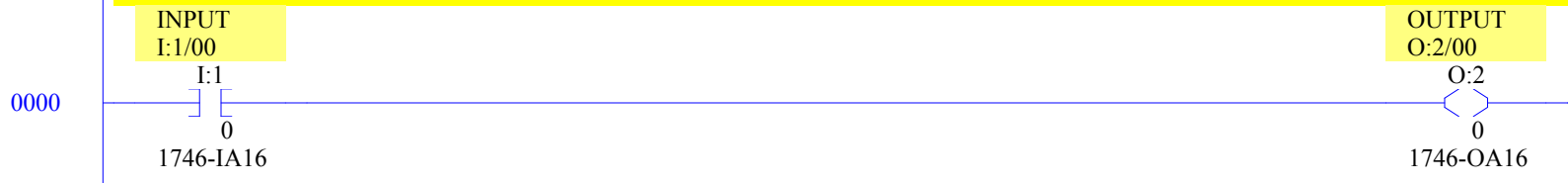
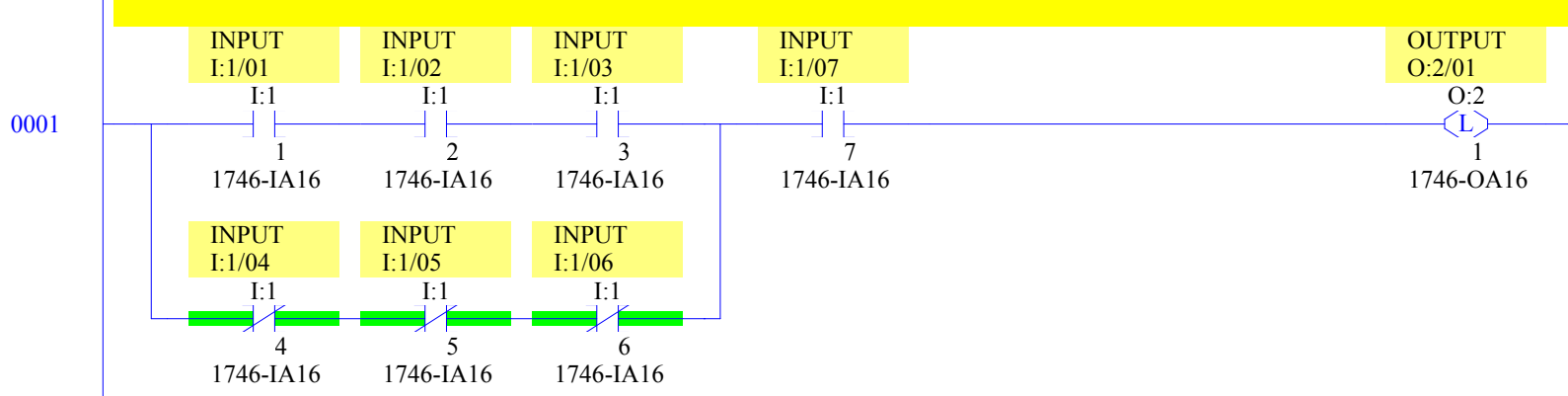


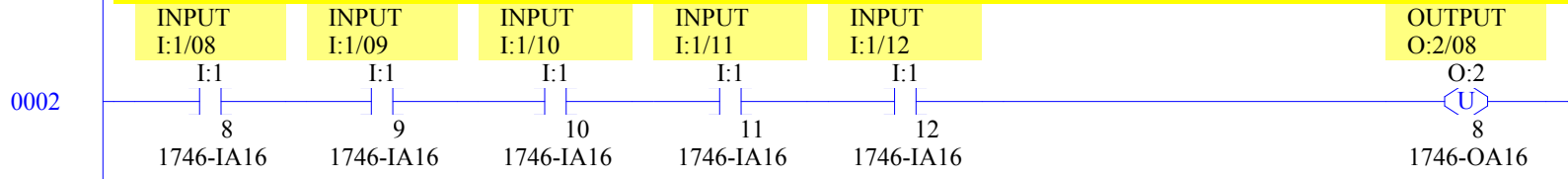
This program is totally useless...
 as far as controlling any process. Now on the other hand if you would like to see how different instructions are converted read on.



This program was converted using the 1756 option. I/O modules were converted to a local 1756 module in the ControlLogix chassis. I/O addresses will convert to: Local:SS:I.Data.TT



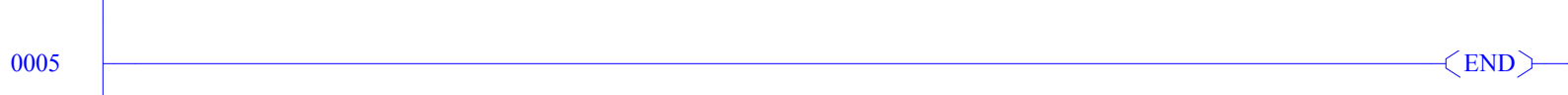
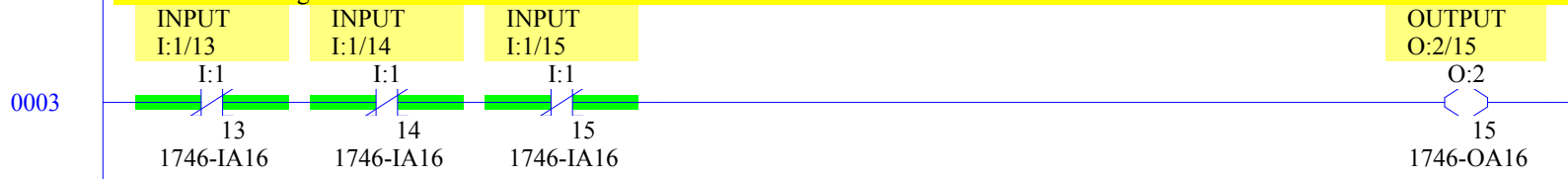
where:
 SS = slot
 I = Input (or O for Output)
 TT = Terminal

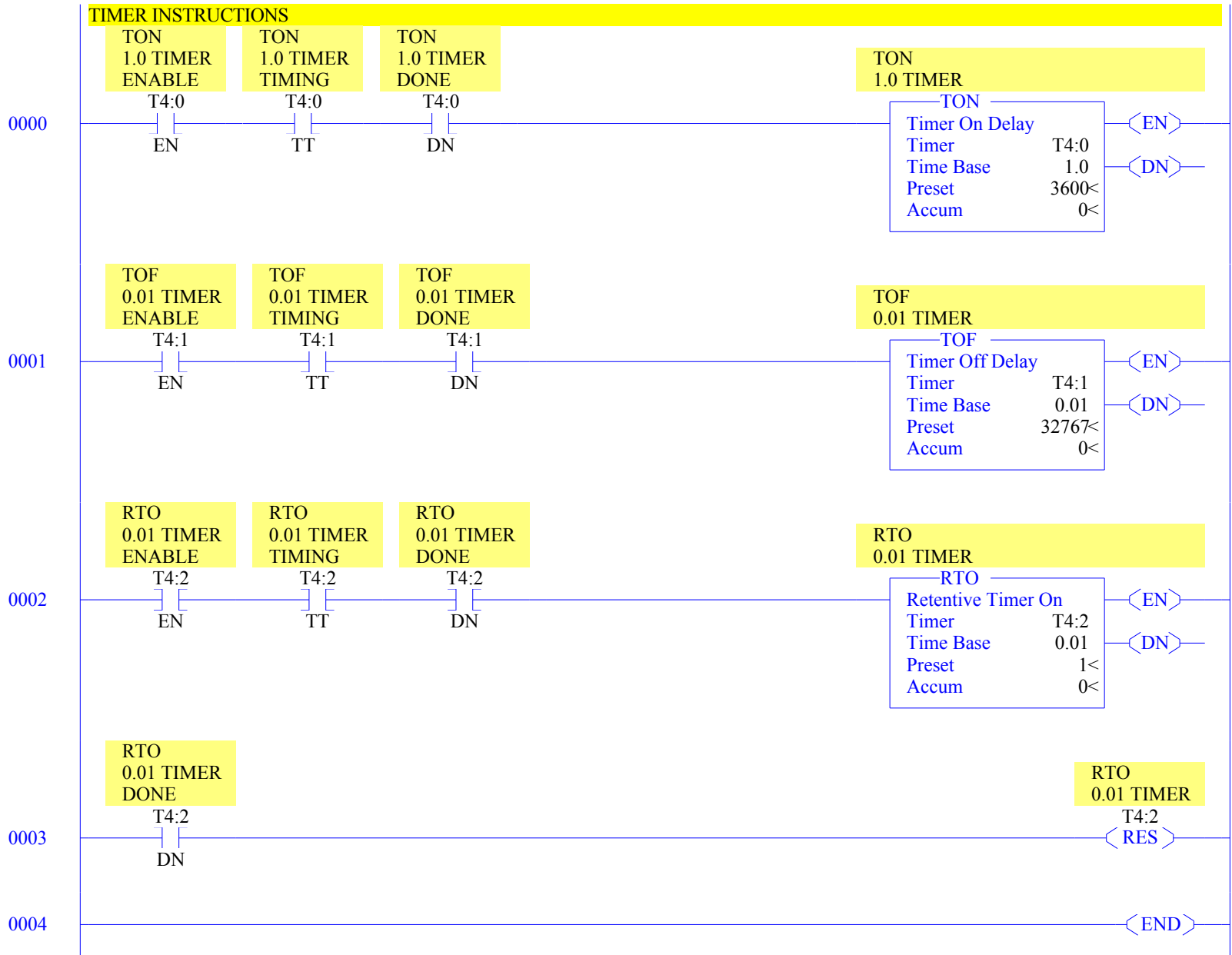


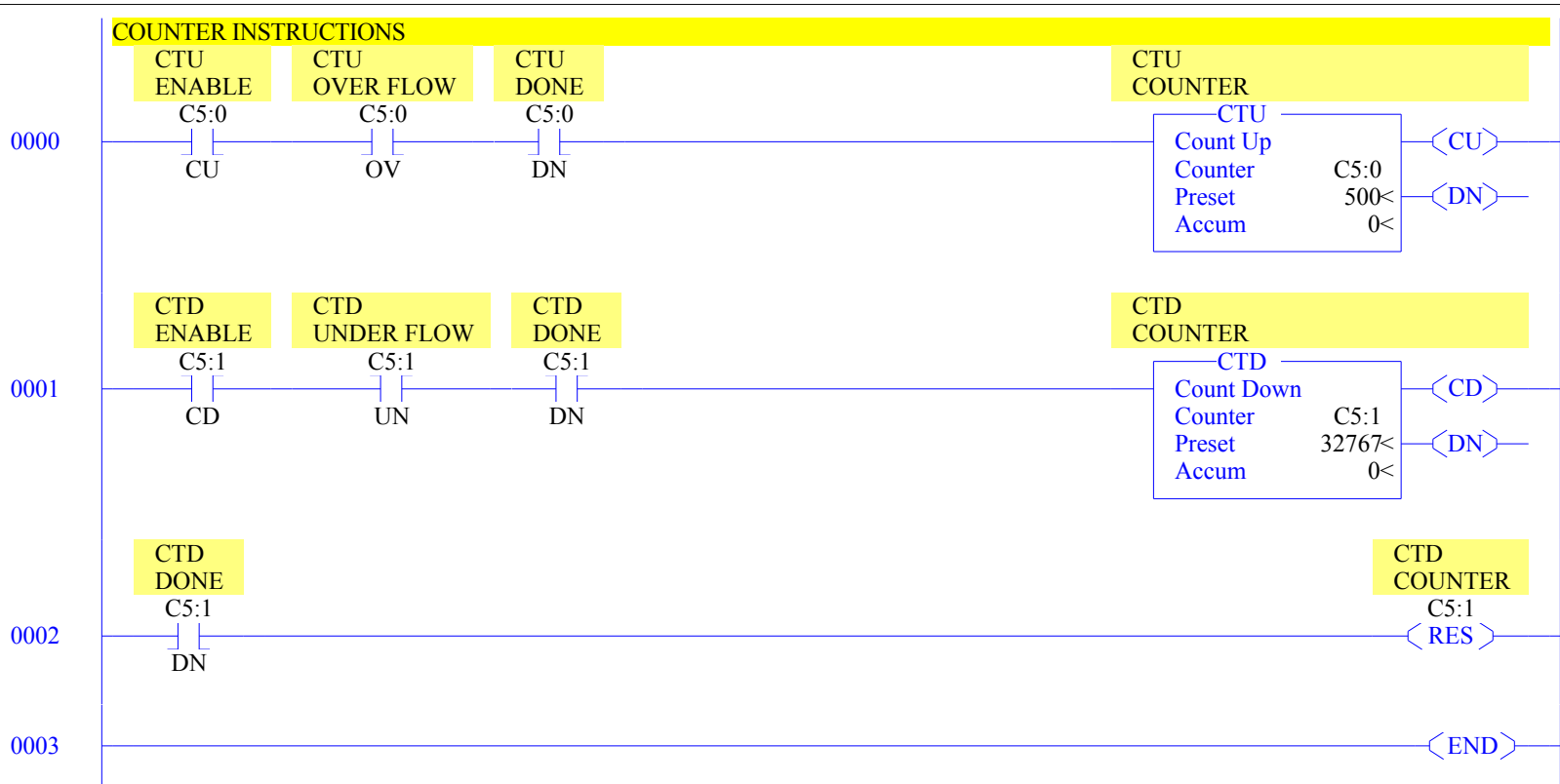
I/O outside of this range (or using the NONE option) or modules that don't convert will point to the INT array (Ixxx or Oxxx).

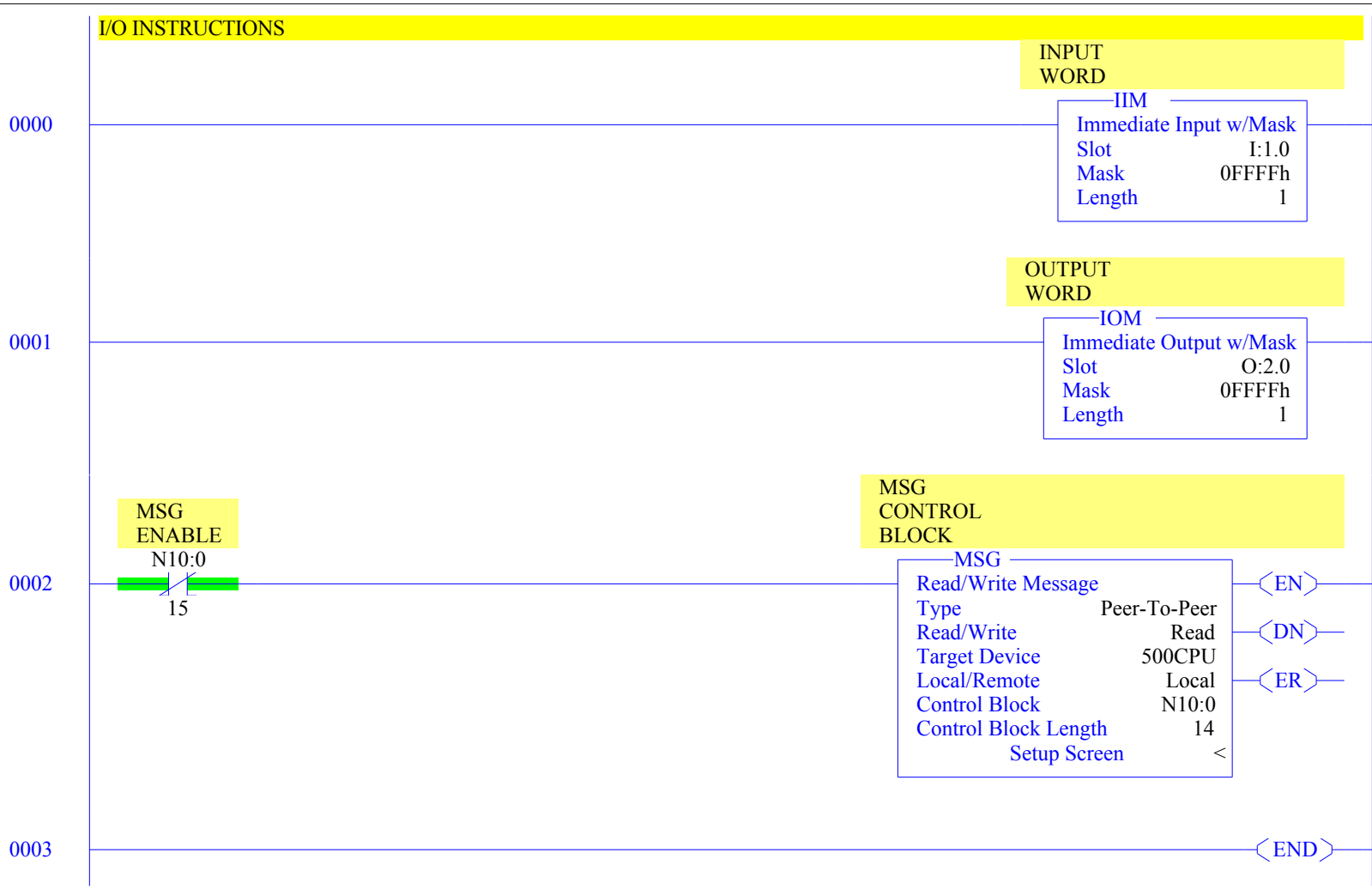
where: xxx = slot

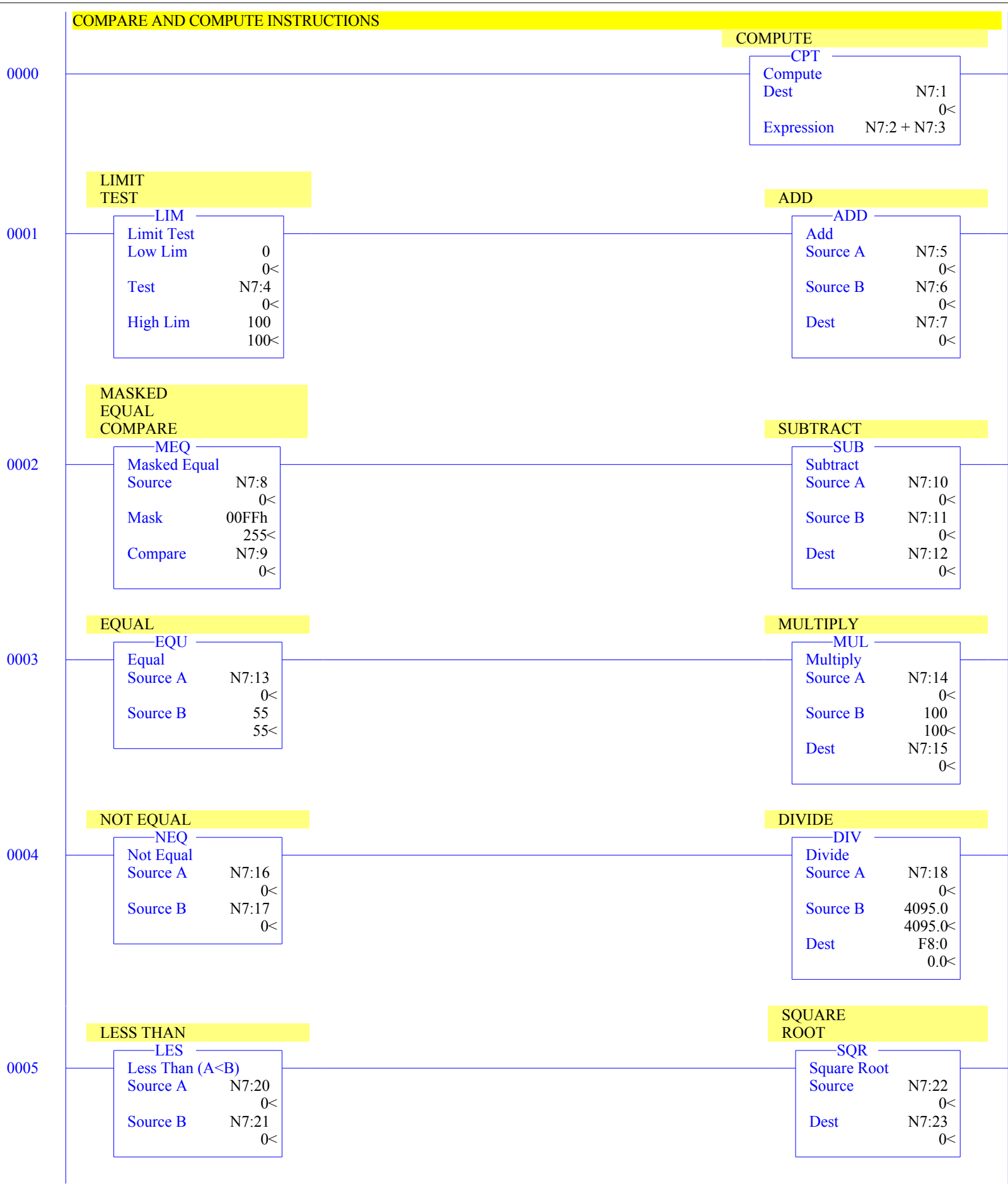
This section of rungs show how BITS are converted.

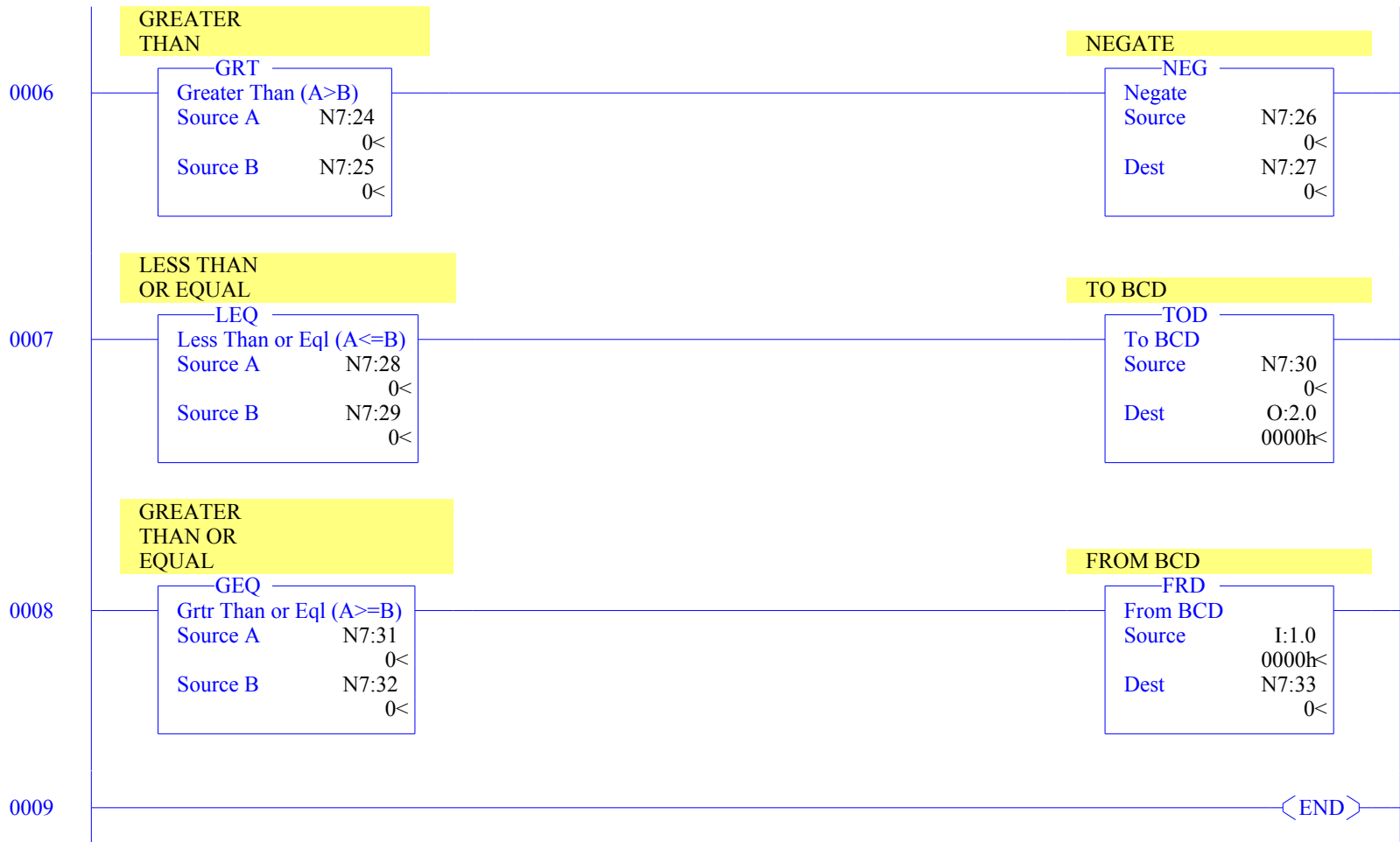








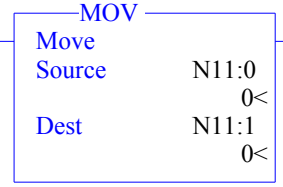




WORD MOVE AND LOGICAL INSTRUCTIONS

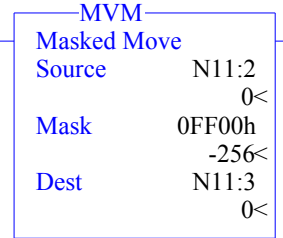
0000

**MOVE
WORD**



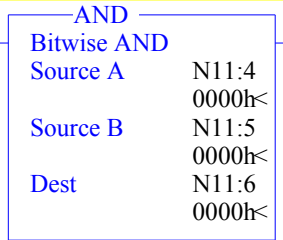
0001

**MASKED
MOVE
WORD**



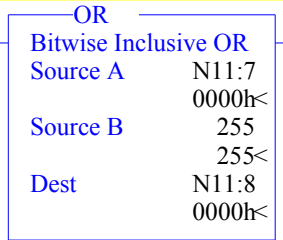
0002

**BITWISE
AND**



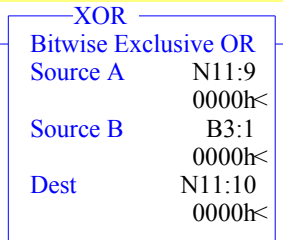
0003

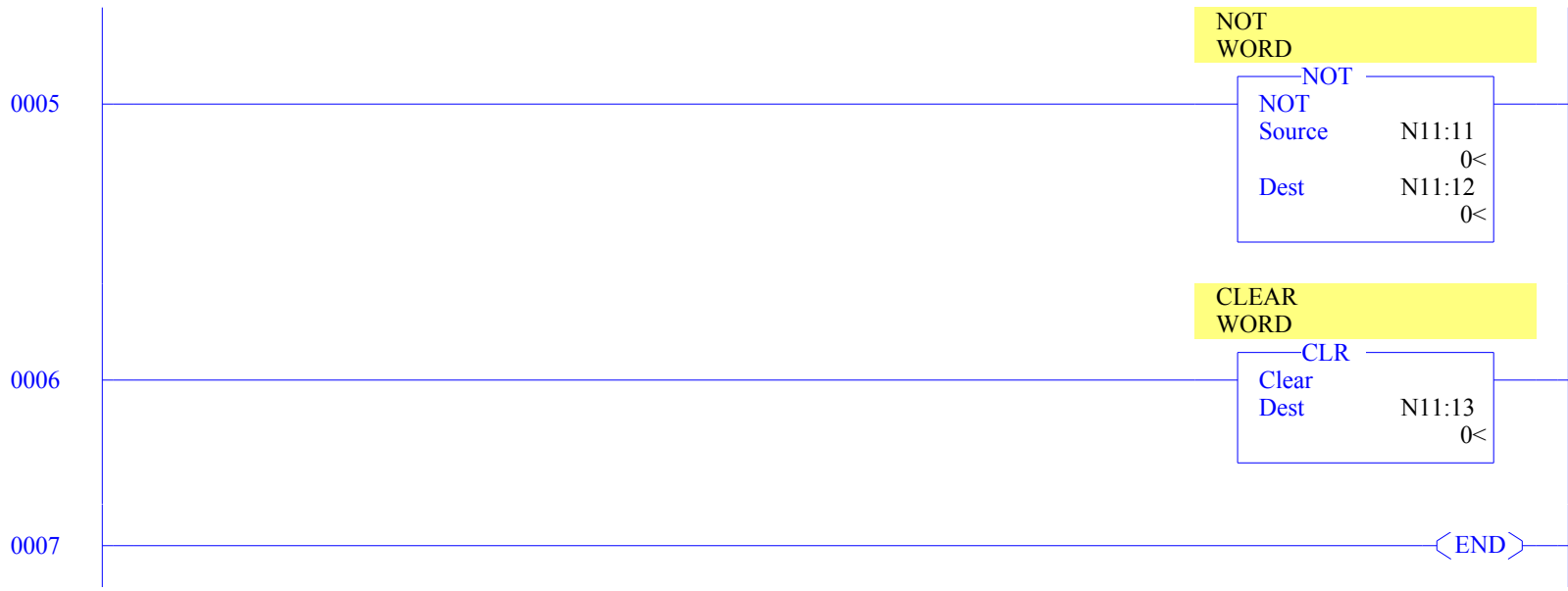
**BITWISE
OR**



0004

**BITWISE
EXCULSIVE
OR**





FILE INSTRUCTIONS AND PID

COPY FILE

COP
Copy File
Source #N12:0
Dest #N12:10
Length 10

FILL FILE

FLL
Fill File
Source 0
Dest #N12:20
Length 10

DOUBLE DIVIDE

DDV
Double Divide
Source N12:30
0<
Dest N12:31
0<

SCALE

SCL
Scale
Source N12:32
0<
Rate [/10000] 1250
1250<
Offset 32
32<
Dest N12:33
0<

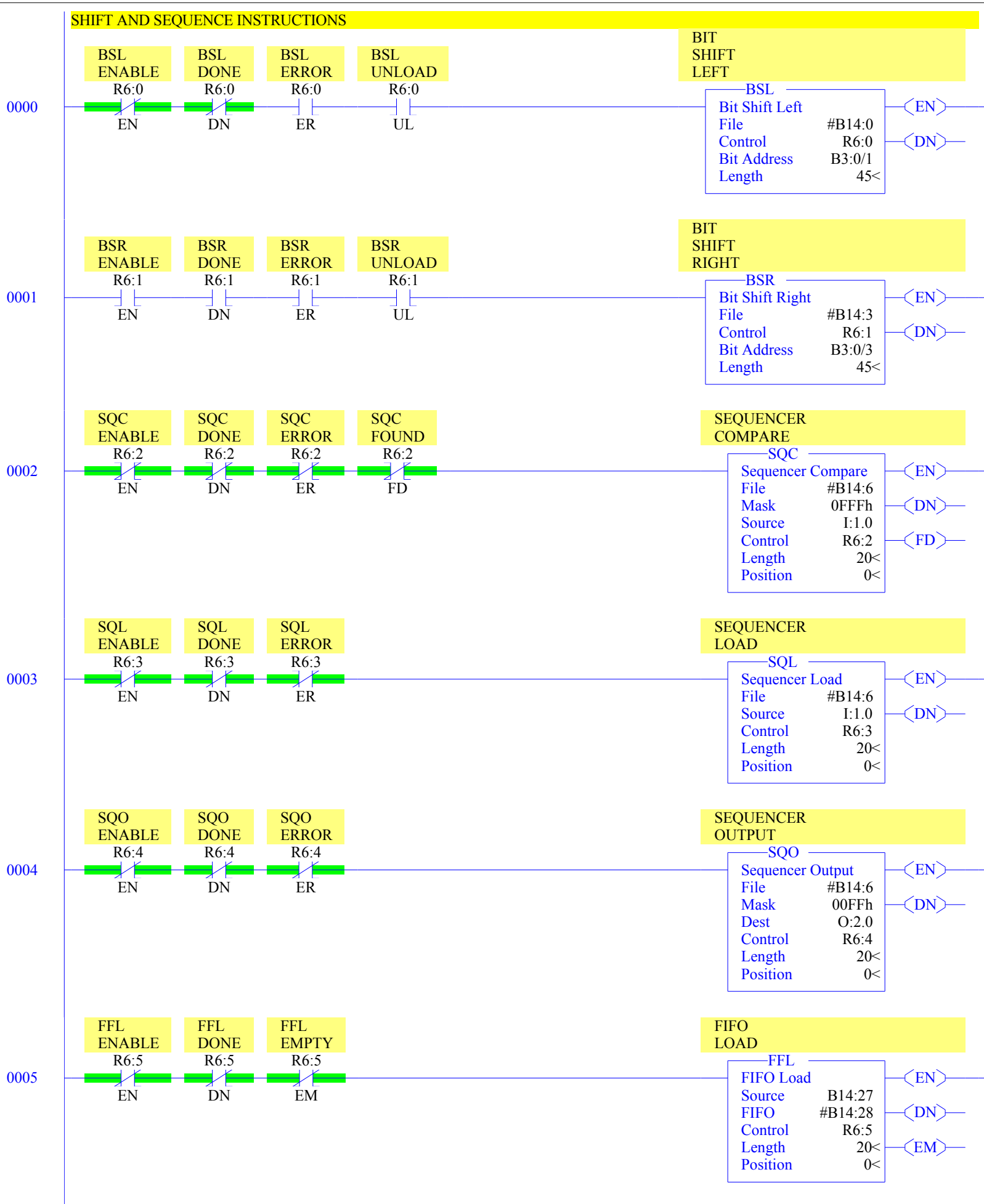
PID ENABLE BIT

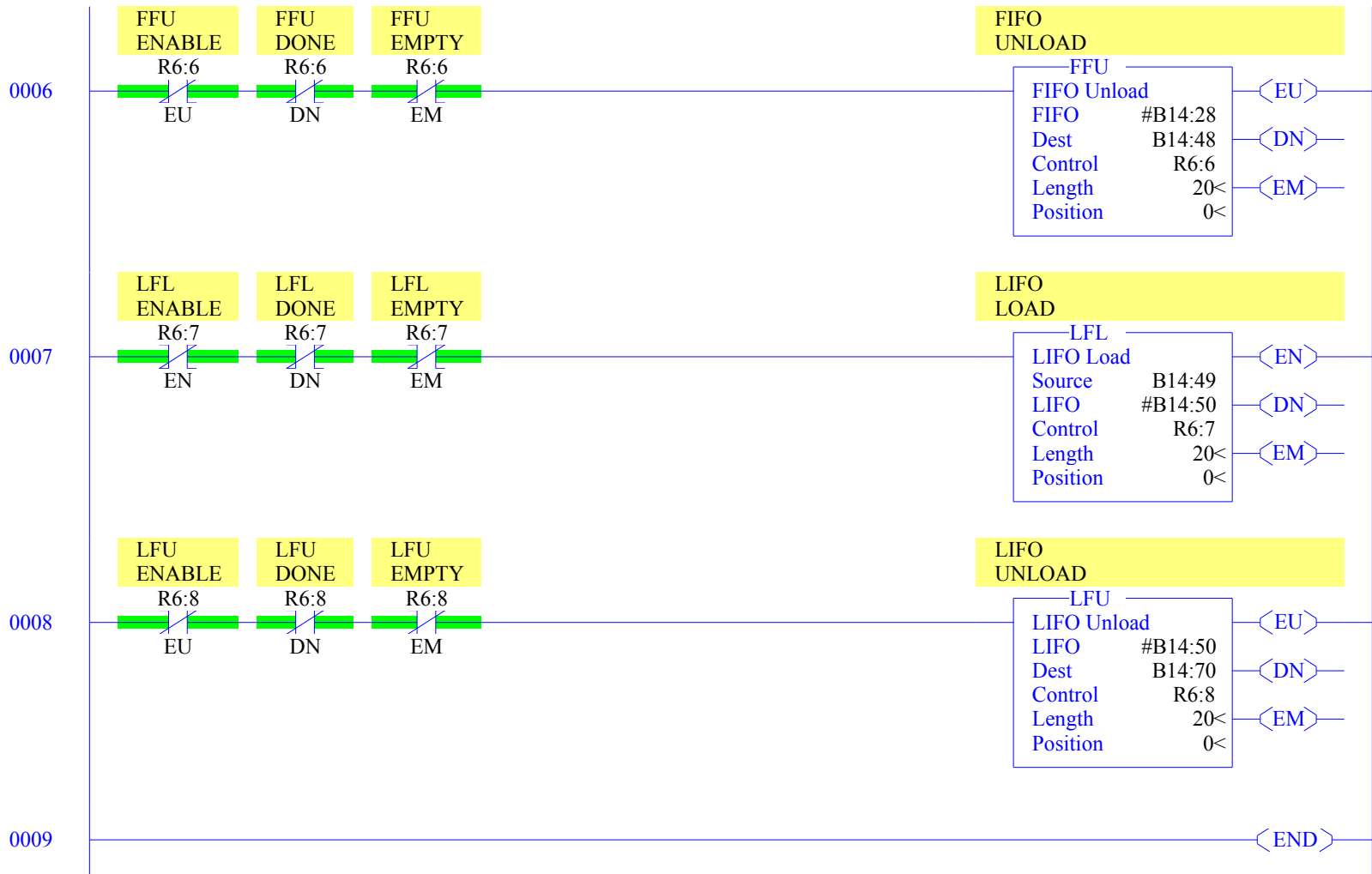
N13:0
15

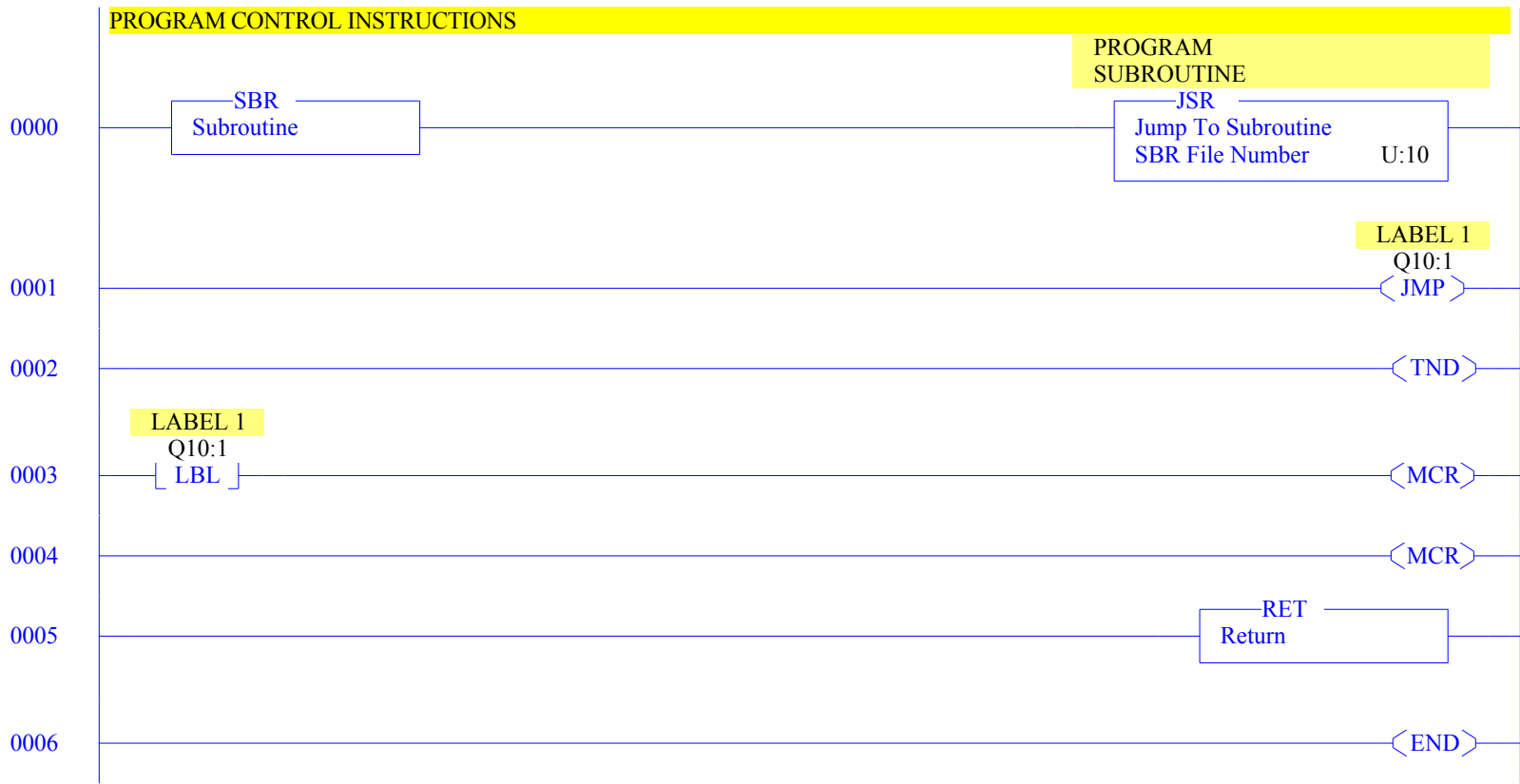
PID CONTROL BLOCK

PID
PID
Control Block N13:0
Process Variable N12:34
Control Variable N12:35
Control Block Length 23
Setup Screen <

<END>







ADVANCED MATH INSTRUCTIONS

SINE

0000

SIN	
Sine Source	F15:0 0.0<
Dest	F15:1 0.0<

COSINE

0001

COS	
Cosine Source	F15:2 0.0<
Dest	F15:3 0.0<

TANGENT

0002

TAN	
Tangent Source	F15:4 0.0<
Dest	F15:5 0.0<

ARCSINE

0003

ASN	
Arc Sine Source	F15:6 0.0<
Dest	F15:7 0.0<

ARCCOSINE

0004

ACS	
Arc Cosine Source	F15:8 0.0<
Dest	F15:9 0.0<

ARCTANGENT

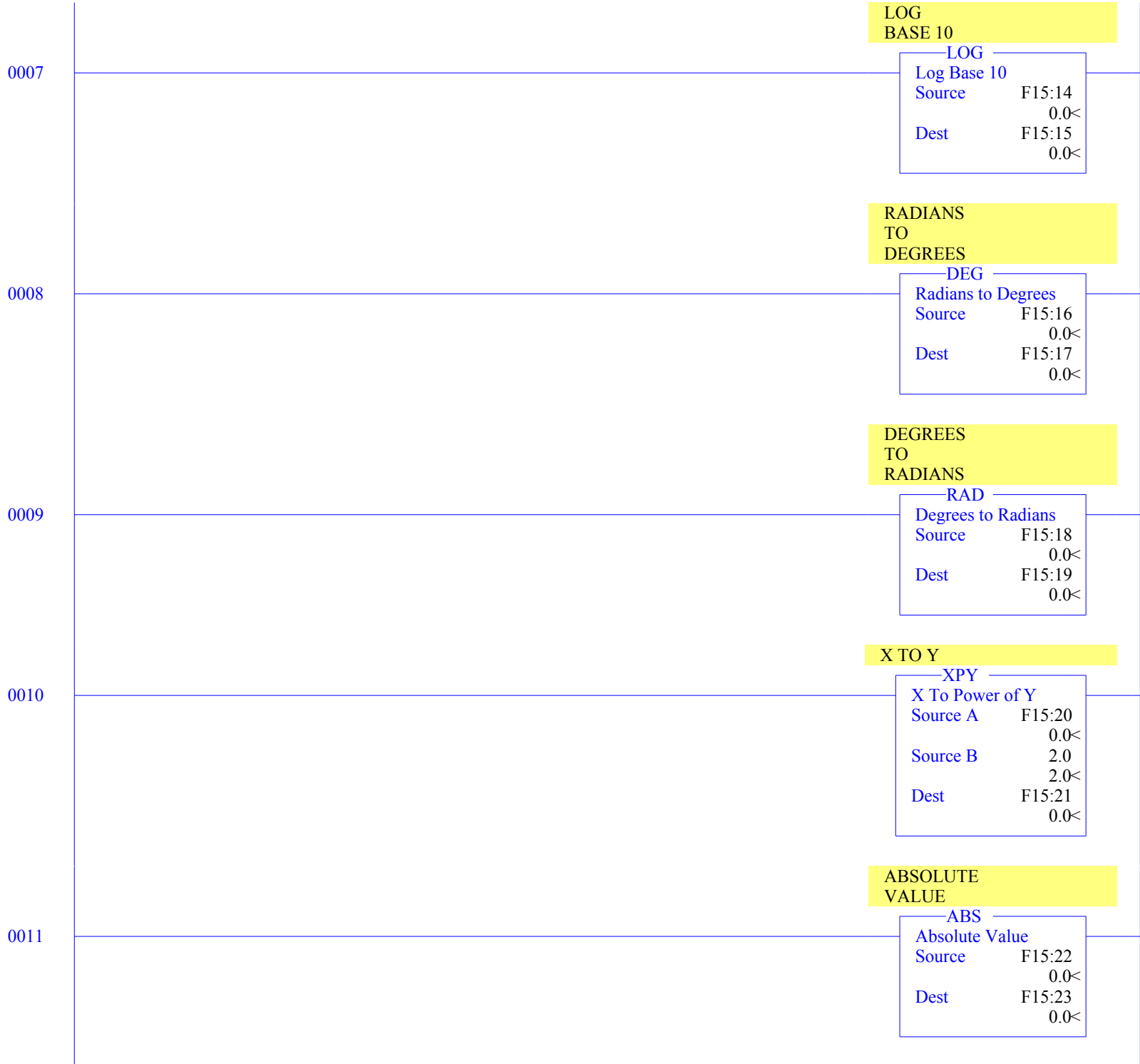
0005

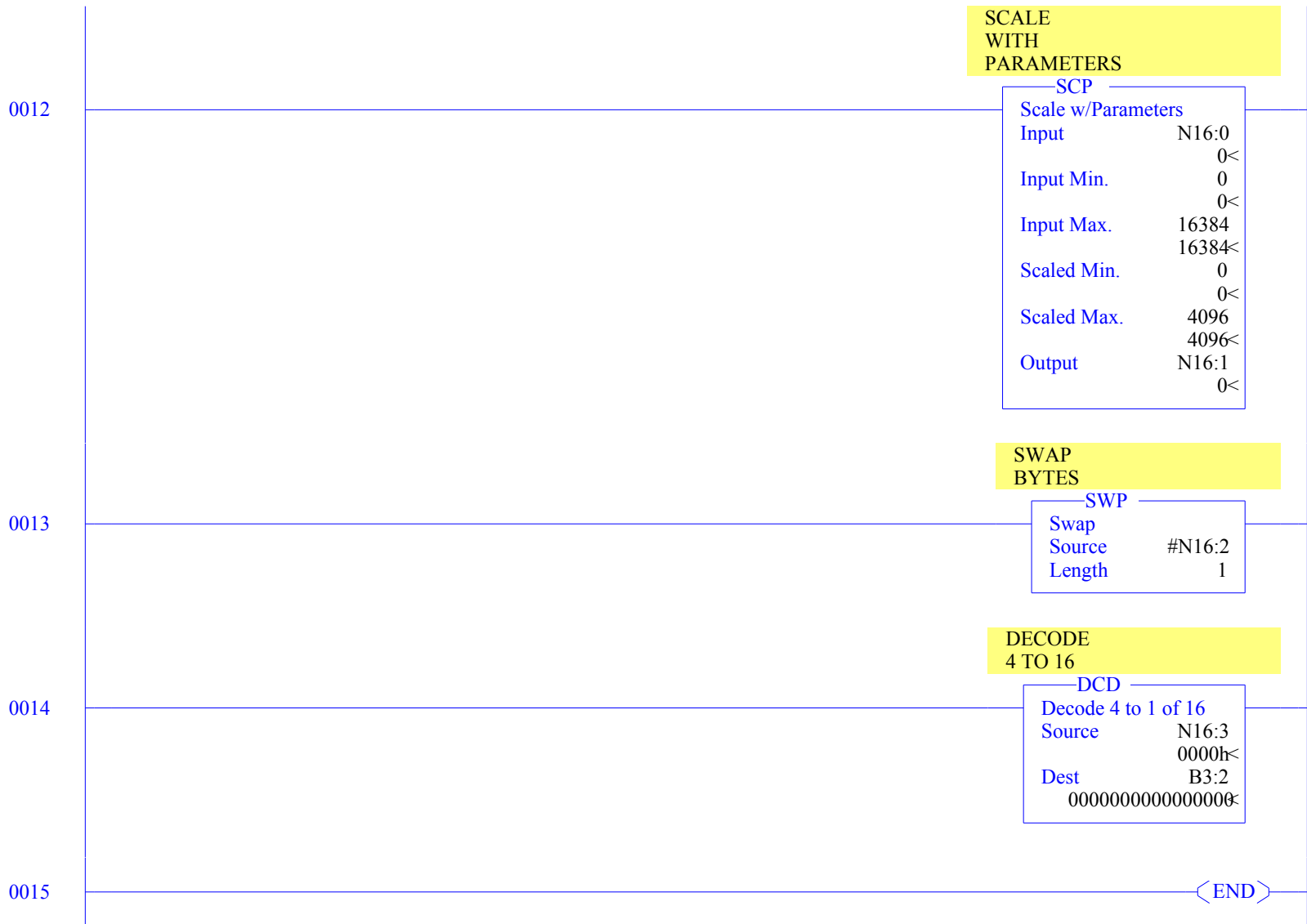
ATN	
Arc Tangent Source	F15:10 0.0<
Dest	F15:11 0.0<

NATURAL LOG

0006

LN	
Natural Log Source	F15:12 0.0<
Dest	F15:13 0.0<



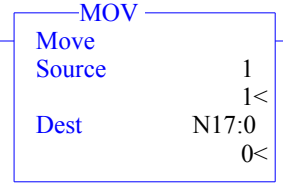


INDIRECT ADDRESSING

These rungs show how indirect addresses will be converted. Indirect addresses can not be documented in the ControlLogix.

0000

POINTER ADDRESS

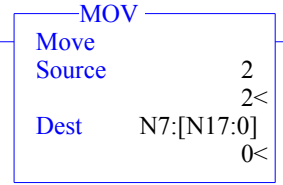


0001

BIT INDIRECT ADDRESS



WORD INDIRECT ADDRESS



0002

END