

0

SFB4 - SFB OnDelay
Timer

SFB4_OnDelayTimer

SFB4 - SFB OnDelay Timer	SFB4_OnDelayTimer	...
SFB4_OnDelayTimer	SFB4_OnDelayTimer	...
iP100Ms	SFB4_OnDelayTimer.iP100Ms	0
IN	SFB4_OnDelayTimer.IN	0
PT	SFB4_OnDelayTimer.PT	0
Q	SFB4_OnDelayTimer.Q	0

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SFB5 - SFB OffDelay
Timer

SFB5_OffDelayTimer

SFB5 - SFB OffDelay Timer	SFB5_OffDelayTimer	...
SFB5_OffDelayTimer	SFB5_OffDelayTimer	...
iP100Ms	SFB5_OffDelayTimer.iP100Ms	0
IN	SFB5_OffDelayTimer.IN	0
PT	SFB5_OffDelayTimer.PT	0
Q	SFB5_OffDelayTimer.Q	0

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FB100_Lift

FB100_Lift	FB100_Lift ...
iAutomaticMode	FB100_Lift.iAutomaticMode 0
iManualMode	FB100_Lift.iManualMode 0
iManualUp	FB100_Lift.iManualUp 0
iManualDown	FB100_Lift.iManualDown 0
iInverterOk	FB100_Lift.iInverterOk 0
iProx_LiftTopPos	FB100_Lift.iProx_LiftTopPos 0
iProx_LowSpeedTopPos	FB100_Lift.iProx_LowSpeedTopPos 0
iProx_MiddlePos_1	FB100_Lift.iProx_MiddlePos_1 0
iProx_MiddlePos_2	FB100_Lift.iProx_MiddlePos_2 0
iProx_LowSpeedBottomPos	FB100_Lift.iProx_LowSpeedBottomPos 0
iProx_LiftBottomPos	FB100_Lift.iProx_LiftBottomPos 0
oLiftUp	FB100_Lift.oLiftUp 0
oLiftDown	FB100_Lift.oLiftDown 0
oLiftLowSpeed	FB100_Lift.oLiftLowSpeed 0
oLiftOnTopPosition	FB100_Lift.oLiftOnTopPosition 0
oLiftOnMiddlePosition	FB100_Lift.oLiftOnMiddlePosition 0
oLiftOnBottomPosition	FB100_Lift.oLiftOnBottomPosition 0
xToPosition	FB100_Lift_xPosition

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FB101_LiftConveyor		
FB101_LiftConveyor	FB101_LiftConveyor	...
iAutomaticMode	FB101_LiftConveyor.iAutomaticMode	0
iManualMode	FB101_LiftConveyor.iManualMode	0
iManualOn	FB101_LiftConveyor.iManualOn	0
iDirectionOfRotation	FB101_LiftConveyor.iDirectionOfRotation	0
iInfeed_Outfeed	FB101_LiftConveyor.iInfeed_Outfeed	0
iLift_On_Position	FB101_LiftConveyor.iLift_On_Position	0
iPC_Conveyor_Left	FB101_LiftConveyor.iPC_Conveyor_Left	0
iPC_Conveyor_Right	FB101_LiftConveyor.iPC_Conveyor_Right	0
iStartInfeed	FB101_LiftConveyor.iStartInfeed	0
iOutfeedReady	FB101_LiftConveyor.iOutfeedReady	0
iPuls_FP_100msec	FB101_LiftConveyor.iPuls_FP_100msec	0
iNumberOfProductsOnConv	FB101_LiftConveyor.iNumberOfProductsOnConv	0
iTimeEmpty	FB101_LiftConveyor.iTimeEmpty	0
oMotor_CW	FB101_LiftConveyor.oMotor_CW	0
oMotor_CCW	FB101_LiftConveyor.oMotor_CCW	0
oConvReadyNextProduct	FB101_LiftConveyor.oConvReadyNextProduct	0
oConveyorOccupied	FB101_LiftConveyor.oConveyorOccupied	0

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FB102_Infeedconveyor		
FB102_Infeedconveyor	FB102_InfeedConveyor	...
iAutomaticMode	FB102_InfeedConveyor.iAutomaticMode	0
iManualMode	FB102_InfeedConveyor.iManualMode	0
iManualConveyorOn	FB102_InfeedConveyor.iManualConveyorOn	0
iPC_EndOfConveyor	FB102_InfeedConveyor.iPC_EndOfConveyor	0
iNextConvReady	FB102_InfeedConveyor.iNextConvReady	0
iNextConvFull	FB102_InfeedConveyor.iNextConvFull	0
iNumberOfProductsOnLift	FB102_InfeedConveyor.iNumberOfProductsOnLift	0
oMotor	FB102_InfeedConveyor.oMotor	0

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FB103_Outfeedconveyor

FB103_Outfeedconveyor	FB103_OutfeedConveyor	...
iAutomaticMode	FB103_OutfeedConveyor.iAutomaticMode	0
iManualMode	FB103_OutfeedConveyor.iManualMode	0
iManualConveyorOn	FB103_OutfeedConveyor.iManualConveyorOn	0
iPC_Conveyor	FB103_OutfeedConveyor.iPC_Conveyor	0
iPuls_FP_100msec	FB103_OutfeedConveyor.iPuls_FP_100msec	0
iTimeConveyorFull	FB103_OutfeedConveyor.iTimeConveyorFull	0
iTimeConveyorEmpty	FB103_OutfeedConveyor.iTimeConveyorEmpty	0
oMotor	FB103_OutfeedConveyor.oMotor	0
oConveyorReady	FB103_OutfeedConveyor.oConveyorReady	0

(End)


















FB100_Lift v1.0

Available Languages

 Relay Ladder

FB100_Lift		
FB100_Lift	?	...
iAutomaticMode	?	
	??	
iManualMode	?	
	??	
iManualUp	?	
	??	
iManualDown	?	
	??	
iInverterOk	?	
	??	
iProx_LiftTopPos	?	
	??	
iProx_LowSpeedTopPos	?	
	??	
iProx_MiddlePos_1	?	
	??	
iProx_MiddlePos_2	?	
	??	
iProx_LowSpeedBottomPos	?	
	??	
iProx_LiftBottomPos	?	
	??	
oLiftUp	?	
	??	
oLiftDown	?	
	??	
oLiftLowSpeed	?	
	??	
oLiftOnTopPosition	?	
	??	
oLiftOnMiddlePosition	?	
	??	
oLiftOnBottomPosition	?	
	??	
xToPosition	?	

 Function Block

FB100_Lift		
 iAutomaticMode		 oLiftUp
 iManualMode		 oLiftDown
 iManualUp		 oLiftLowSpeed
 iManualDown		 oLiftOnTopPosition
 iInverterOk		 oLiftOnMiddlePosition
 iProx_LiftTopPos		 oLiftOnBottomPosition
 iProx_LowSpeedTopPos		
 iProx_MiddlePos_1		
 iProx_MiddlePos_2		
 iProx_LowSpeedBottomPos		
 iProx_LiftBottomPos		
xToPosition		?

Structured Text

FB100_Lift(iAutomaticMode, iManualMode, iManualUp, iManualDown, iInverterOk, iProx_LiftTopPos, iProx_LowSpeedTopPos, iProx_MiddlePos_1, iProx_MiddlePos_2, iProx_LowSpeedBottomPos, iProx_LiftBottomPos, oLiftUp, oLiftDown, oLiftLowSpeed, oLiftOnTopPosition, oLiftOnMiddlePosition, oLiftOnBottomPosition, xToPosition);

Parameters

Required	Name	Data Type	Usage	Description
X	FB100_Lift	FB100_Lift	InOut	
	EnableIn	BOOL	Input	
	EnableOut	BOOL	Output	
X	iAutomaticMode	BOOL	Input	Prorunner is in automatic mode
X	iManualMode	BOOL	Input	Prorunner is in manual mode
X	iManualUp	BOOL	Input	
X	iManualDown	BOOL	Input	
X	iInverterOk	BOOL	Input	Frequency inverter lift ok
X	iProx_LiftTopPos	BOOL	Input	Proximity switch lift is up
X	iProx_LowSpeedTopPos	BOOL	Input	Proximity switch lift low speed up
X	iProx_MiddlePos_1	BOOL	Input	Proximity switch lift position 1
X	iProx_MiddlePos_2	BOOL	Input	Proximity switch lift position 2
X	iProx_LowSpeedBottomPos	BOOL	Input	Proximity switch lift low speed down
X	iProx_LiftBottomPos	BOOL	Input	Proximity switch lift is down
X	oLiftUp	BOOL	Output	Lift up
X	oLiftDown	BOOL	Output	Lift down
X	oLiftLowSpeed	BOOL	Output	Lift low speed
X	oLiftOnTopPosition	BOOL	Output	
X	oLiftOnMiddlePosition	BOOL	Output	
X	oLiftOnBottomPosition	BOOL	Output	
X	xToPosition	INT	InOut	Lift must go to position?(1=down, 2=pos2, 3=up) When 0 new pos.can be set.

Extended Description

Execution

Condition Description

EnableIn is true

Revision v1.0 Notes

Prorunner_MK1:FB100_Lift

10/06/2014 12:07:23

Data Type Size: 32 byte (s)

...len_Bradley_RSLogix5000\Qimarox_ProrunnerMK1_140610.ACD

Data Context: FB100_Lift <definition>

Name	Default	Data Type	Scope
iAutomaticMode Prorunner is in automatic mode Usage: Required: Visible: <i>iAutomaticMode - FB100_Lift/Logic - 0(XIC), 0(XIO)</i>	0 Input Parameter Yes Yes	BOOL	FB100_Lift
iInverterOk Frequency inverter lift ok Usage: Required: Visible: <i>iInverterOk - FB100_Lift/Logic - 0(XIC)</i>	0 Input Parameter Yes Yes	BOOL	FB100_Lift
iManualDown Usage: Required: Visible: <i>iManualDown - FB100_Lift/Logic - 25(XIC), 27(XIO)</i>	0 Input Parameter Yes Yes	BOOL	FB100_Lift
iManualMode Prorunner is in manual mode Usage: Required: Visible: <i>iManualMode - FB100_Lift/Logic - 0(XIC), 0(XIO)</i>	0 Input Parameter Yes Yes	BOOL	FB100_Lift
iManualUp Usage: Required: Visible: <i>iManualUp - FB100_Lift/Logic - 25(XIC), 27(XIO)</i>	0 Input Parameter Yes Yes	BOOL	FB100_Lift
iProx_LiftBottomPos Proximity switch lift is down Usage: Required: Visible: <i>iProx_LiftBottomPos - FB100_Lift/Logic - 1(XIC), 25(XIO), 29(XIO)</i>	0 Input Parameter Yes Yes	BOOL	FB100_Lift
iProx_LiftTopPos Proximity switch lift is up Usage: Required: Visible: <i>iProx_LiftTopPos - FB100_Lift/Logic - 25(XIO), 28(XIO), 3(XIC)</i>	0 Input Parameter Yes Yes	BOOL	FB100_Lift
iProx_LowSpeedBottomPos Proximity switch lift low speed down Usage: Required: Visible: <i>iProx_LowSpeedBottomPos - FB100_Lift/Logic - 30(XIC)</i>	0 Input Parameter Yes Yes	BOOL	FB100_Lift
iProx_LowSpeedTopPos Proximity switch lift low speed up Usage: Required: Visible: <i>iProx_LowSpeedTopPos - FB100_Lift/Logic - 30(XIC)</i>	0 Input Parameter Yes Yes	BOOL	FB100_Lift
iProx_MiddlePos_1 Proximity switch lift position 1	0	BOOL	FB100_Lift

iProx_MiddlePos_1 (Continued)

Required: Yes

Visible: Yes

iProx_MiddlePos_1 - FB100_Lift/Logic - 2(XIC), 24(XIC), 30(XIC)

iProx_MiddlePos_2	0	BOOL	FB100_Lift
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Proximity switch lift position 2

Usage: Input Parameter

Required: Yes

Visible: Yes

iProx_MiddlePos_2 - FB100_Lift/Logic - 2(XIC), 24(XIC), 30(XIC)

oLiftDown	0	BOOL	FB100_Lift
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Lift down

Usage: Output Parameter

Required: Yes

Visible: Yes

*oLiftDown - FB100_Lift/Logic - *29(OTE)*

oLiftLowSpeed	0	BOOL	FB100_Lift
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Lift low speed

Usage: Output Parameter

Required: Yes

Visible: Yes

*oLiftLowSpeed - FB100_Lift/Logic - *30(OTE)*

oLiftOnBottomPosition	0	BOOL	FB100_Lift
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Usage: Output Parameter

Required: Yes

Visible: Yes

*oLiftOnBottomPosition - FB100_Lift/Logic - *6(OTE)*

oLiftOnMiddlePosition	0	BOOL	FB100_Lift
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Usage: Output Parameter

Required: Yes

Visible: Yes

*oLiftOnMiddlePosition - FB100_Lift/Logic - *5(OTE)*

oLiftOnTopPosition	0	BOOL	FB100_Lift
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Usage: Output Parameter

Required: Yes

Visible: Yes

*oLiftOnTopPosition - FB100_Lift/Logic - *4(OTE)*

oLiftUp	0	BOOL	FB100_Lift
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Lift up

Usage: Output Parameter

Required: Yes

Visible: Yes

*oLiftUp - FB100_Lift/Logic - *28(OTE)*

xToPosition	??	INT	FB100_Lift
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Lift must go to position?(1=down, 2=pos2, 3=up) When 0 new pos.can be set.

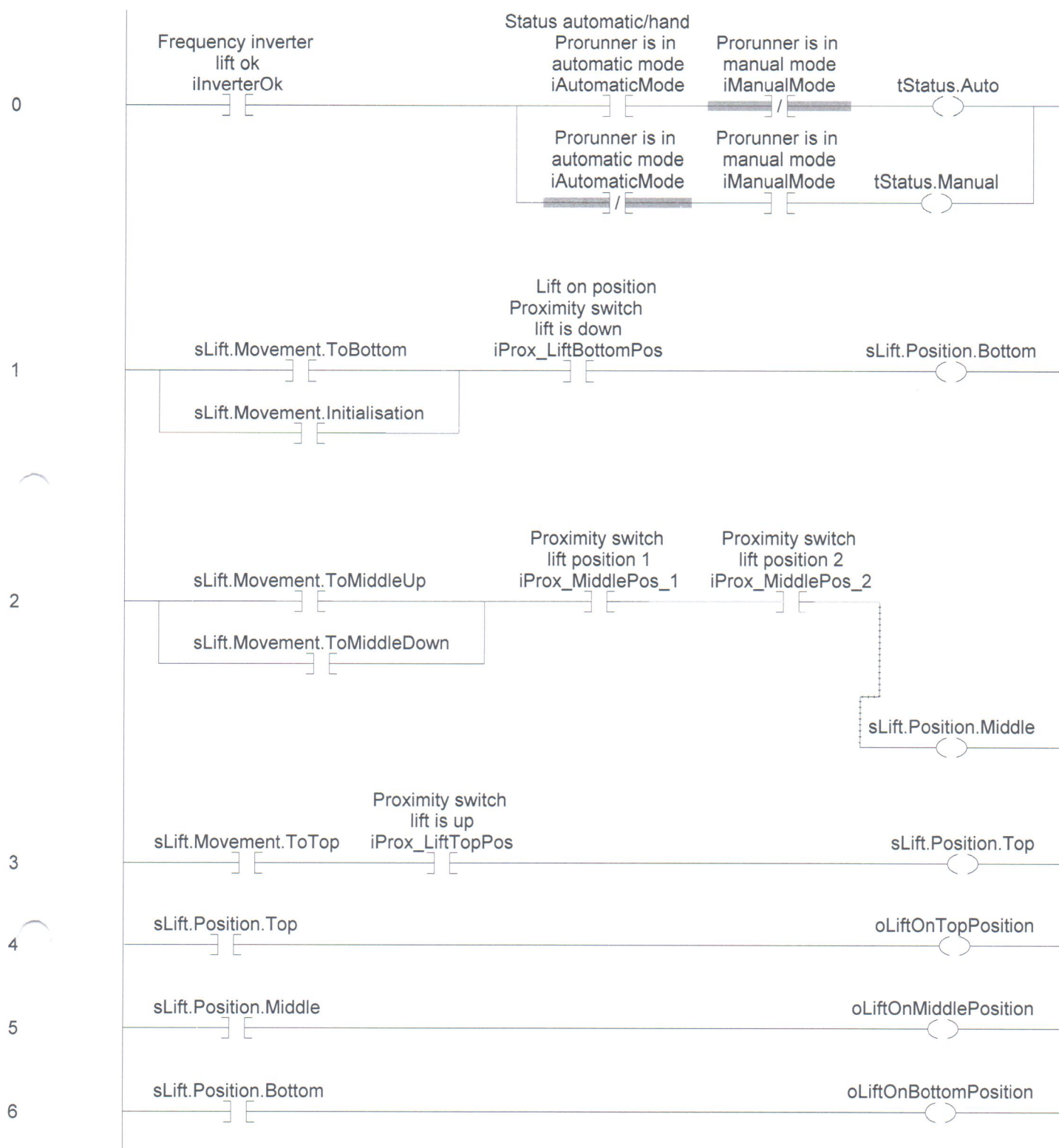
Usage: InOut Parameter

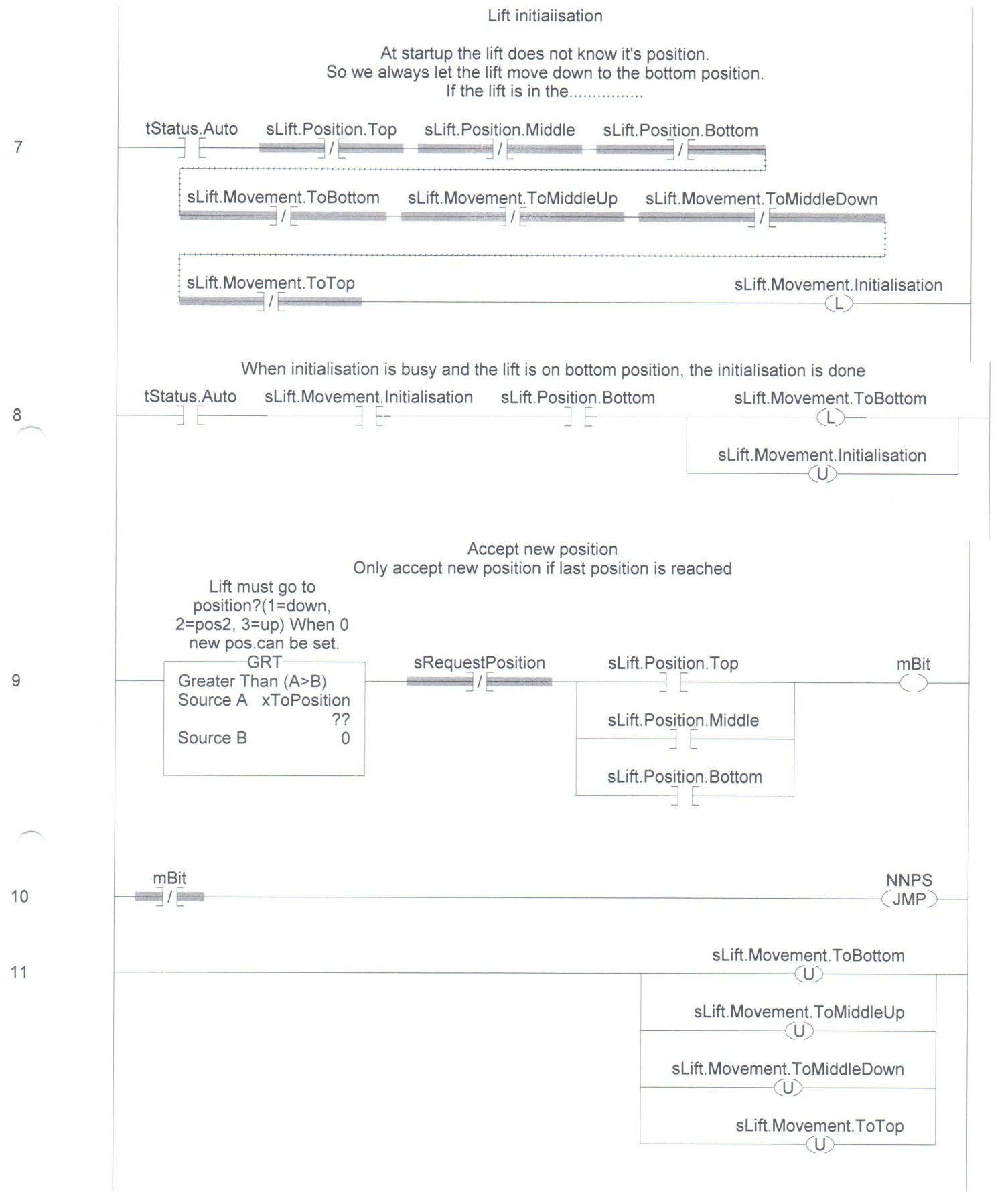
Required: Yes

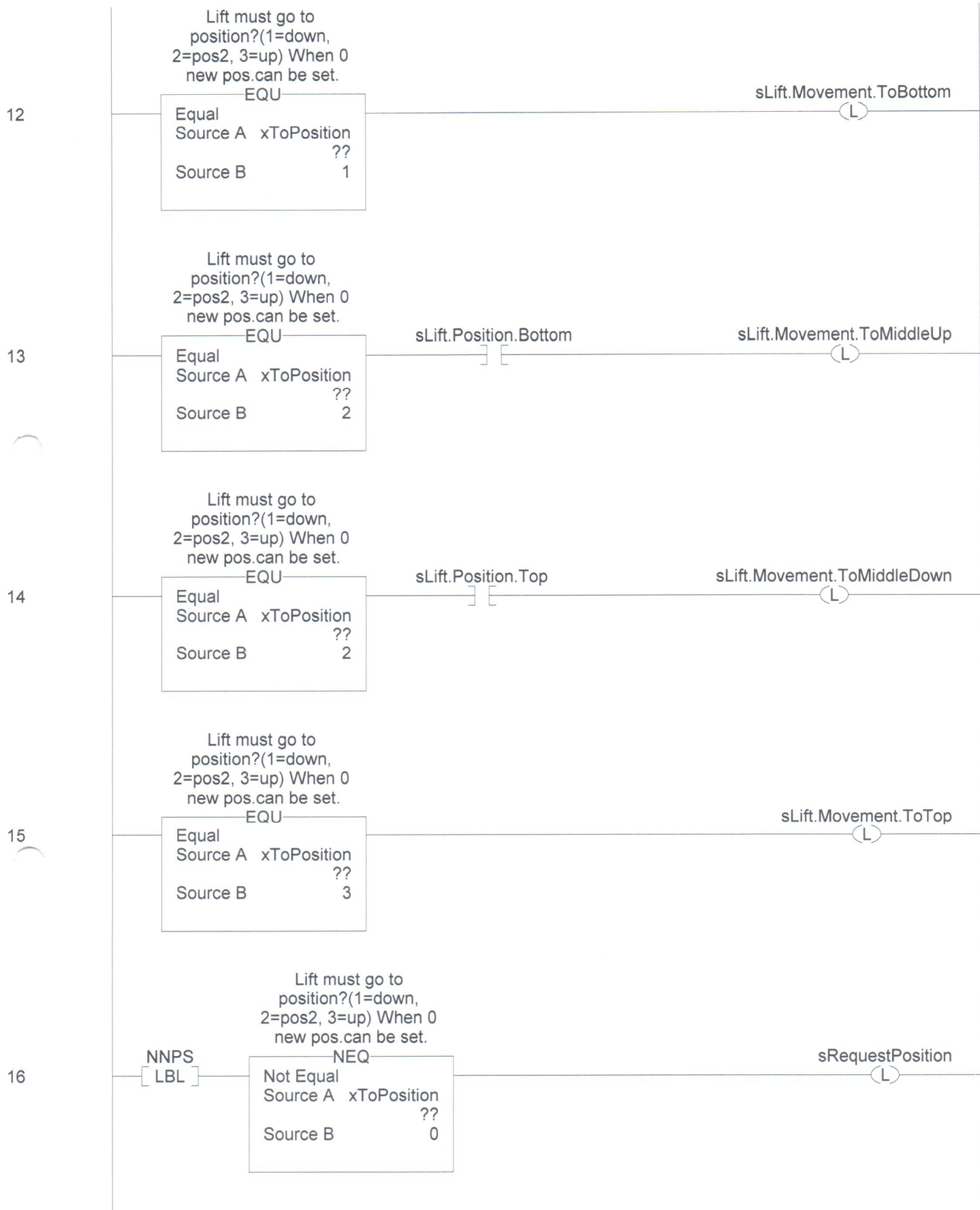
Visible: Yes

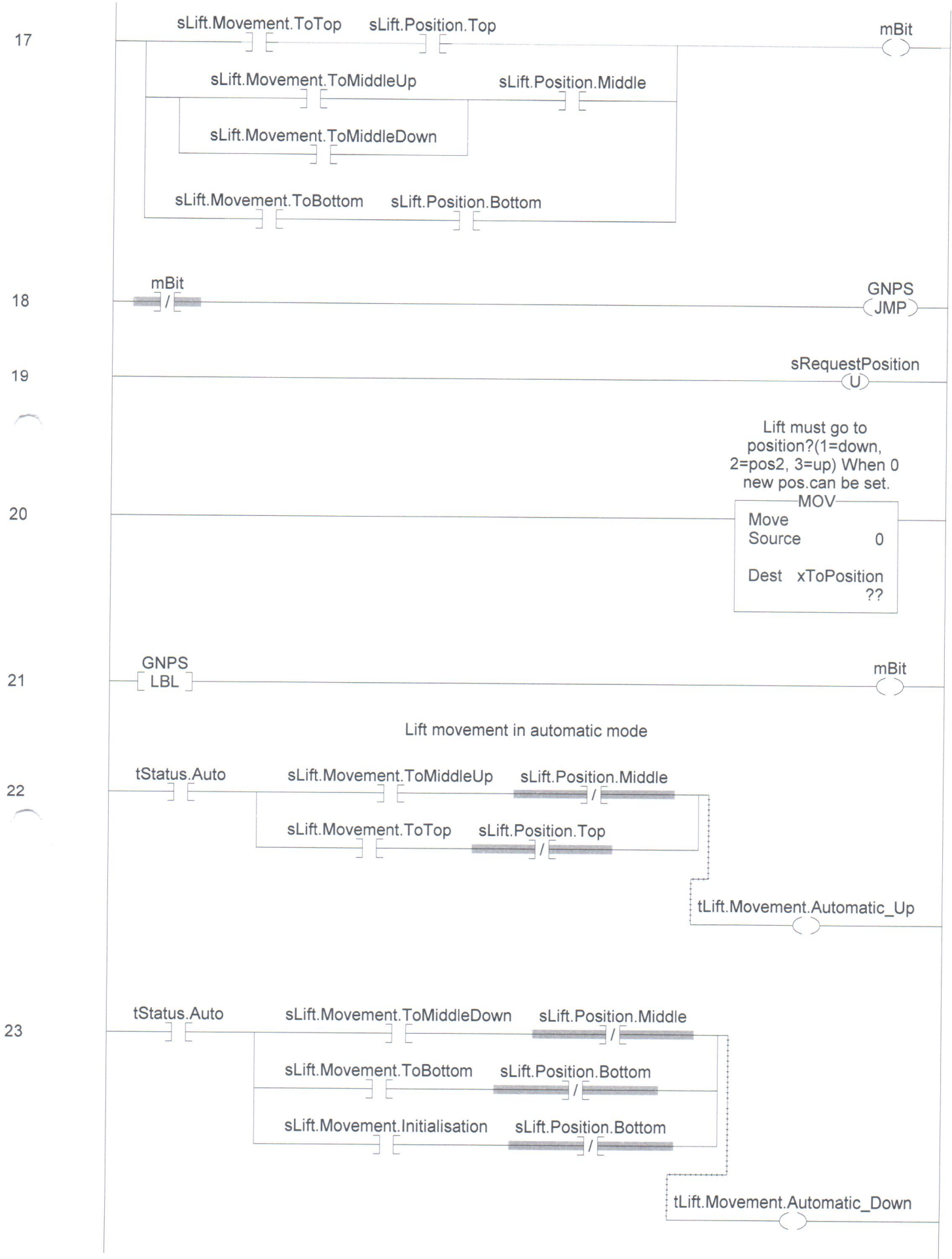
*xToPosition - FB100_Lift/Logic - *20(MOV), 12(EQU), 13(EQU), 14(EQU), 15(EQU), 16(NEQ), 9(GRT)*

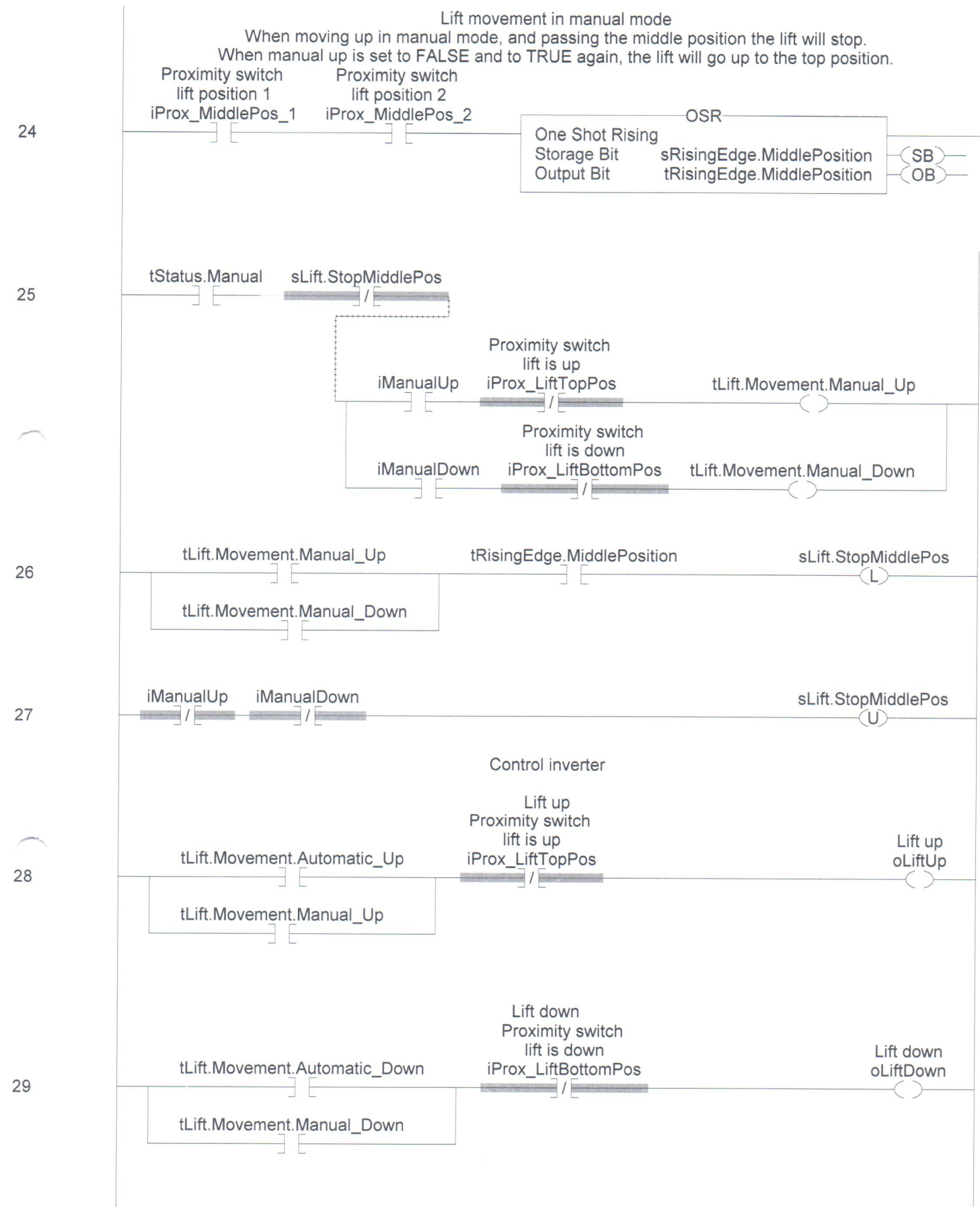
Name	Default	Data Type	Scope
mBit	0	BOOL	FB100_Lift
Usage:	Local Tag		
<i>mBit - FB100_Lift/Logic - *17(OTE), *21(OTE), *9(OTE), 10(XIO), 18(XIO)</i>			
sLift		FB100_sLift	FB100_Lift
Usage:	Local Tag		
<i>sLift.Movement.Initialisation - FB100_Lift/Logic - *7(OTL), *8(OTU), 1(XIC), 23(XIC), 30(XIC), 8(XIC)</i>			
<i>sLift.Movement.ToBottom - FB100_Lift/Logic - *11(OTU), *12(OTL), *8(OTL), 1(XIC), 17(XIC), 23(XIC), 30(XIC), 7(XIO)</i>			
<i>sLift.Movement.ToMiddleDown - FB100_Lift/Logic - *11(OTU), *14(OTL), 17(XIC), 2(XIC), 23(XIC), 30(XIC), 7(XIO)</i>			
<i>sLift.Movement.ToMiddleUp - FB100_Lift/Logic - *11(OTU), *13(OTL), 17(XIC), 2(XIC), 22(XIC), 30(XIC), 7(XIO)</i>			
<i>sLift.Movement.ToTop - FB100_Lift/Logic - *11(OTU), *15(OTL), 17(XIC), 22(XIC), 3(XIC), 30(XIC), 7(XIO)</i>			
<i>sLift.Position.Bottom - FB100_Lift/Logic - *1(OTE), 13(XIC), 17(XIC), 23(XIO), 30(XIO), 6(XIC), 7(XIO), 8(XIC), 9(XIC)</i>			
<i>sLift.Position.Middle - FB100_Lift/Logic - *2(OTE), 17(XIC), 22(XIO), 23(XIO), 30(XIO), 5(XIC), 7(XIO), 9(XIC)</i>			
<i>sLift.Position.Top - FB100_Lift/Logic - *3(OTE), 14(XIC), 17(XIC), 22(XIO), 30(XIO), 4(XIC), 7(XIO), 9(XIC)</i>			
<i>sLift.StopMiddlePos - FB100_Lift/Logic - *26(OTL), *27(OTU), 25(XIO)</i>			
sRequestPosition	0	BOOL	FB100_Lift
Usage:	Local Tag		
<i>sRequestPosition - FB100_Lift/Logic - *16(OTL), *19(OTU), 9(XIO)</i>			
sRisingEdge		FB100_sRisingEdge	FB100_Lift
Usage:	Local Tag		
<i>sRisingEdge.MiddlePosition - FB100_Lift/Logic - *24(OSR)</i>			
tLift		FB100_tLift	FB100_Lift
Usage:	Local Tag		
<i>tLift.MovementAutomatic_Down - FB100_Lift/Logic - *23(OTE), 29(XIC)</i>			
<i>tLift.MovementAutomatic_Up - FB100_Lift/Logic - *22(OTE), 28(XIC)</i>			
<i>tLift.Movement.Manual_Down - FB100_Lift/Logic - *25(OTE), 26(XIC), 29(XIC)</i>			
<i>tLift.Movement.Manual_Up - FB100_Lift/Logic - *25(OTE), 26(XIC), 28(XIC)</i>			
tRisingEdge		FB100_tRisingEdge	FB100_Lift
Usage:	Local Tag		
<i>tRisingEdge.MiddlePosition - FB100_Lift/Logic - *24(OSR), 26(XIC)</i>			
tStatus		FB100_tStatus	FB100_Lift
Usage:	Local Tag		
<i>tStatus.Auto - FB100_Lift/Logic - *0(OTE), 22(XIC), 23(XIC), 7(XIC), 8(XIC)</i>			
<i>tStatus.Manual - FB100_Lift/Logic - *0(OTE), 25(XIC), 30(XIC)</i>			











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Low speed

sLift.Movement.Initialisation

sLift.Movement.ToTop Proximity switch
lift low speed up
iProx_LowSpeedTopPos sLift.Position.Top

sLift.Movement.ToMiddleUp Proximity switch
lift position 1
iProx_MiddlePos_1 sLift.Position.Middle

sLift.Movement.ToMiddleDown Proximity switch
lift position 2
iProx_MiddlePos_2

sLift.Movement.ToBottom Proximity switch
lift low speed down
iProx_LowSpeedBottomPos sLift.Position.Bottom

tStatus.Manual

Lift low speed
oLiftLowSpeed

(End)