

ORGANIZATION_BLOCK 程序块:OB1

TITLE=程序注释

BEGIN

Network 1 // 网络标题

// 进子程序

LDN M0.0

CALL SBR0

CALL SBR1

Network 2 // 网络标题

// 网络注释

LD I2.1

O M10.7

AN I2.0

= M10.7

Network 3

// 分钟脉冲

LD SM0.0

LPS

AN T120

TON T120, +600

LPP

AN M10.1

CALL SBR2

Network 4

LD M4.1

TON T50, +50

Network 5

LD T50

LD M0.0

A I3.0

A M0.1

OLD

AN M10.1

= Q0.0

Network 6

// 进入产水

LDN M10.1

LD I2.0

AN M0.0

LD I2.1

AN M0.0

OLD

O M3.0

LD M1.6

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A      M0.0
OLD
LD      M1.7
A      M0.0
OLD
LD      M2.0
A      M0.0
OLD
LD      M2.1
A      M0.0
OLD
ALD
AN      I1.7
=      M3.0
Network 7
LD      M3.0
O      T123
O      T125
O      T127
O      T129
TON     T110, +50
Network 8
LD      T110
LD      M20.0
ON      I3.3
O      M2.4
O      Q0.1
ALD
AN      Q0.2
AN      Q0.3
LD      M0.0
A      I3.1
A      M0.2
OLD
AN      M2.2
A      I3.1
=      Q0.1
Network 9
LD      Q0.1
A      T120
LD      C1
CTU     C1, +10000
Network 10
LD      T110

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LD      M20.1
O       M2.2
ON      I3.1
O       Q0.2
ALD
AN      Q0.1
AN      Q0.3
LD      M0.0
A       I3.2
A       M0.3
OLD
AN      M2.3
A       I3.2
=       Q0.2
Network 11
LD      Q0.2
A       T120
LD      C2
CTU     C2, +10000
Network 12
LD      T110
LD      M20.2
O       M2.3
ON      I3.2
O       Q0.3
ALD
AN      Q0.1
AN      Q0.2
LD      M0.0
A       I3.3
A       M0.4
OLD
AN      M2.4
A       I3.3
=       Q0.3
Network 13
LD      Q0.3
A       T120
LD      C3
CTU     C3, +10000
Network 14
LDN     M10.7
LPS
MOVW    VW300, VW310

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*I      +600, VW310
MOVW    VW320, VW330
*I      +600, VW330
AN       T52
TON      T51, VW330
LPP
A        T51
TON      T52, VW310
Network 15
LDN      M10.7
AN       M0.0
A        T51
AN       T52
LD       M0.0
A        I3.4
A        M0.5
OLD
A        I3.4
A        I0.1
=        Q0.4
Network 16
LD       I0.1
AN       M0.0
=        Q0.6
Network 17
LD       M3.0
TON      T122, +100
TOF      T121, 100
Network 18
LD       T122
LD       M0.0
A        M0.7
OLD
AN       I1.5
=        Q1.0
Network 19
LD       I1.1
TON      T60, 50
Network 20
LD       T60
=        M22.1
Network 21
LD       Q0.4
LD       M0.0

```

A	M0.6
OLD	
AN	M22.1
AN	I1.6
=	Q1.1
Network 22	
LD	I2.3
O	M4.6
O	I2.4
LD	I3.5
O	I3.6
ALD	
AN	M10.7
AN	I2.2
=	M4.6
Network 23	
LD	M4.6
LD	M0.0
A	M1.0
OLD	
AN	M2.5
AN	Q1.4
A	I3.5
=	Q1.2
Network 24	
LD	M4.6
LD	M0.0
A	M1.1
OLD	
AN	M2.6
AN	Q1.2
A	I3.6
=	Q1.4
Network 25	
LD	M3.5
TON	T123, 50
TOF	T124, 50
Network 26	
LD	T121
AN	M3.1
AN	M0.0
LD	M1.6
AN	M3.1
A	M0.0

OLD
LD Q3.3
AN M0.0
OLD
LD Q3.7
AN M0.0
OLD
LD T123
O Q2.0
A T124
OLD
LD M0.0
A M5.0
OLD
= Q2.0
Network 27
LD M3.1
AN M3.5
LD M0.0
A M5.1
OLD
= Q2.1
Network 28
LD T121
AN M3.1
LD Q3.3
AN M0.0
OLD
LD Q3.7
AN M0.0
OLD
LD M0.0
LD M5.2
O M1.6
ALD
OLD
= Q2.2
Network 29
LD T123
O Q2.3
A T124
LD M0.0
A M5.3
OLD

= Q2.3
Network 30
LD M3.6
TON T125, 50
TOF T126, 50

Network 31

LD T121
AN M3.2
LD M0.0
AN M3.2
A M1.7

OLD

LD Q3.3
AN M0.0

OLD

LD Q3.7
AN M0.0

OLD

LD T125
O Q2.4
A T126

OLD

LD M0.0
A M5.4

OLD

= Q2.4

Network 32

LD M3.2
AN M3.6
LD M0.0
A M5.5

OLD

= Q2.5

Network 33

LD T121
AN M3.2
LD Q3.3
AN M0.0

OLD

LD Q3.7
AN M0.0

OLD

LD M0.0
LD M5.6

O M1.7
ALD
OLD
= Q2.6
Network 34
LD T125
O Q2.7
A T126
LD M0.0
A M5.7
OLD
= Q2.7
Network 35
LD M3.7
TON T127, 50
TOF T128, 50
Network 36
LD T121
AN M3.3
LD M2.0
AN M3.3
AN M0.0
OLD
LD T127
O Q3.0
A T128
OLD
LD M0.0
A M6.0
OLD
= Q3.0
Network 37
LD M3.3
AN M3.7
LD M0.0
A M6.1
OLD
= Q3.1
Network 38
LD T121
AN M3.3
LD M0.0
LD M6.2
O M2.0

ALD
OLD
= Q3.2
Network 39
LD T127
O Q3.3
A T128
LD M0.0
A M6.3
OLD
= Q3.3
Network 40
LD M4.0
TON T129, 50
TOF T130, 50
Network 41
LD T121
AN M3.4
LD M2.1
AN M3.4
A M0.0
OLD
LD T129
O Q3.4
A T130
OLD
LD M0.0
A M6.4
OLD
= Q3.4
Network 42
LD M3.4
AN M4.0
LD M0.0
A M6.5
OLD
= Q3.5
Network 43
LD T121
AN M3.4
LD M0.0
LD M6.6
O M2.1
ALD

OLD

= Q3.6

Network 44

LD T129

O Q3.7

A T130

LD M0.0

A M6.7

OLD

= Q3.7

Network 45

// 供水泵累计运行 40 小时，1MMF 反冲

LD Q0.1

O Q0.2

O Q0.3

A T120

LD C10

CTU C10, 2400

Network 46

LD C10

O M30.0

AN C11

= M30.0

Network 47

// 供水泵累计运行 44 小时，2MMF 反冲

LD M30.0

A T120

LD C11

CTU C11, 240

Network 48

LD C10

O M30.1

AN C12

= M30.1

Network 49

// 供水泵累计运行 48 小时，1ACF 反冲

LD M30.1

A T120

LD C12

CTU C12, 480

Network 50

LD C10

O M30.2

AN C13

```

=      M30.2
Network 51
// 供水泵累计运行 52 小时，2ACF 反冲
LD      M30.2
A      T120
LD      C13
CTU     C13, 720
END_ORGANIZATION_BLOCK
SUBROUTINE_BLOCK 报警处理:SBR0
TITLE=子程序注释
BEGIN
Network 1 // 网络标题
// 报警不停机
LD      I1.2
O      I1.3
O      I1.5
O      I1.6
O      I4.3
O      I4.4
ON      I3.1
ON      I3.2
ON      I3.3
ON      I3.5
ON      I3.6
ON      I3.4
O      I1.1
=      M10.0
Network 2
// 报警停机
LDN     I3.0
O      I4.0
O      I4.1
O      I4.2
ON      I4.5
ON      I0.1
O      I1.4
S      M10.1, 1
Network 3
// 故障灯动作
LD      M10.0
O      M10.1
=      Q0.7
Network 4
// 蜂鸣器动作

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LD      Q0.7
EU
O       Q0.5
AN      IO.3
=       Q0.5
Network 5
// 报警复位
LD      Q0.6
A       M10.5
EU
R       M10.1, 1
END_SUBROUTINE_BLOCK
SUBROUTINE_BLOCK 供水泵平衡运转计算:SBR1
TITLE=计算三台供水泵运转时间，设定每台泵的启动优先级
BEGIN
Network 1 // 网络标题
LDN     M0.0
MOVW    C1, VW100
-I      C2, VW100
MOVW    C1, VW102
-I      C3, VW102
MOVW    C2, VW104
-I      C3, VW104
Network 2
LDW<=   VW100, 0
OW>     VW100, 2000
LDW<=   VW102, 0
OW>     VW102, 2000
ALD
=       M20.0
Network 3
LDW>    VW100, 0
AW<=    VW104, 0
LDW<    VW100, -2000
AW>     VW104, 2000
OLD
=       M20.1
Network 4
LDW>=   VW102, 0
OW<     VW102, -2000
LDW>    VW104, 0
OW<     VW104, -2000
ALD
=       M20.2

```

```
END_SUBROUTINE_BLOCK
SUBROUTINE_BLOCK 正反冲管理:SBR2
TITLE=子程序注释
BEGIN
Network 1
LD      I0.5
TON     T101, 1200
Network 2
// 砂滤器 1 进入反冲洗程序
LD      T101
O       C10
AN      M0.0
LD      M0.0
A       M1.2
O       M3.1
OLD
AN      T45
=       M3.1
MOVW    VW1110, VW1212
MUL     +10, VD1210
TON     T41, VW1212
Network 3
LD      I0.6
TON     T102, 1200
Network 4
// 砂滤器 2 进入反冲洗程序
LD      T102
O       C11
AN      M0.0
LD      M0.0
A       M1.3
O       M3.2
OLD
AN      T46
=       M3.2
MOVW    VW1112, VW1216
MUL     +10, VD1214
TON     T42, VW1216
Network 5
LD      I0.7
TON     T103, 1200
Network 6
// 碳滤器 1 进入反冲洗程序
LD      T103
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O      C12
AN     M0.0
LD     M0.0
A      M1.4
O      M3.3
OLD
AN     T47
=      M3.3
MOVW   VW1114, VW1220
MUL     +10, VD1218
TON     T43, VW1220
Network 7
LD      I1.0
TON     T104, 1200
Network 8
// 碳滤器 2 进入反冲洗程序
LD      T104
O      C13
AN     M0.0
LD     M0.0
A      M1.5
O      M3.4
OLD
AN     T48
=      M3.4
MOVW   VW1116, VW1224
MUL     +10, VD1222
TON     T44, VW1224
Network 9
// 系统进入冲洗状态, 结束产水
LD      M3.1
O      M3.2
O      M3.3
O      M3.4
=      M10.2
Network 10
LD      T41
=      M3.5
MOVW   VW110, VW212
MUL     +10, VD210
TON     T45, VW212
Network 11
LD      T42
=      M3.6

```

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MOVW    VW112, VW216
MUL      +10, VD214
TON      T46, VW216
Network 12
LD       T43
=        M3.7
MOVW     VW114, VW220
MUL      +10, VD218
TON      T47, VW220
Network 13
LD       T44
=        M4.0
MOVW     VW116, VW224
MUL      +10, VD222
TON      T48, VW224
Network 14
LD       M3.1
AN       T41
LD       M3.2
AN       T42
OLD
LD       M3.3
AN       T43
OLD
LD       M3.4
AN       T44
OLD
=        M4.1
Network 15
LD       T41
AN       T45
LD       T42
AN       T46
OLD
LD       T43
AN       T47
OLD
LD       T44
AN       T48
OLD
=        M4.2
END_SUBROUTINE_BLOCK
INTERRUPT_BLOCK INT_0:INT0
TITLE=中断程序注释

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```
BEGIN
Network 1 // 网络标题
// 网络注释
END_INTERRUPT_BLOCK
```