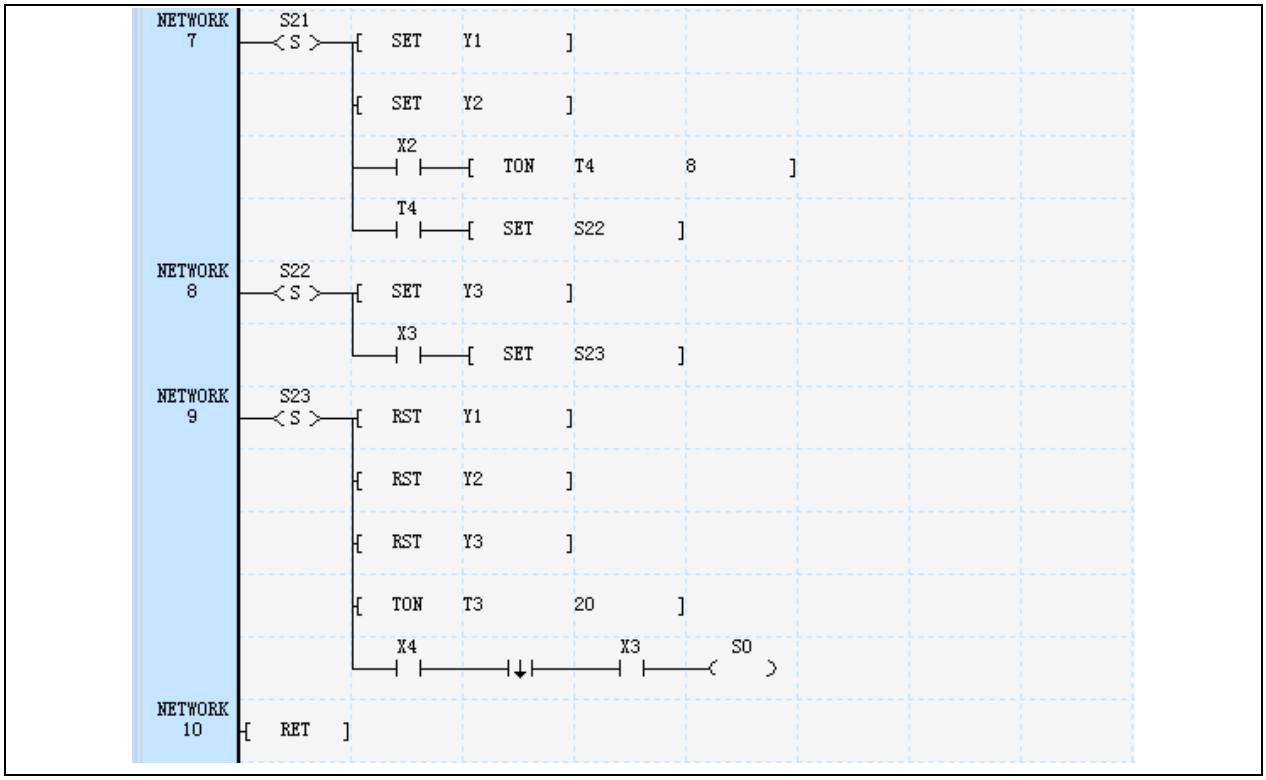

S6*
S35*
S36*
S37*
S6*
S35*
S36*
S38*
S39*
S6
S6


S6*

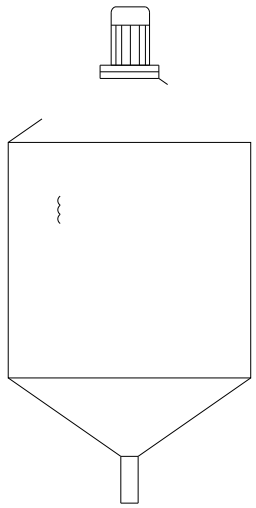
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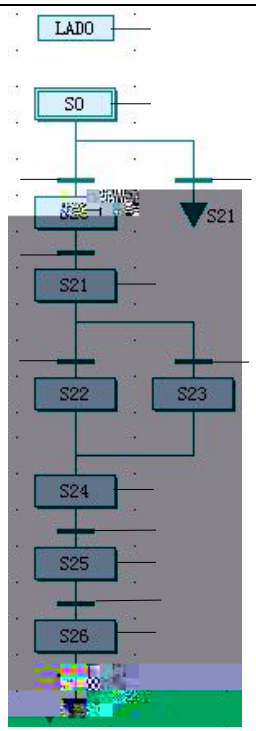



```
/*启动停止控制程序段*/
NETWORK 0   X5   X6   M0
NETWORK 1   M0   RST  Y0
NETWORK 2   M0   TON  T0   10
NETWORK 3   T0   SET  S0
                 SET  Y4
                 SET  Y5
NETWORK 4   X6   ZRST Y0   6
            X5   RST  S0
                 ZRST S20  4
/*顺序功能图程序段*/
NETWORK 5   S0   X0   S20  S21  S22  S23  SET  S20
NETWORK 6   S20  TON  T2   5
                 T2   Y0
                 X1   TON  T1   10
                 T1   SET  S21
```

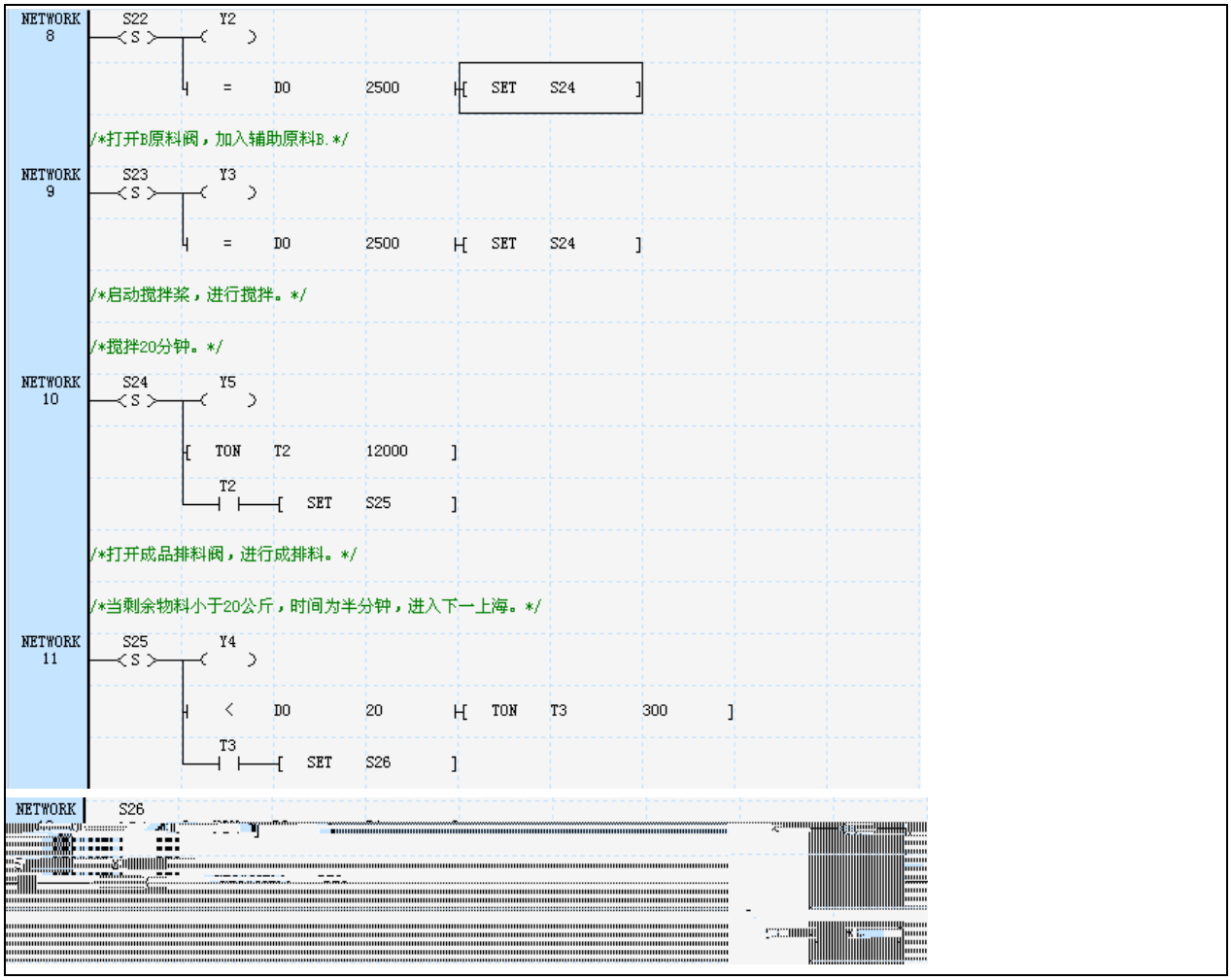

NETWORK 7
S21
S
SET Y1
SET Y2
X2
TON T4 8
T4
SET S22
NETWORK 8
S22
S
SET Y3
X3
SET S23
NETWORK 9
S23
S
RST Y1
RST Y2
RST Y3
TON T3 20
X4
X3
S0
NETWORK 10
RET

7.5.2

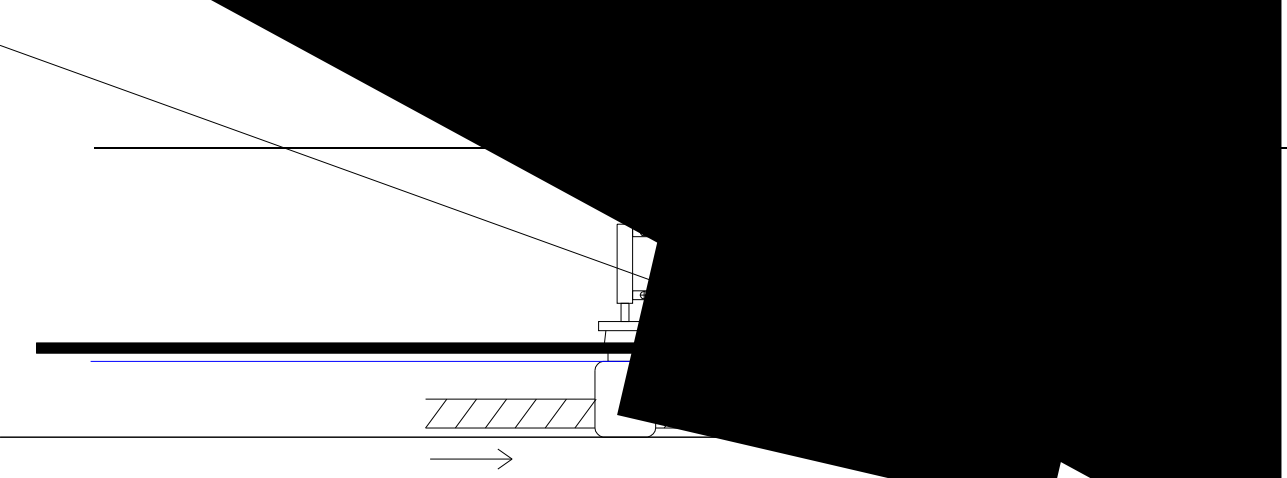


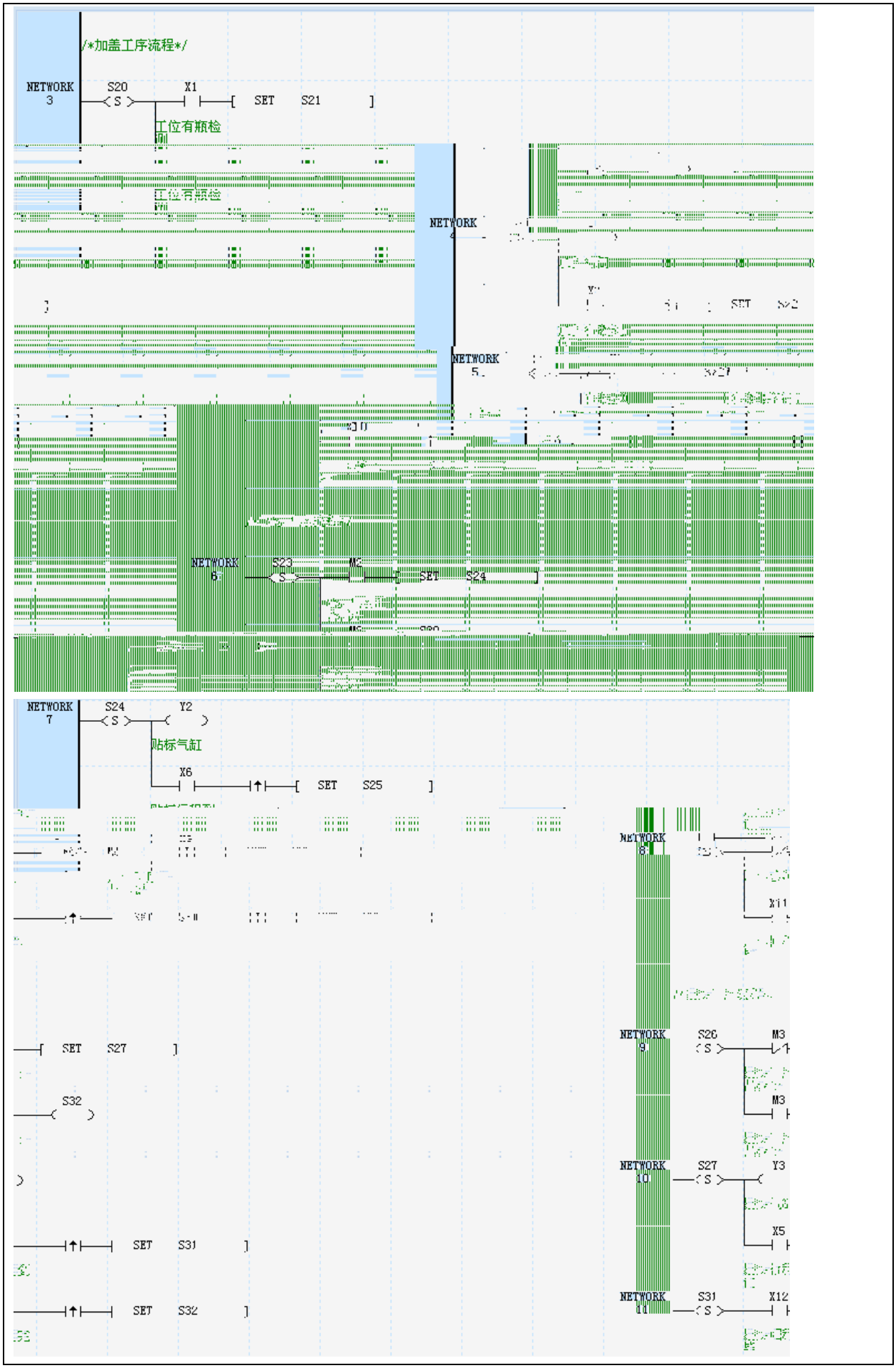

LADO
S0
S21
S21
S22
S23
S24
S25
S26

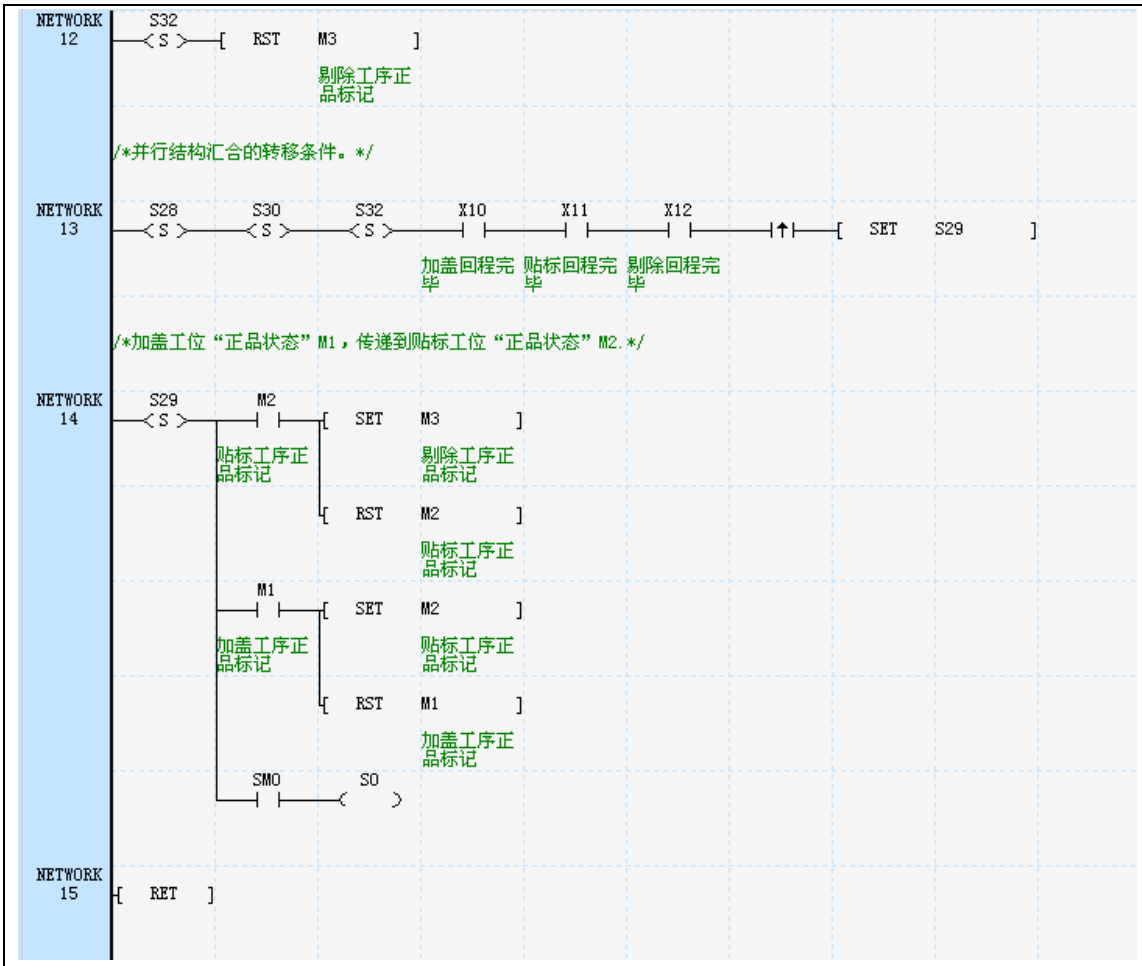

/*复位M1到M3.*/
/*D1为上一次产品标志，0代表A产品，1代表B产品*/
SM1
MOV 0 D1
MOV 0 D2
RST M3
NETWORK 0
动操作。*/
X0 X1 M3
M3
SET S0
NETWORK 1
NETWORK 2
止操作。*/
X0
ZRST M1 3
X1
RST S0
ZRST S20 7
ZRST Y0 6
NETWORK 3
NETWORK 4
/*产品选择操作*/
/*M1为人机界面屏幕操作位。*/
/*M2代表前后批次产品不同*/
NETWORK 5
S0
M1
D1 D2
SET M2
M2
SET S20
M2 S21
NETWORK 6
S20
Y0
Y4
TON T0 3000
T0
SET S21
/*打开主原料阀，加入主原料。*/
NETWORK 7
S21
Y1
= D0 2000
= D2 0
SET S22
= D0 2000
= D2 1
SET S23
/*打开A原料阀，加入辅助原料。*/


NETWORK 8
S22
Y2
S
=
D0
2500
SET
S24
/*打开B原料阀，加入辅助原料B.*/
NETWORK 9
S23
Y3
S
=
D0
2500
SET
S24
/*启动搅拌桨，进行搅拌。*/
/*搅拌20分钟。*/
NETWORK 10
S24
Y5
S
TON
T2
12000
T2
SET
S25
/*打开成品排料阀，进行成排料。*/
/*当剩余物料小于20公斤，时间为半分钟，进入下一上海。*/
NETWORK 11
S25
Y4
S
<
D0
20
TON
T3
300
T3
SET
S26
NETWORK
S26

7.5.3




/*加盖工序流程*/
NETWORK 3
S20
X1
SET S21
工位有瓶检
NETWORK 4
NETWORK 5
NETWORK 6
S23
M2
SET S24
NETWORK 7
S24
Y2
贴标气缸
X6
SET S25
NETWORK 8
X11
NETWORK 9
S26
M3
NETWORK 10
S27
Y3
X5
NETWORK 11
S31
X12
SET S27
S32
SET S31
SET S32


NETWORK 12
S32
S
RST M3
剔除工序正品标记
/*并行结构汇合的转移条件。*/
NETWORK 13
S28
S30
S32
X10
X11
X12
SET S29
加盖回程完毕
贴标回程完毕
剔除回程完毕
/*加盖工位“正品状态”M1，传递到贴标工位“正品状态”M2.*/
NETWORK 14
S29
M2
SET M3
贴标工序正品标记
剔除工序正品标记
RST M2
贴标工序正品标记
M1
SET M2
加盖工序正品标记
贴标工序正品标记
RST M1
加盖工序正品标记
SM0
S0
NETWORK 15
RET

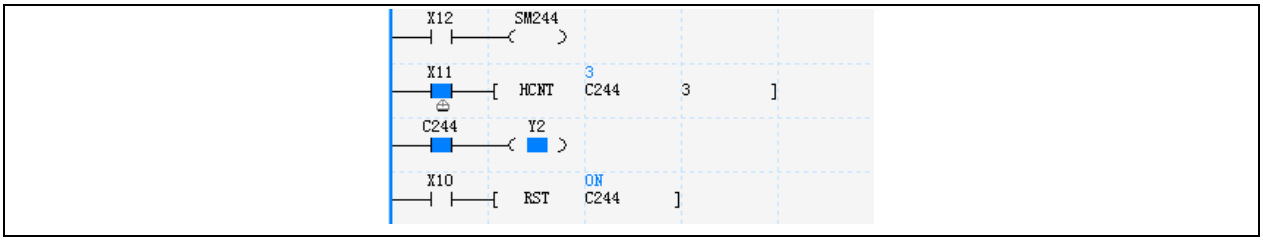
[redacted]

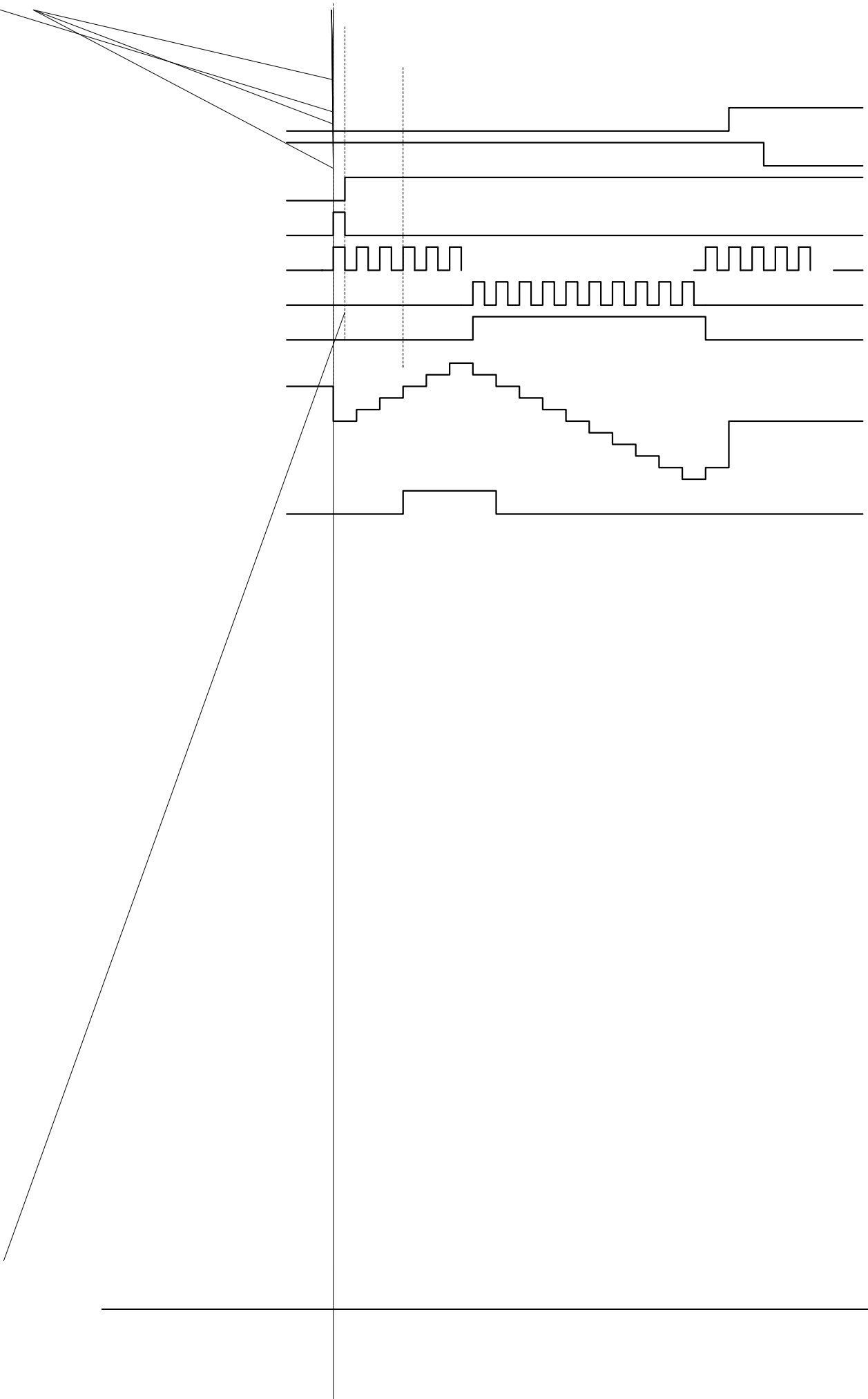
[redacted]	3	X4	X5	X6	X7	kHz		
						MC280	MC200	MC100

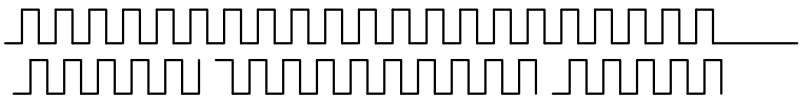
[redacted]

MC100	MC280
√	√
√	√
	√
	√
	√

8.1.4





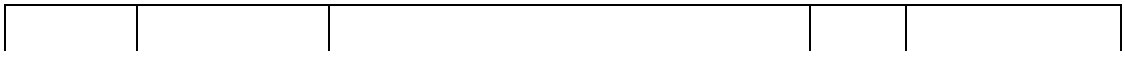


8.1.5 MC200 MC100

8.2

	SM

8.3



9.1

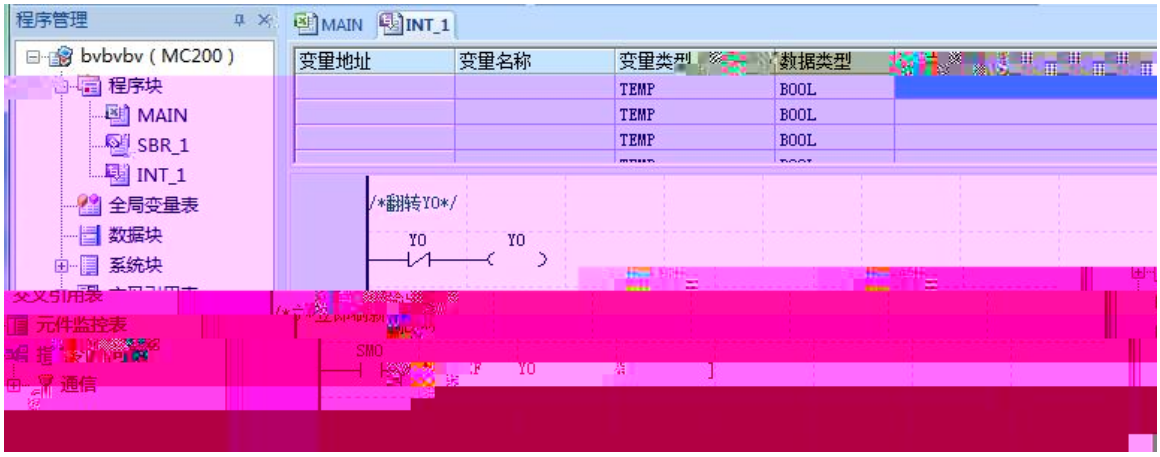
		SM			SM

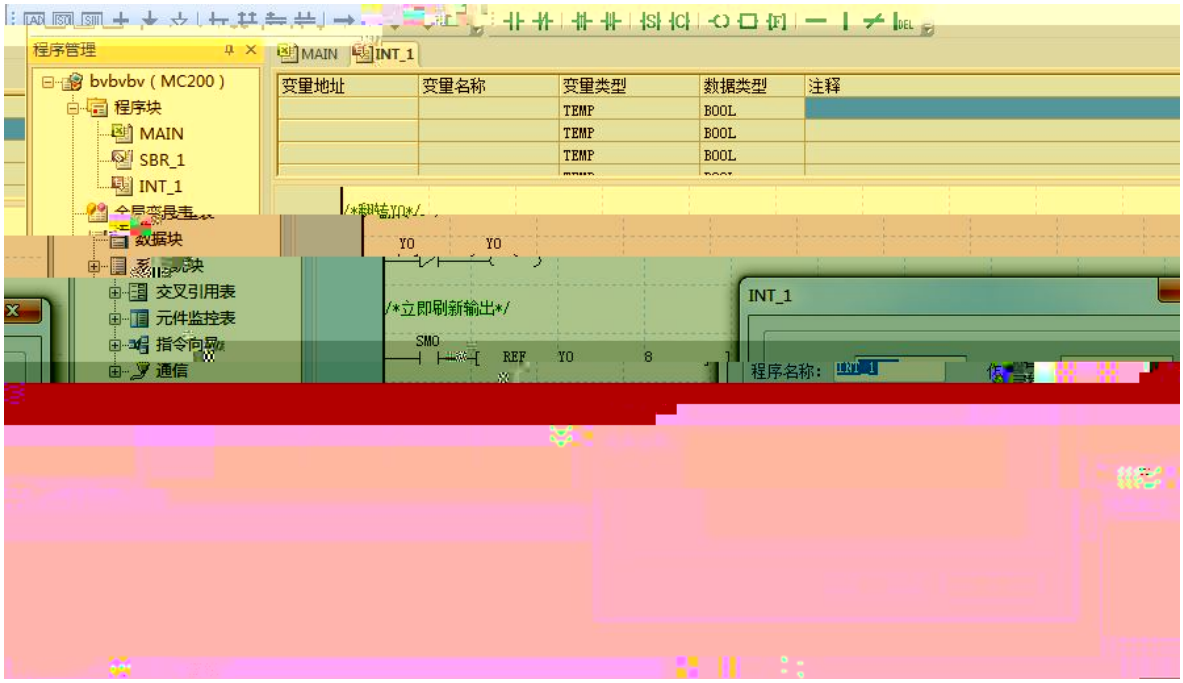
9.2

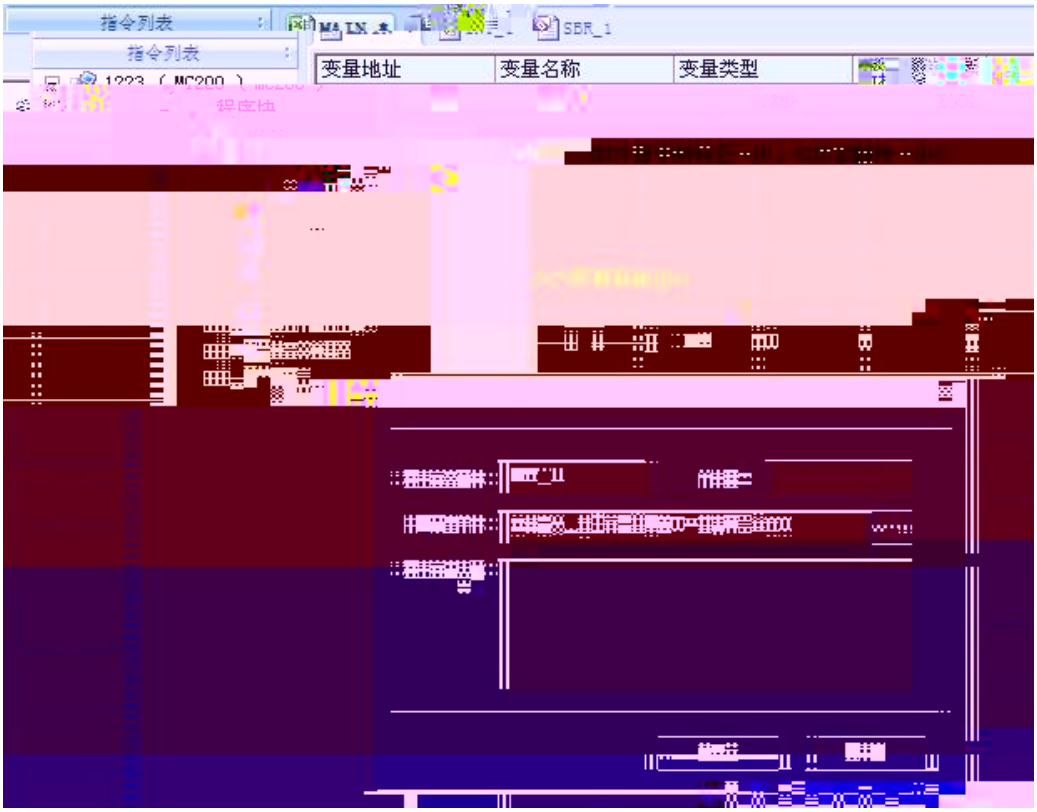
9.3

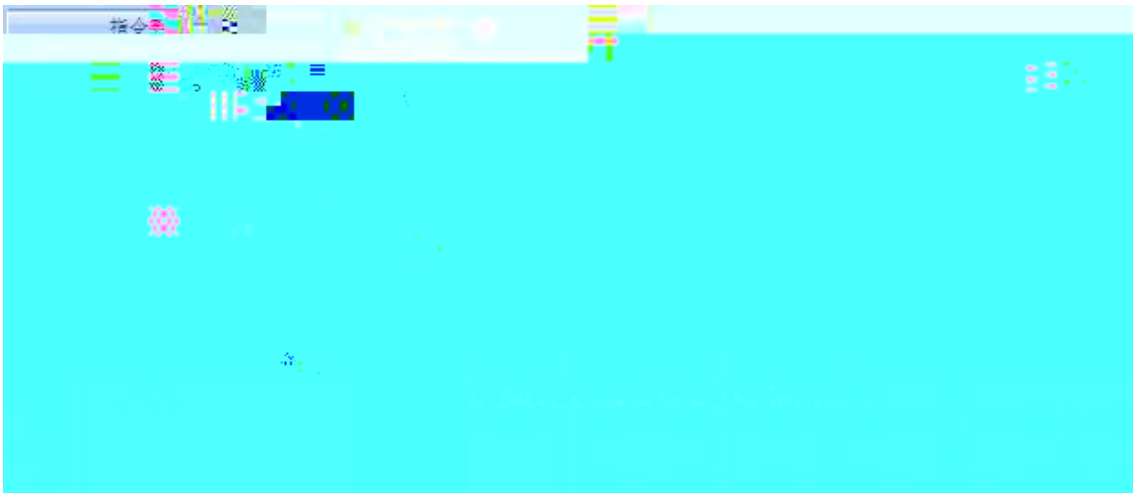
9-1

		SD	SM

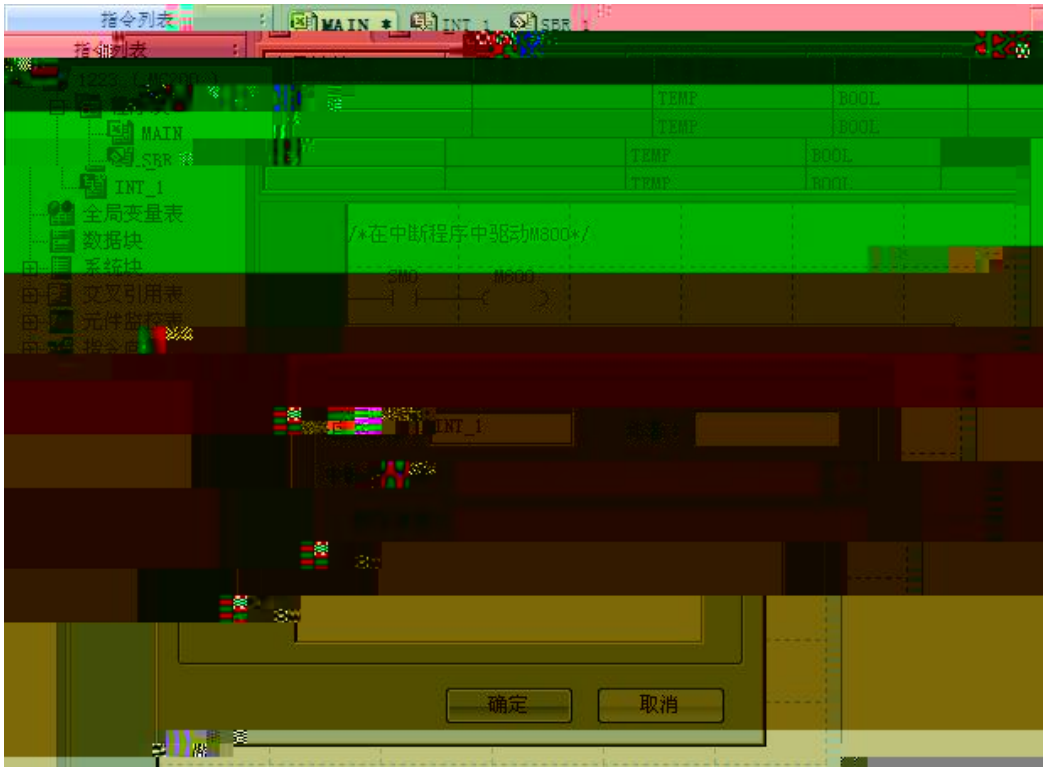

程序管理
bvbvbv (MC200)
程序块
MAIN
SBR_1
INT_1
全局变量表
数据块
系统块
交叉引用表
元件监控表
指令向导
通信
MAIN
INT_1
变量地址
变量名称
变量类型
数据类型
TEMP
BOOL
/*翻转Y0*/
Y0
/*立即刷新输出*/
SMO
REF
8

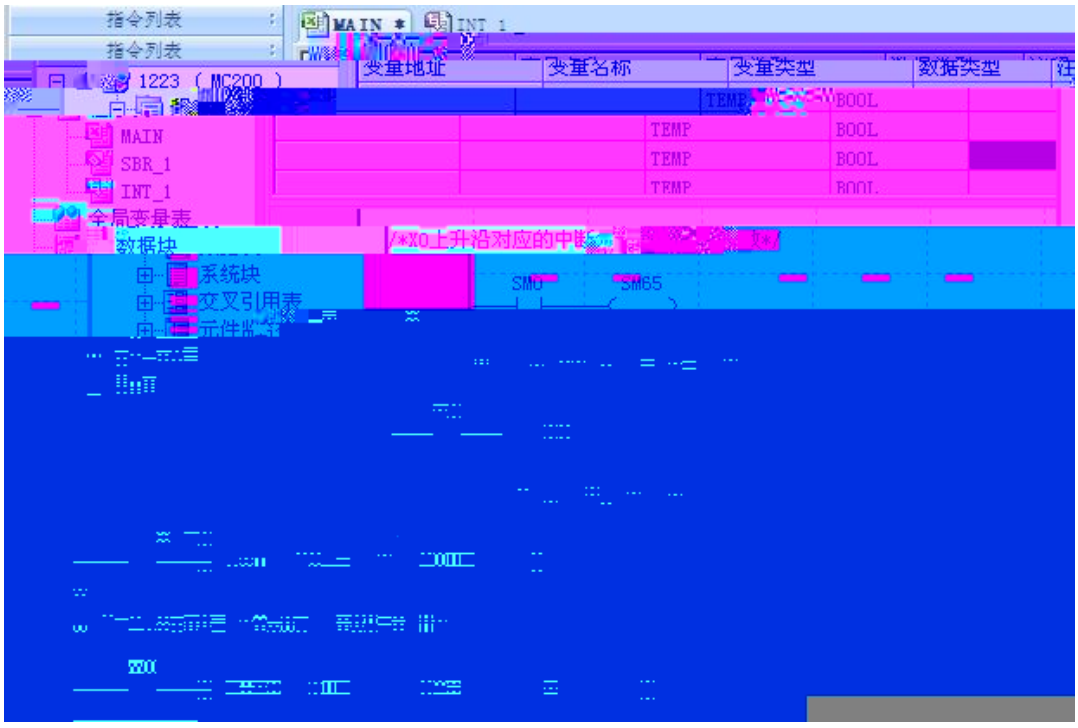

程序管理
bvbvbv (MC200)
程序块
MAIN
SBR_1
INT_1
数据块
交叉引用表
元件监控表
指令向导
通信
MAIN
INT_1
变量地址
变量名称
变量类型
数据类型
注释
TEMP
BOOL
/*翻转Y0*/
Y0
/*立即刷新输出*/
SMO
REF
8
INT_1
程序名称:





9.5

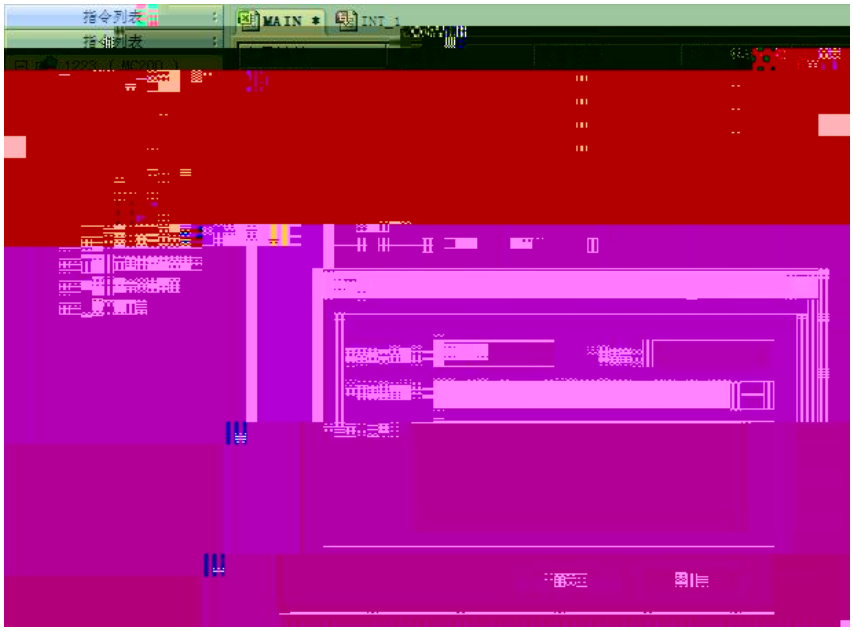

指令列表
MAIN
INT_1
SBR
1223 (MC200)
MAIN
SBR_1
INT_1
全局变量表
数据块
系统块
交叉引用表
元件监视
/*在中断程序中驱动M800*/
SM0
M800
确定
取消

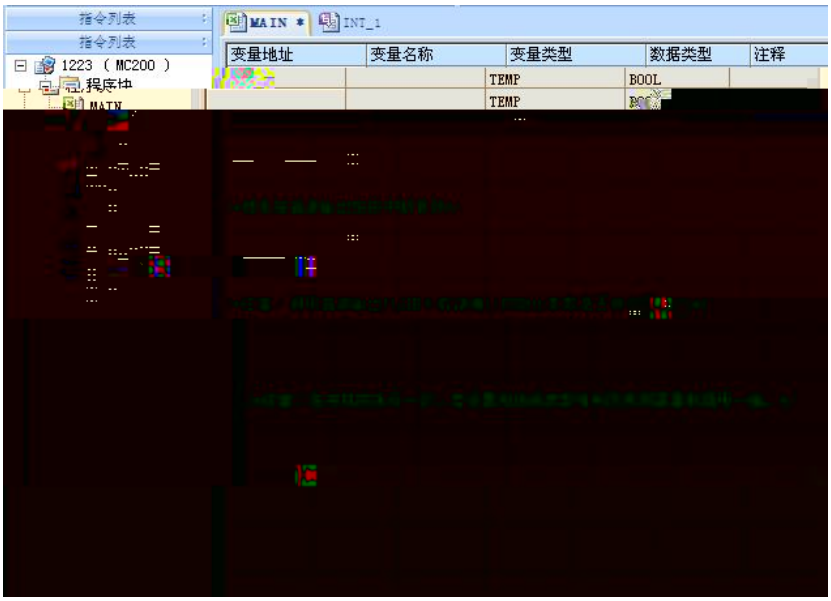

指令列表
MAIN
INT_1
指令列表
1223 (MC200)
变量地址
变量名称
变量类型
数据类型
MAIN
SBR_1
INT_1
全局变量表
数据块
系统块
交叉引用表
元件监视
TEMP
BOOL
/*X0上升沿对应的中
SM0
SM65

9.6 PTO

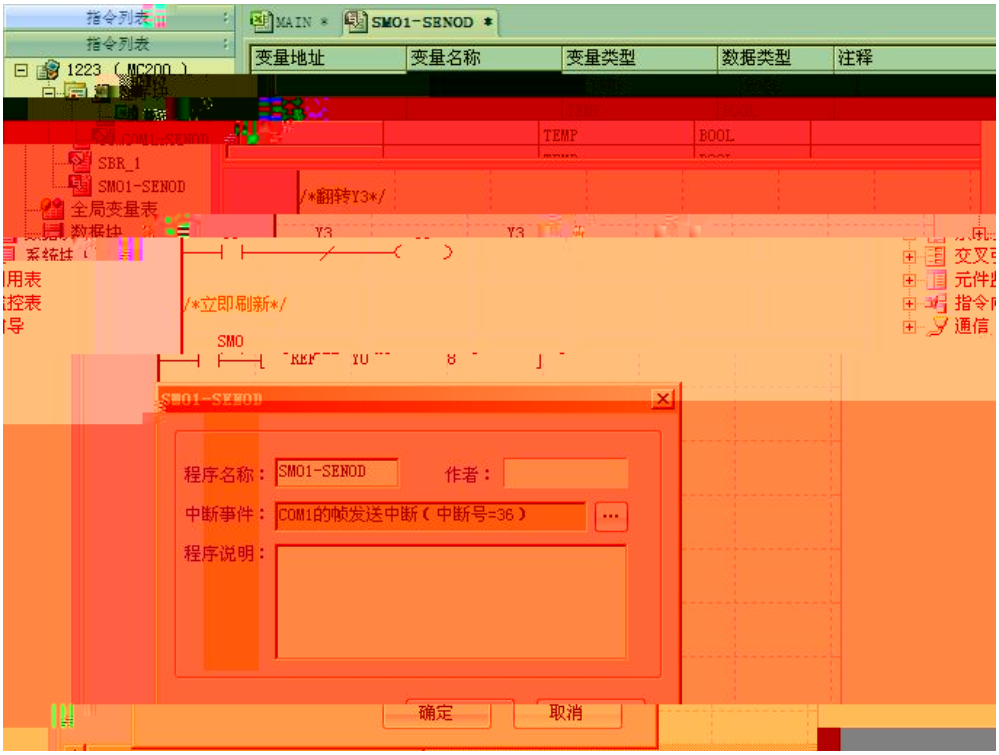
PTO

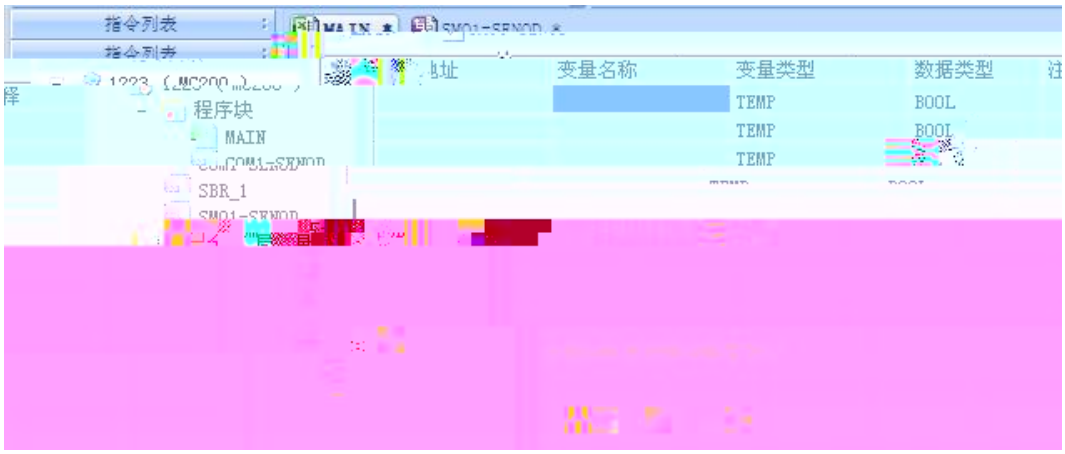
PTO





9.7


指令列表
MAIN
SM01-SENOD
变量地址
变量名称
变量类型
数据类型
注释
1223 (MC200)
SBR_1
SM01-SENOD
全局变量表
数据块
TEMP
BOOL
/*翻转Y3*/
Y3
/*立即刷新*/
SM0
程序名称：
SM01-SENOD
作者：
中断事件：
COM1的帧发送中断（中断号=36）
程序说明：
确定
取消


指令列表
变量名称
变量类型
数据类型
TEMP
BOOL
程序块
MAIN
SBR_1

MC PLC

10.1

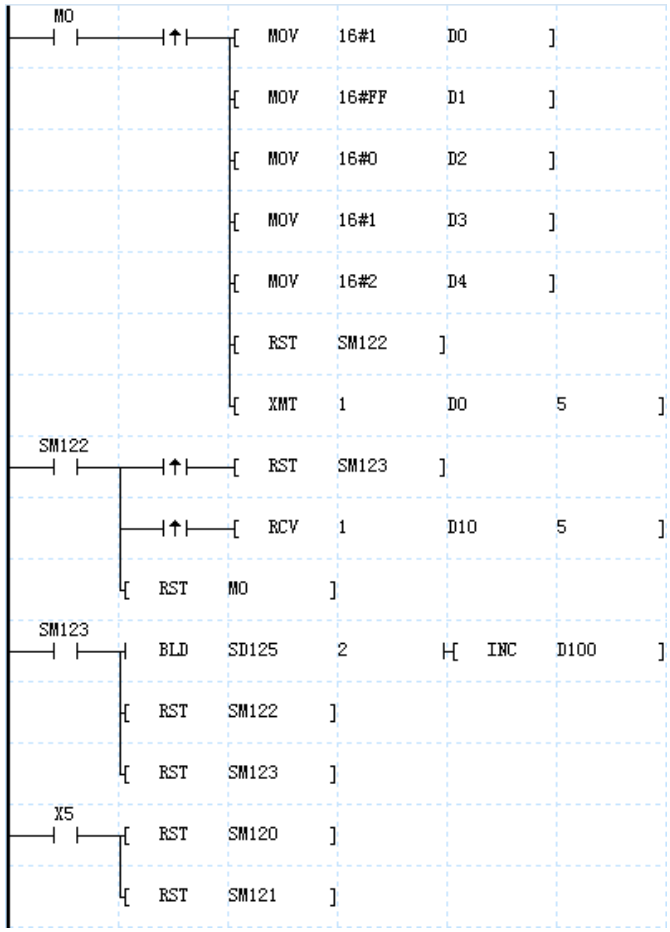
10.2

10.3

10.3.1

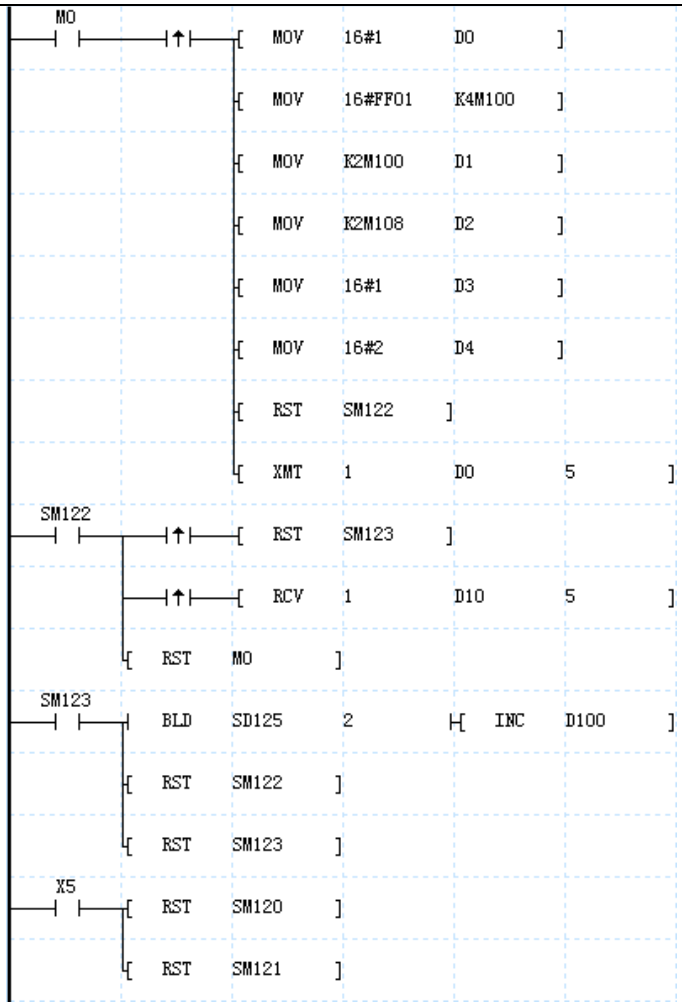
10.3.2




M0
MOV 16#1 D0
MOV 16#FF D1
MOV 16#0 D2
MOV 16#1 D3
MOV 16#2 D4
RST SM122
XMT 1 D0 5
SM122
RST SM123
RCV 1 D10 5
RST M0
SM123
BLD SD125 2
INC D100
RST SM122
RST SM123
X5
RST SM120
RST SM121

2

1



10.3.4

10.3.5

10.3.6 RTU

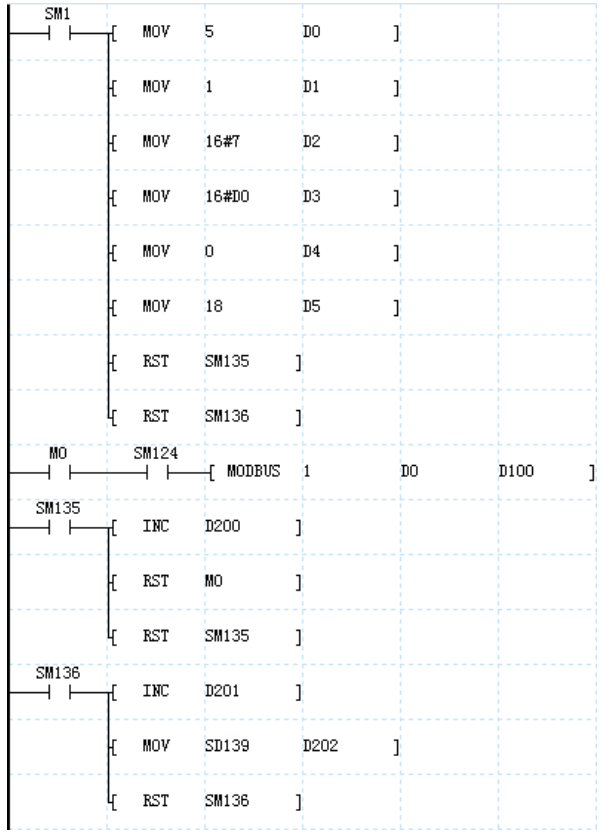
0000 01 01 257 Y

01 81 03 00 51

10.3.17 Modbus

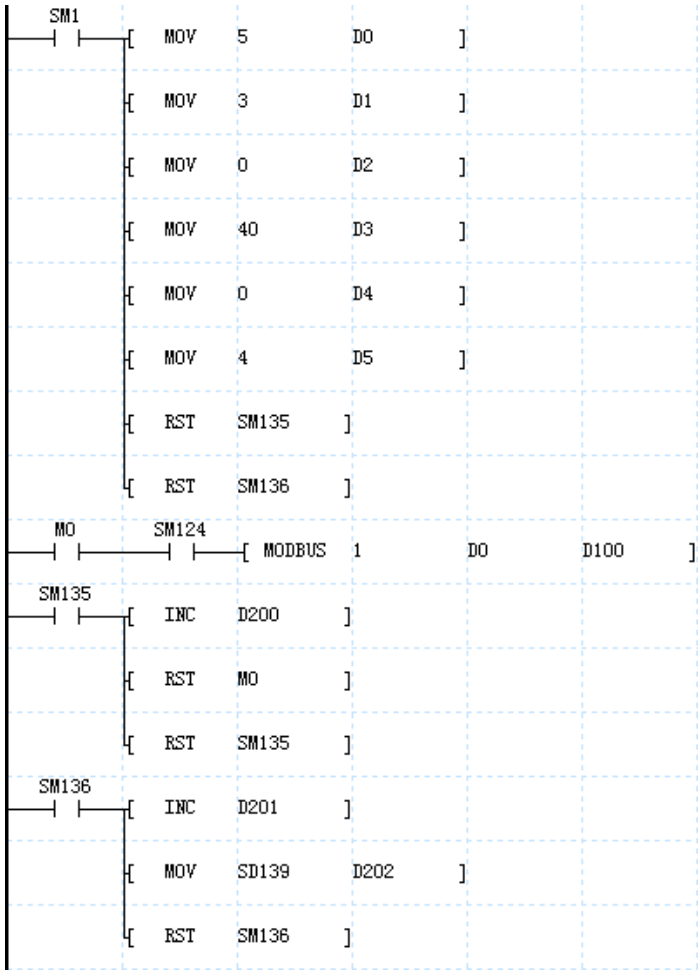
1

2

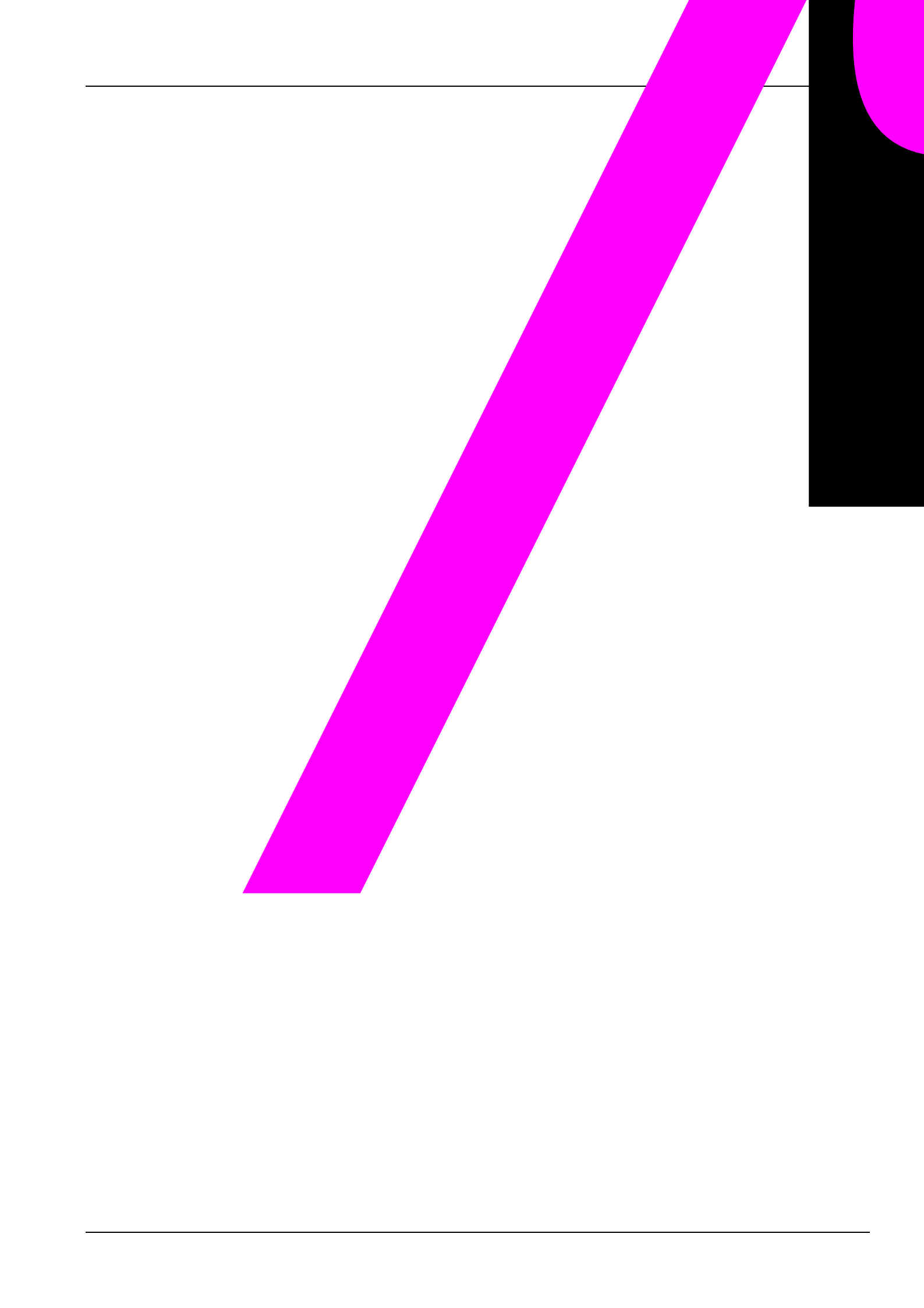

SM1
MOV 5 D0
MOV 1 D1
MOV 16#7 D2
MOV 16#D0 D3
MOV 0 D4
MOV 18 D5
RST SM135
RST SM136
M0
SM124
MODBUS 1 D0 D100
SM135
INC D200
RST M0
RST SM135
SM136
INC D201
MOV SD139 D202
RST SM136

3

40 8	40 8	41 8	41 8	42 8	42 8	43 8	43 8




5
T

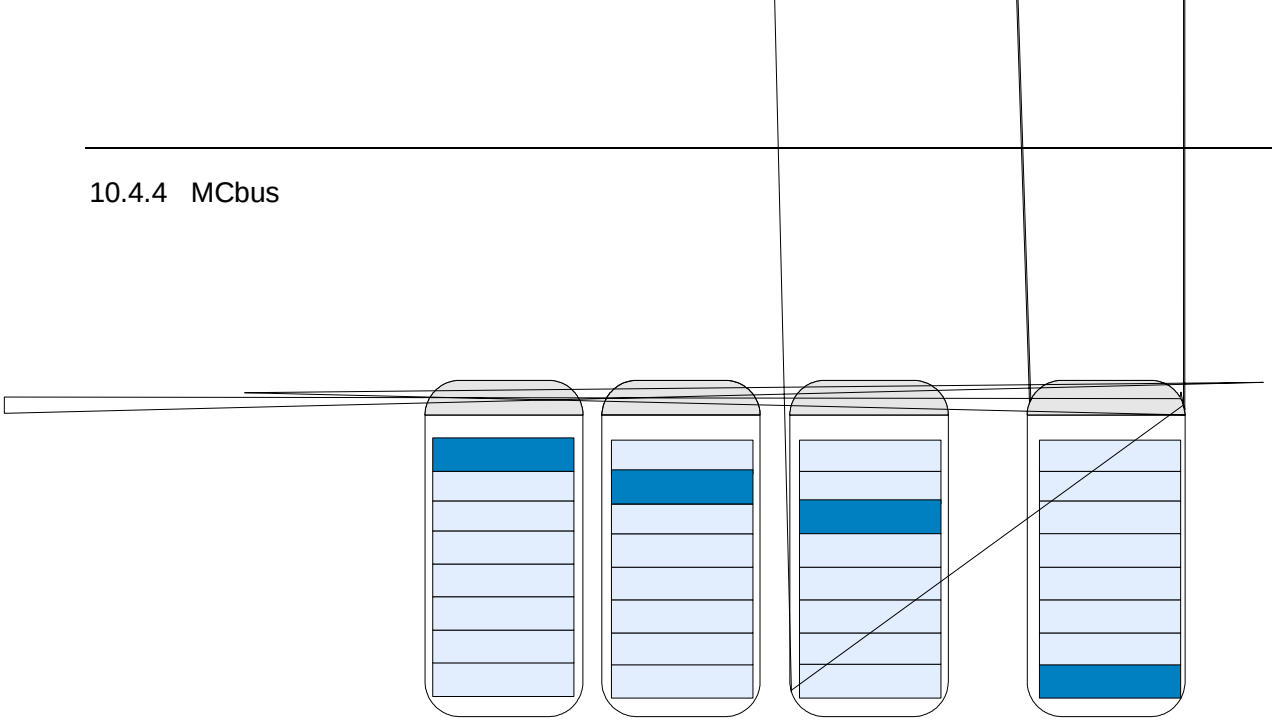


10.4 MCbus

10.4.1 MCbus



10.4.4 MCbus



D	1	2	3	4	5

MCbus M

M	1	2	3	4	5

MCbus M 0

M	6	7

10.4.5

D	14	15	16	17	18

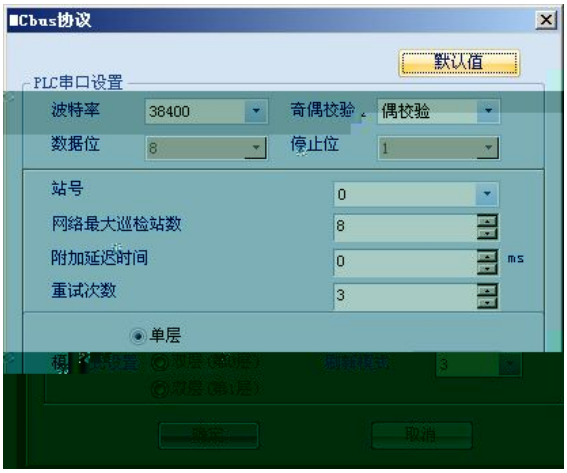
10.4.6 MCbus

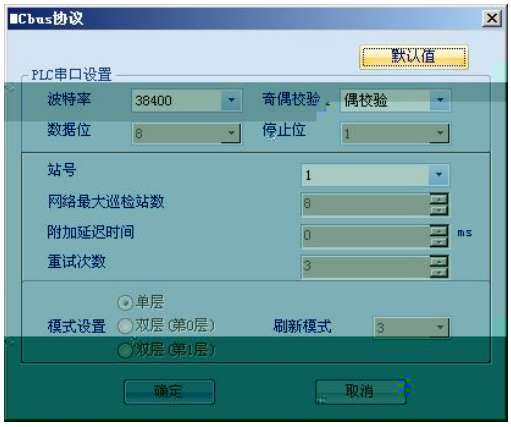
PLC **0** **PLC** **1** **MCbus**

MCbus



MCbus **MCbus**



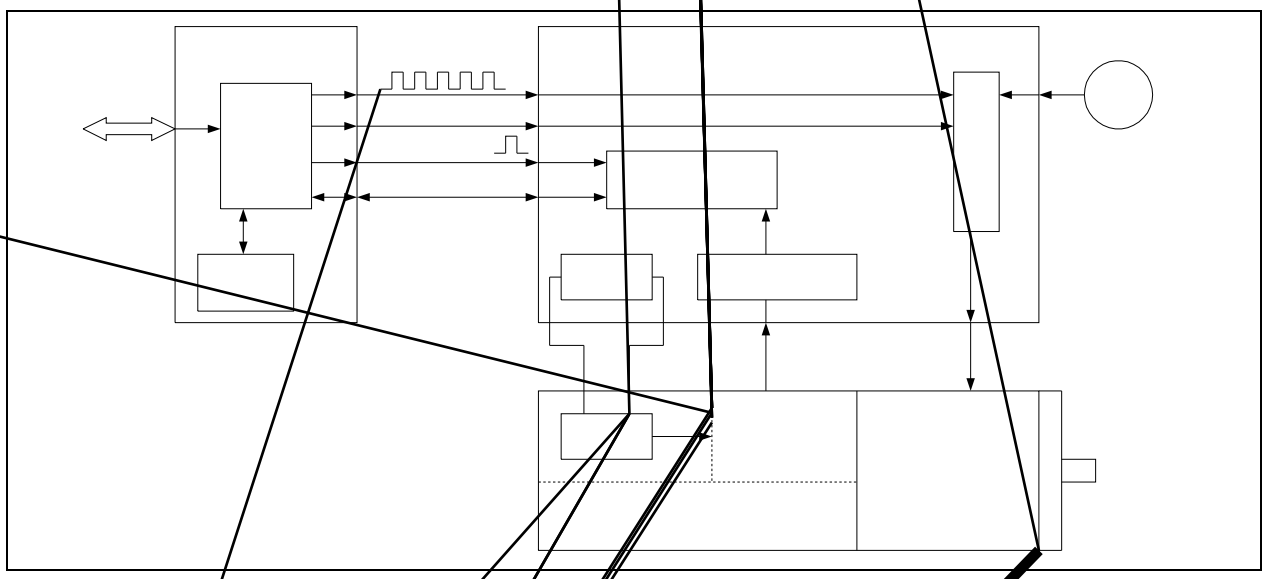


10.5

10.5.1

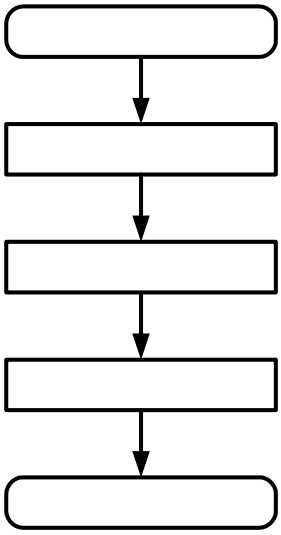
11.1

11.1.1



11-1

11.1.3

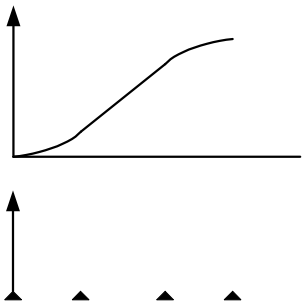


11.2 PLC

11-2 MC PLC

			MC280	MC200	MC100	MC80

			MC280	MC200	MC100	MC80

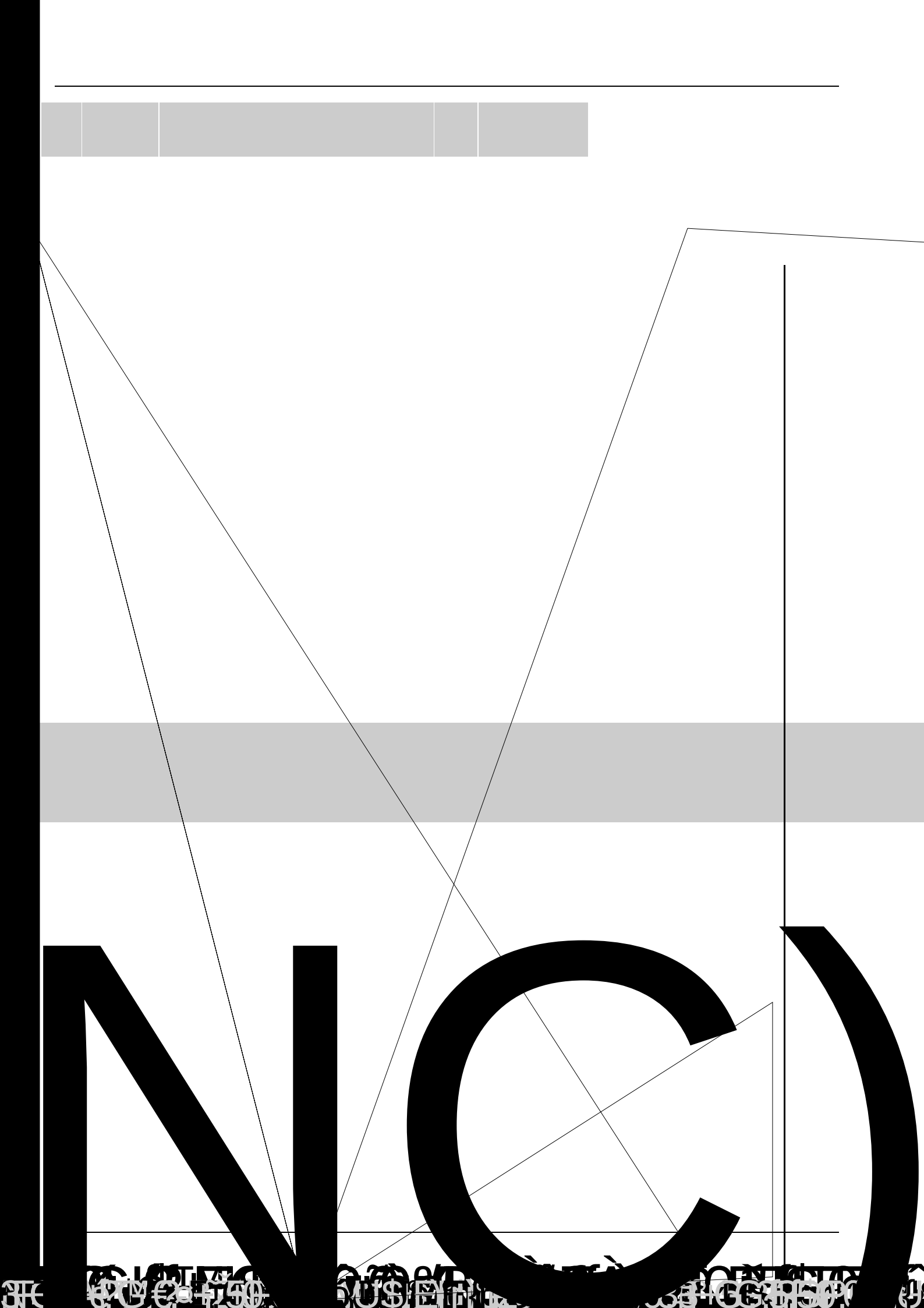


11.4

11.4.1 MC280

11-3 MC280-1616BTA8

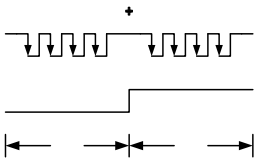


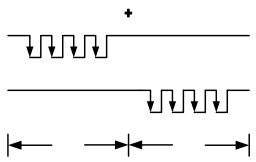


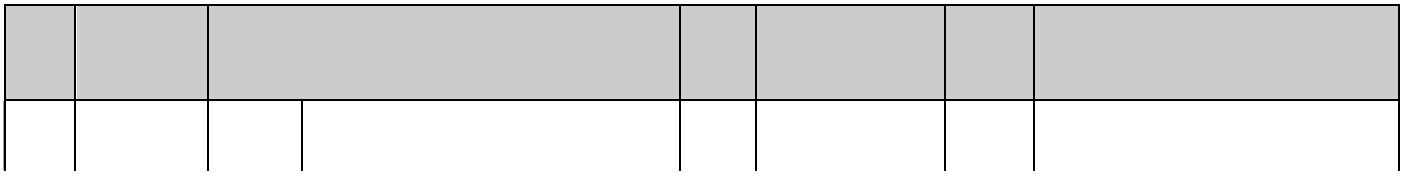


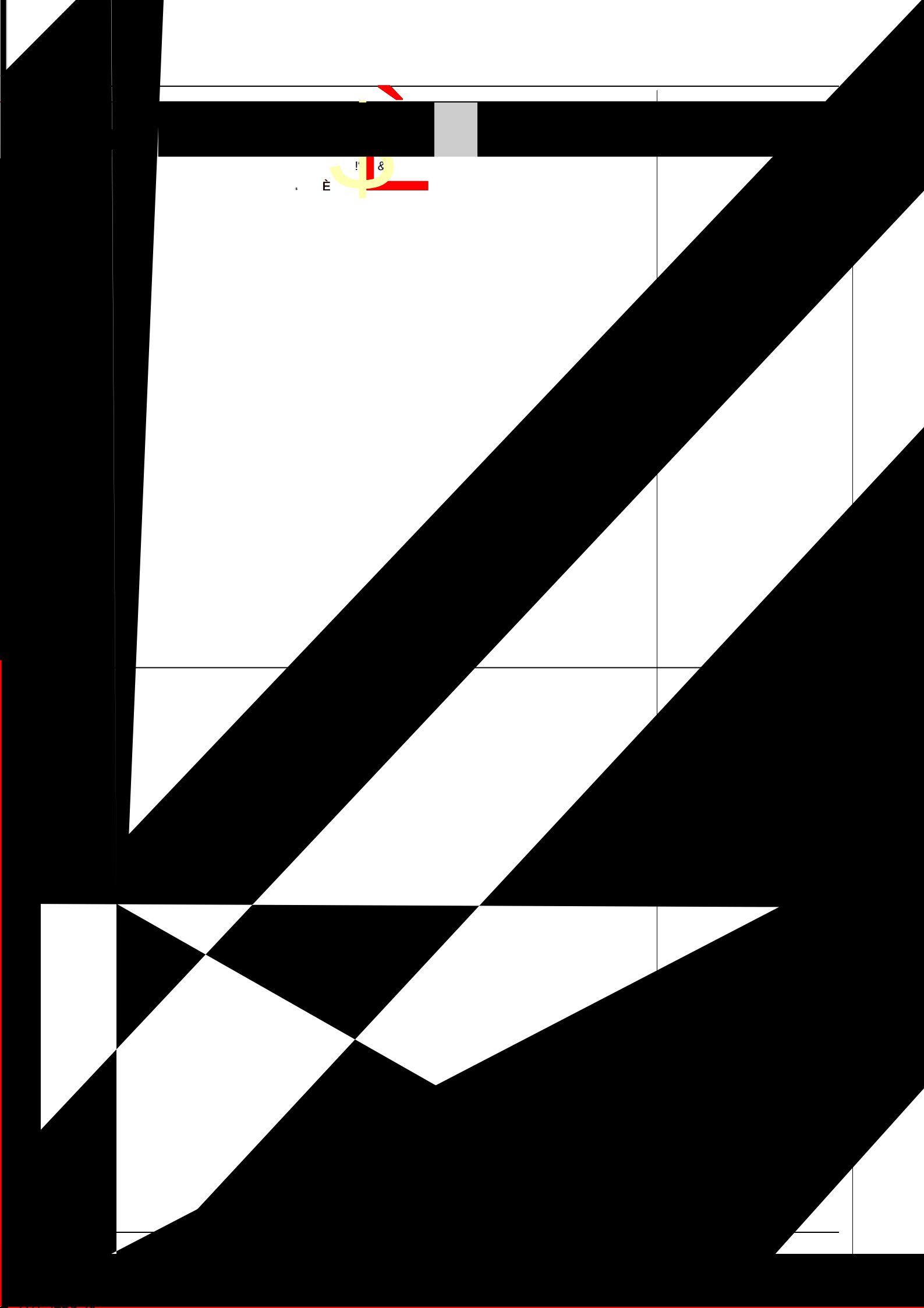
11-6 MC200E-1616BTA8

	-(						









0 Y0

			R/W

			R/W

1 Y1

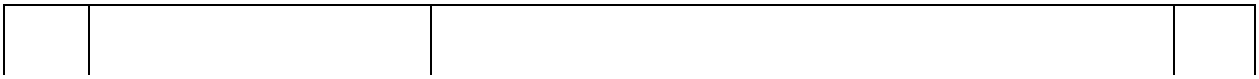
			R/W

1 Y1

			R/W

2 Y2

			R/W



			R/W

			R/W

11.4.2 MC200

11-9 MC200



0 Y0

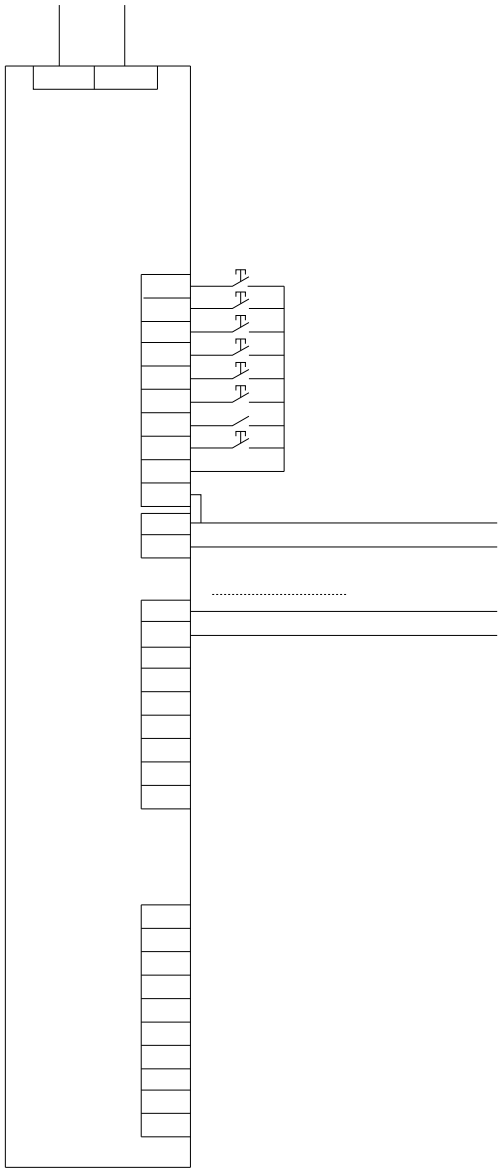
			R/W

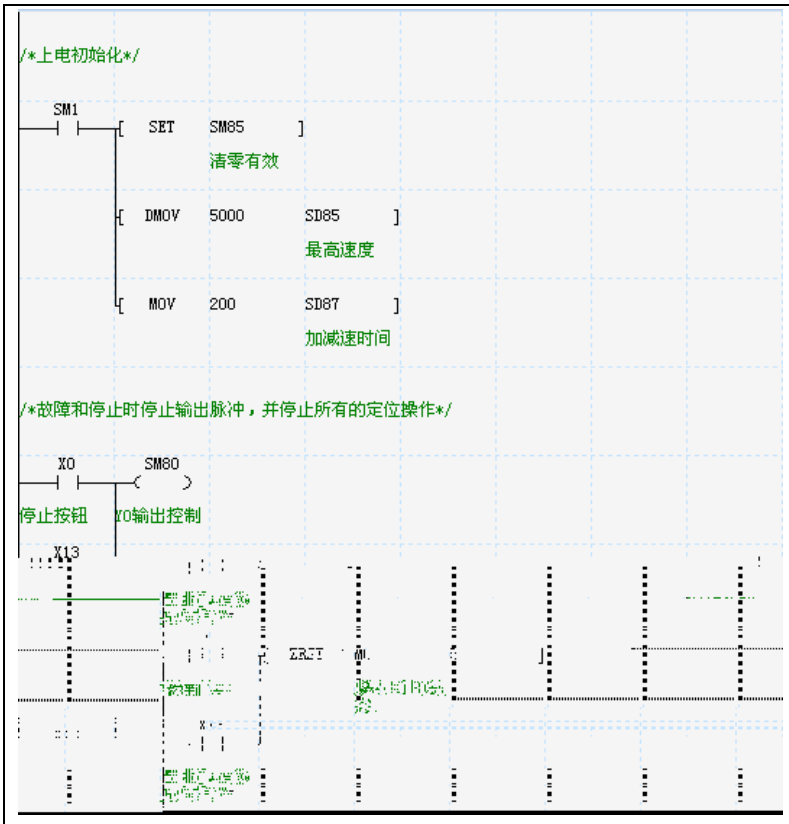
0 Y0

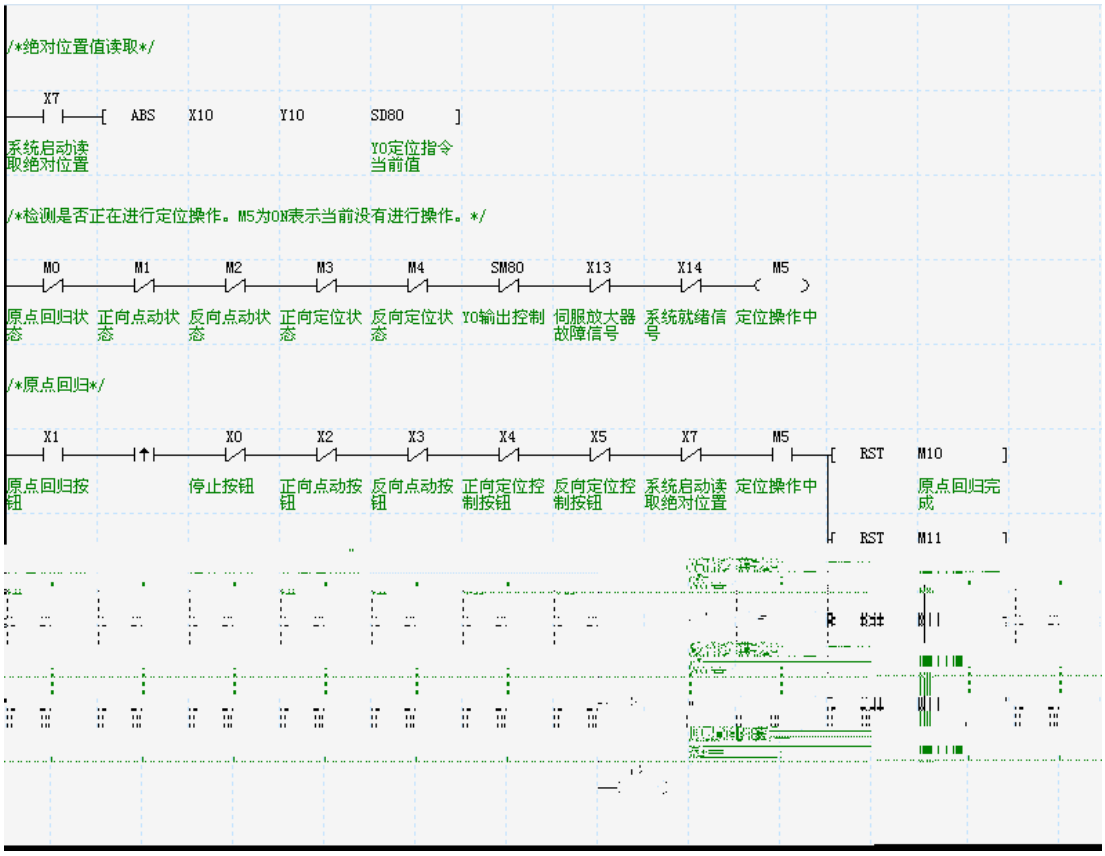
			R/W

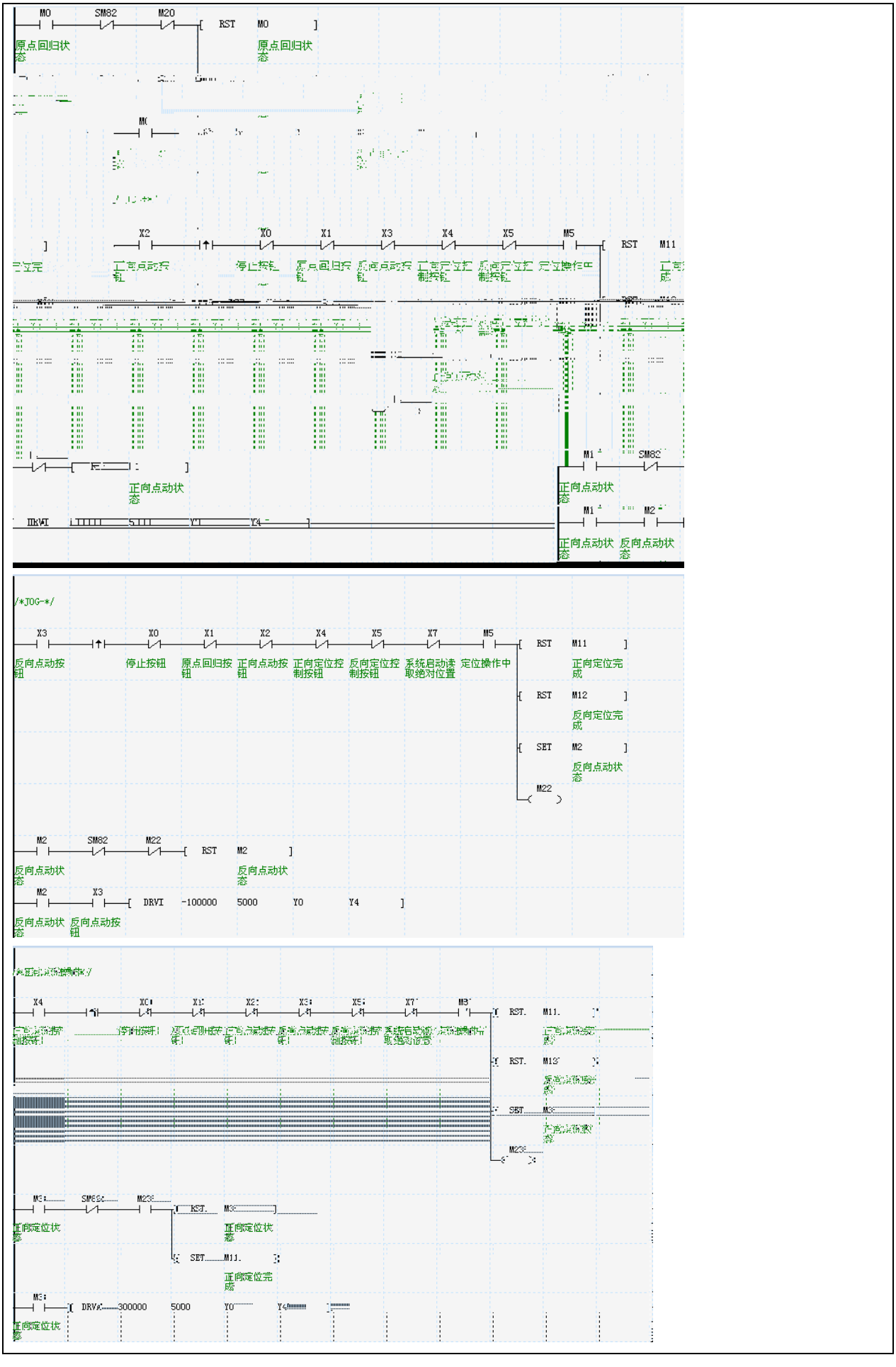
	R/W

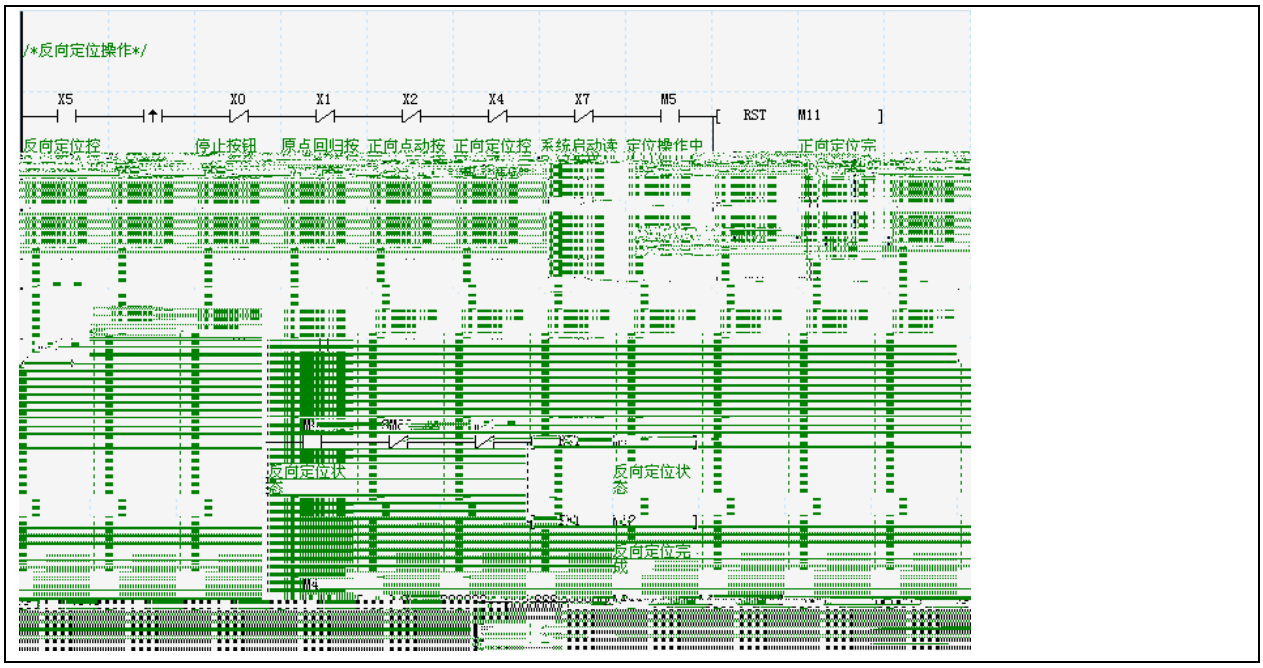
			R/W




/*上电初始化*/
SM1
SET SM85
清零有效
DMOV 5000 SD85
最高速度
MOV 200 SD87
加减速时间
/*故障和停止时停止输出脉冲，并停止所有的定位操作*/
X0 SM80
停止按钮 Y0输出控制
X13


/*绝对位置值读取*/
X7
ABS X10 Y10 SD80
系统启动读取绝对位置
Y0定位指令当前值
/*检测是否正在进行定位操作。M5为ON表示当前没有进行操作。*/
M0 M1 M2 M3 M4 SM80 X13 X14 M5
原点回归状态
正向点动状态
反向点动状态
正向定位状态
反向定位状态
Y0输出控制
伺服放大器故障信号
系统就绪信号
定位操作中
/*原点回归*/
X1 X0 X2 X3 X4 X5 X7 M5
RST M10
RST M11
原点回归按钮
停止按钮
正向点动按钮
反向点动按钮
正向定位控制按钮
反向定位控制按钮
系统启动读取绝对位置
定位操作中
原点回归完成


M0 SM82 M20 [RST M0]
原点回归状态
原点回归状态
X2 X0 X1 X3 X4 X5 M5 [RST M11
正向点动按钮
停止按钮
原点回归按钮
反向点动按钮
正向定位控制按钮
反向定位控制按钮
定位操作中
正向点动状态
M1 SM82
正向点动状态
M1 M2
正向点动状态 反向点动状态
/*JOG-*/
X3 X0 X1 X2 X4 X5 X7 M5 [RST M11]
反向点动按钮
停止按钮
原点回归按钮
正向点动按钮
正向定位控制按钮
反向定位控制按钮
系统启动读取绝对位置
定位操作中
正向定位完成
[RST M12]
反向定位完成
[SET M2]
反向点动状态
M22
M2 SM82 M22 [RST M2]
反向点动状态
反向点动状态
M2 X3 [DRVI -100000 5000 Y0 Y4]
反向点动状态
反向点动按钮
X4 [RST M11]
[RST M12]
[SET M3]
M23
M3 SM82 M23 [RST M3]
正向定位状态
正向定位状态
[SET M11]
正向定位完成
M3 [DRVA 300000 5000 Y0 Y4]
正向定位状态

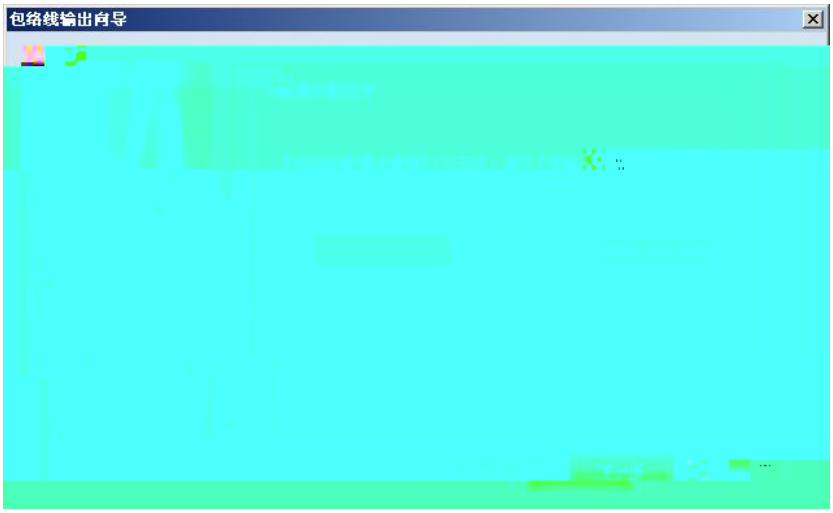

/*反向定位操作*/
X5
X0
X1
X2
X4
X7
M5
RST
M11
反向定位控
停止按钮
原点回归按
正向点动按
正向定位控
系统启动读
定位操作中
正向定位完
反向定位状
反向定位状
反向定位完成

PLS

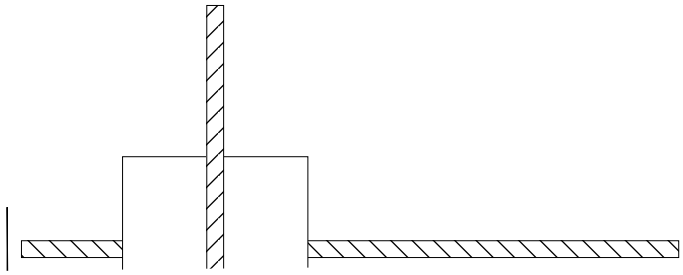
-> ...

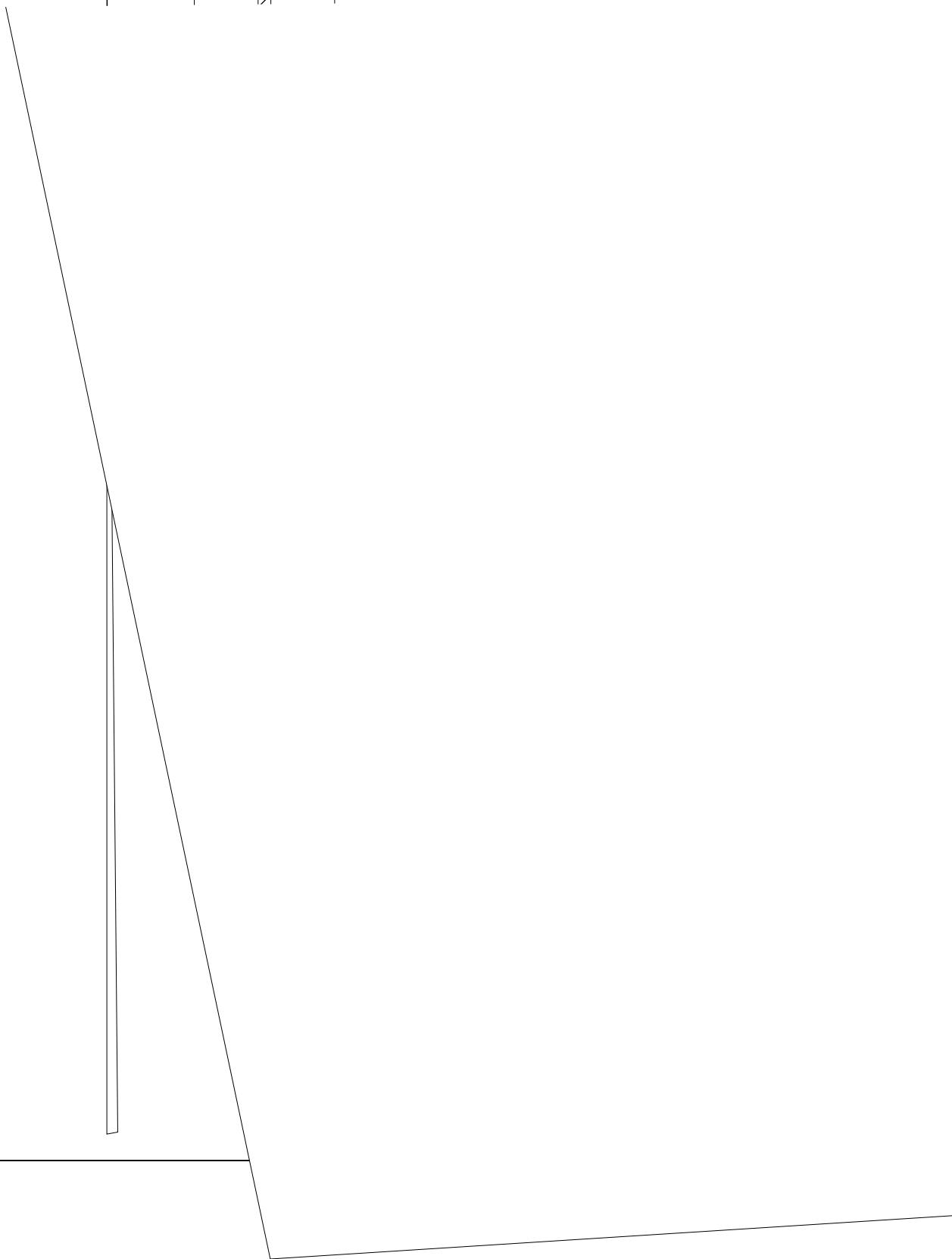

向导
该指令向导会指导您简单快速
的生成复杂的指令，该向导将会为您要
生成的指令参
数，完成后

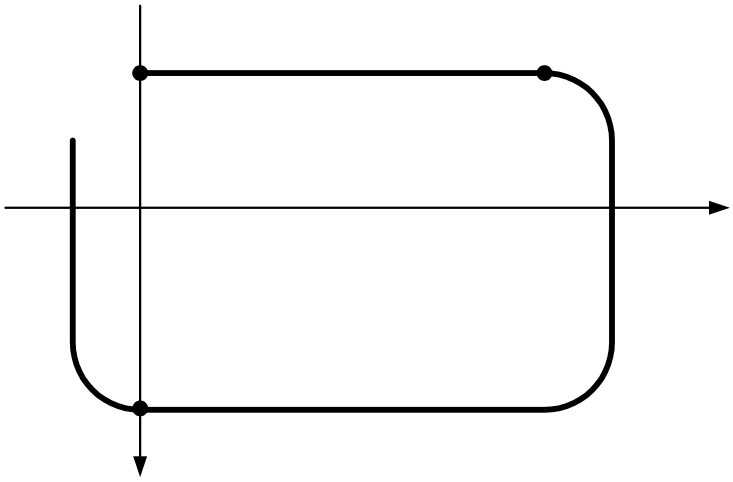

包络线输出向导

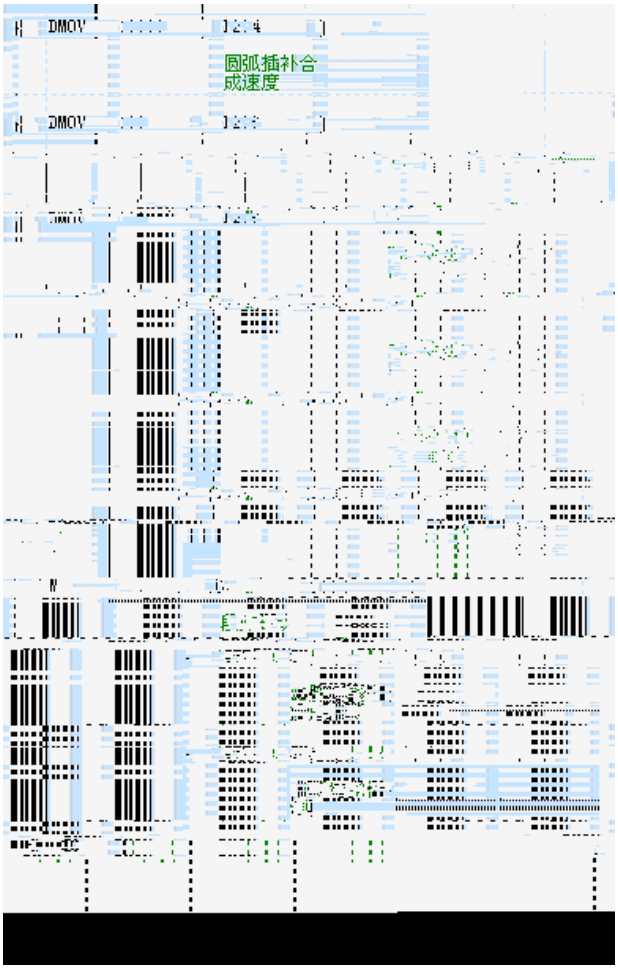

包络线输出向导

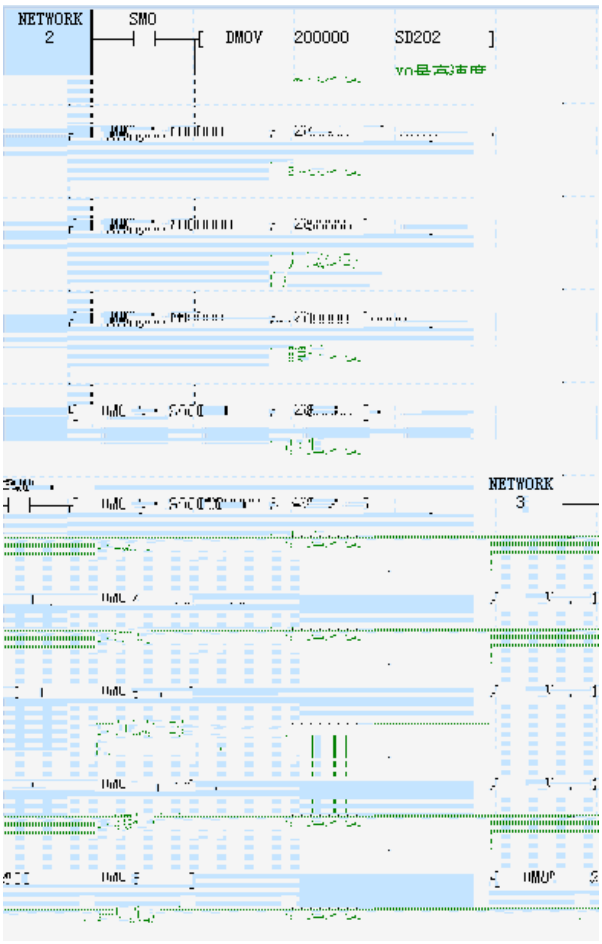
11.5.2

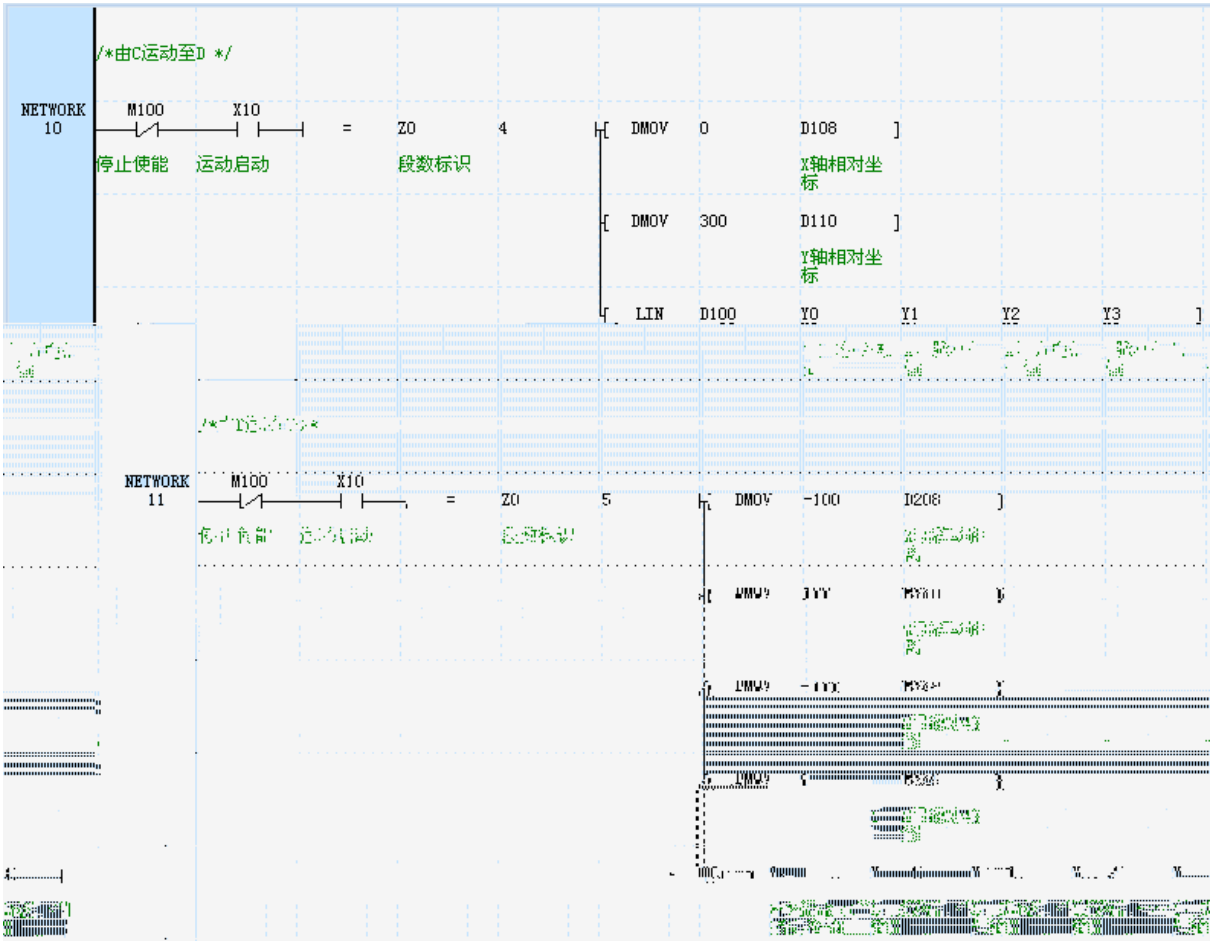


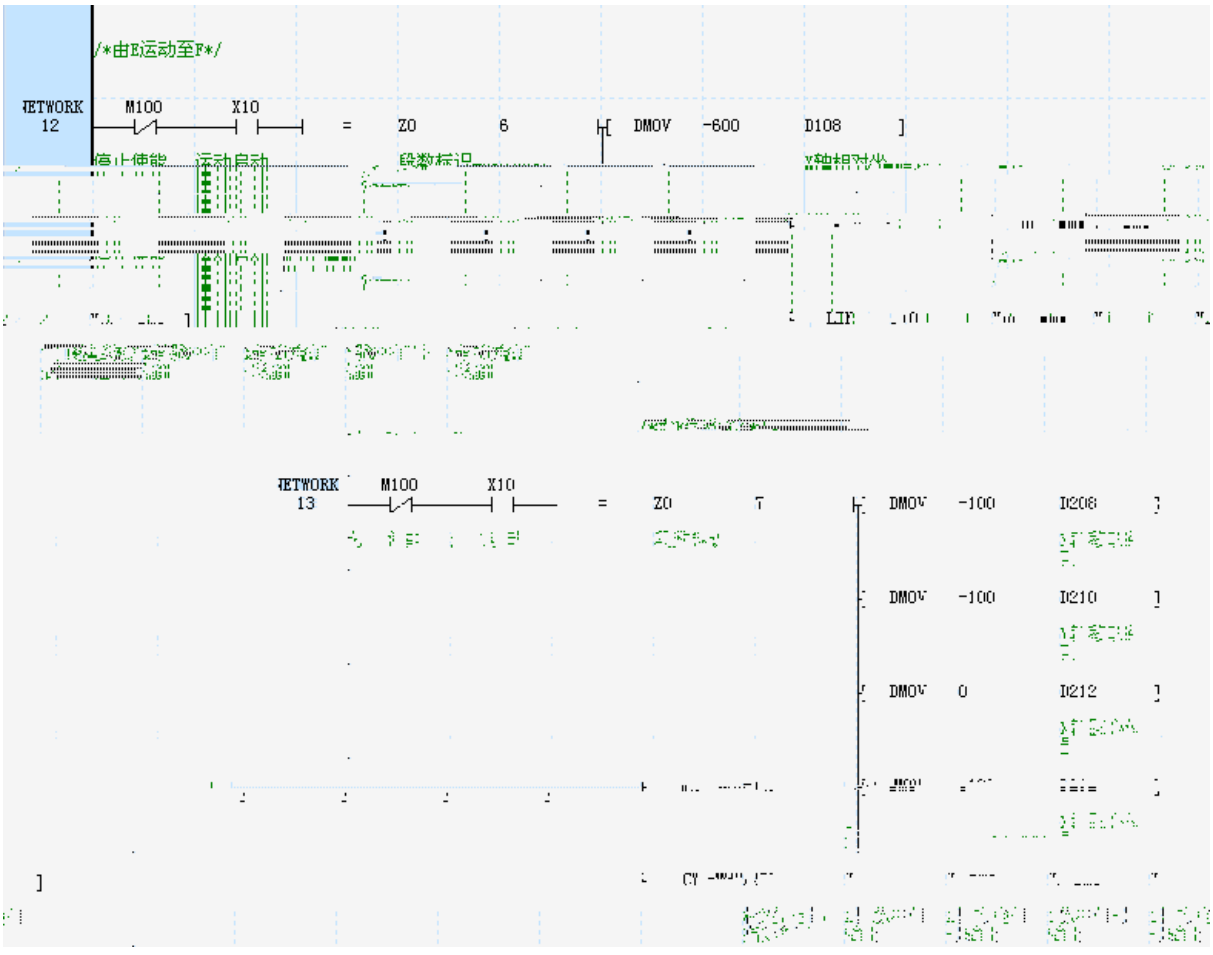


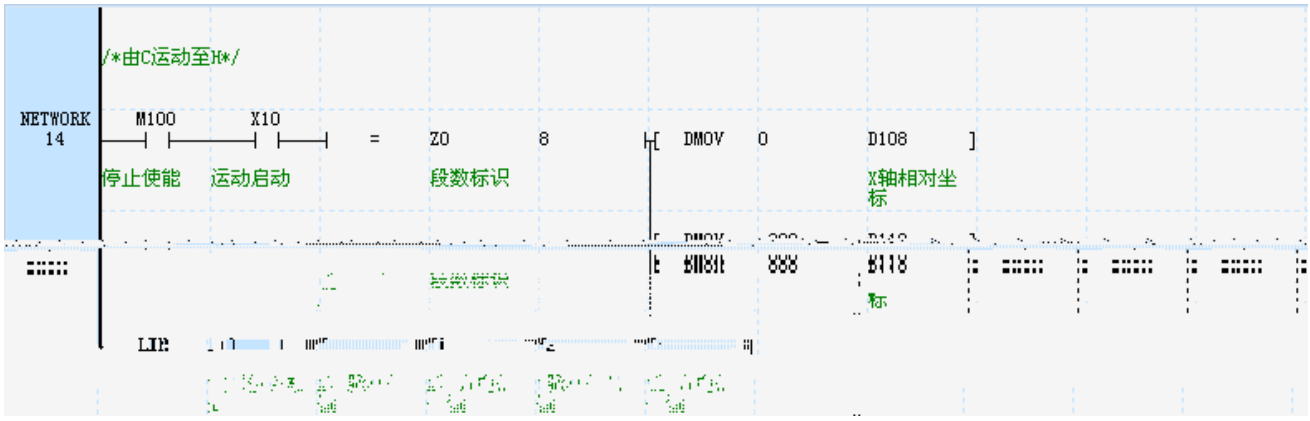



DMOV
圆弧插补合
成速度
DMOV


NETWORK
2
SM0
DMOV
200000
SD202
NETWORK
3


/*由C运动至D */
NETWORK 10
M100
X10
=
Z0
4
DMOV
0
D108
停止使能
运动启动
段数标识
X轴相对坐标
DMOV
300
D110
Y轴相对坐标
LIN
D100
Y0
Y1
Y2
Y3
NETWORK 11
M100
X10
=
Z0
5
DMOV
-100
D208


/*由E运动至F*/
NETWORK 12
M100
X10
=
Z0
6
DMOV
-600
D108
段数标识
LIN
NETWORK 13
M100
X10
=
Z0
7
DMOV
-100
D208
DMOV
-100
D210
DMOV
0
D212


/*由C运动至H*/
NETWORK
14
M100
X10
=
Z0
8
DMOV
0
D108
停止使能
运动启动
段数标识
X轴相对坐
标

9. PORT0

			R/W	MC200	MC100	MC280

3 2qñy#

10. PORT1

			R/W	MC200	MC100	MC280
		7 y.¿7'ð ™€ 36Cc ,€				
		M& ƒ ø 9qñ y za†°•€$5M&				
				³ ñ• ™˜ 9'4A`		³ ñ• ™˜ Ev4A

			R/W	MC200	MC100

14.

			R/W	MC200	MC100	MC280

15.

			R/W	MC200	MC100	MC280

16. SASCII

			R/W	MC200	MC100	MC280

غي

19. /

			R/W	MC200	MC100	MC280

			R/W	MC200	MC100	MC280

			R/W	MC200	MC100	MC280

1. PLC

3. FROM/TO

		R/W	MC200	MC100	MC280	

4.

				MC200	MC100		

A

12. 0



13. 1

			R/W	MC200	MC100	MC280	
	3 2 'ð € &'…y‰ ™€ %FC"c2!)/ ™€ &RX € 0						
		Ö					



			R/W	MC200	MC100	MC280	

			R/W	MC200	MC100	MC2	

19.

			R/W	MC200	MC100		

		0	0	

					R/W	MC100	MC200	MC280

Modbus MC100 MC200 MC280

1. Modbus

1 RS485 RS232 RS232

2 RTU ASCII ASCII

3 Modbus 1 31

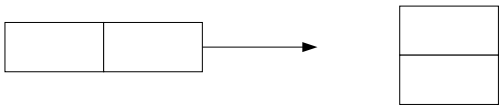
4

5 38 400 19 200 bps 9 600 bps 4 800 bps 2 400 bps 1 200 bps 19200 8 1

6 2 252 ASII 252 RTU

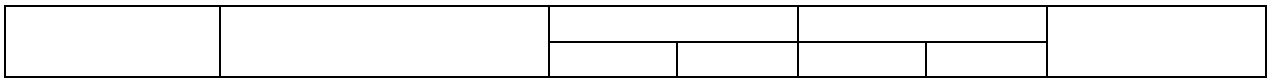
2. Modbus

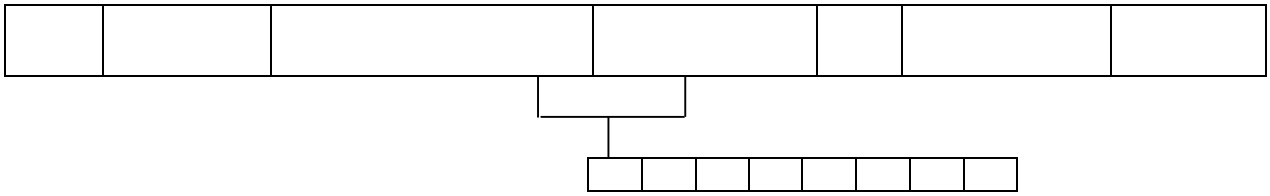
		Modicon		



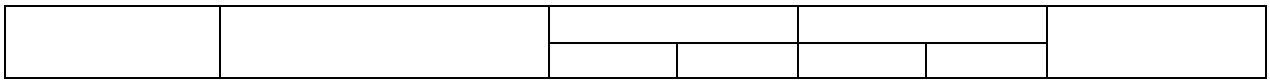
3. Modbus

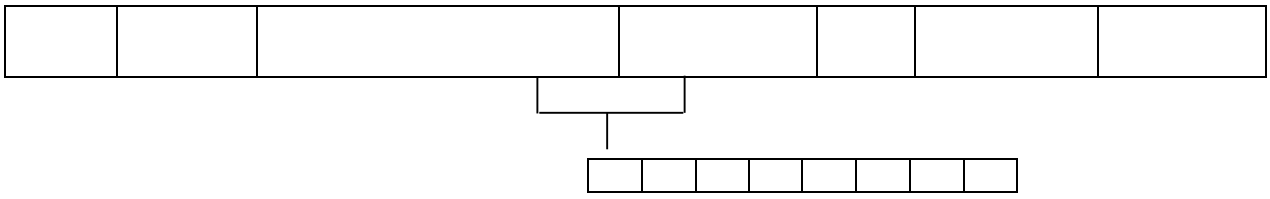
3.1 0x01



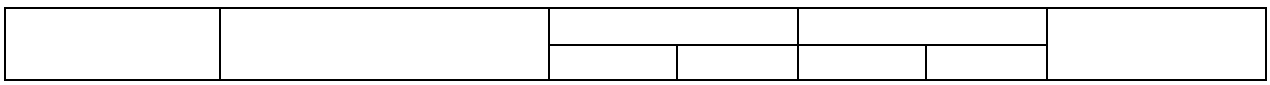


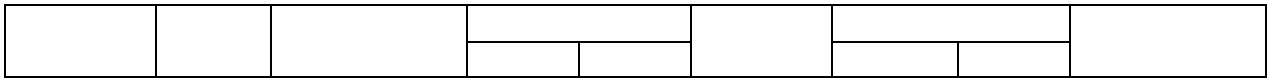
3.2 0x02





3.3 0x03

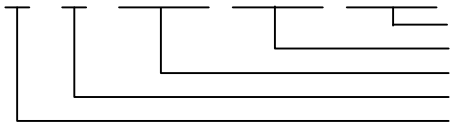




04 B0 1200 10 X0 X9

01 01 02 00 00 B9 FC

02 00 00



01 03 25 E5 00 04 5E F2

25 E5 9701

01 83 02 C0 F1

01 03 25 E4 00 05 CE F2

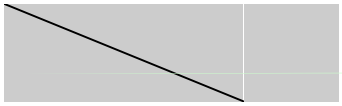
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Modbus

	MC100/MC200		MC80	



				MC100	MC200	MC280

				MC100	MC200	MC280

					MC200	MC100	MC80	MC280	

				MC200	MC100

					MC200	MC100	MC80	MC280	

					MC200	MC100	MC80	MC280	

					MC200	MC100	MC80	MC280	

					MC200	MC100	MC80	MC280	
	!"#$%&'()*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~								

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					MC200	MC100	MC80	MC280	



			MC200	MC100

					MC200	MC100	MC80	MC280	

					MC200	MC100	MC80	MC280	