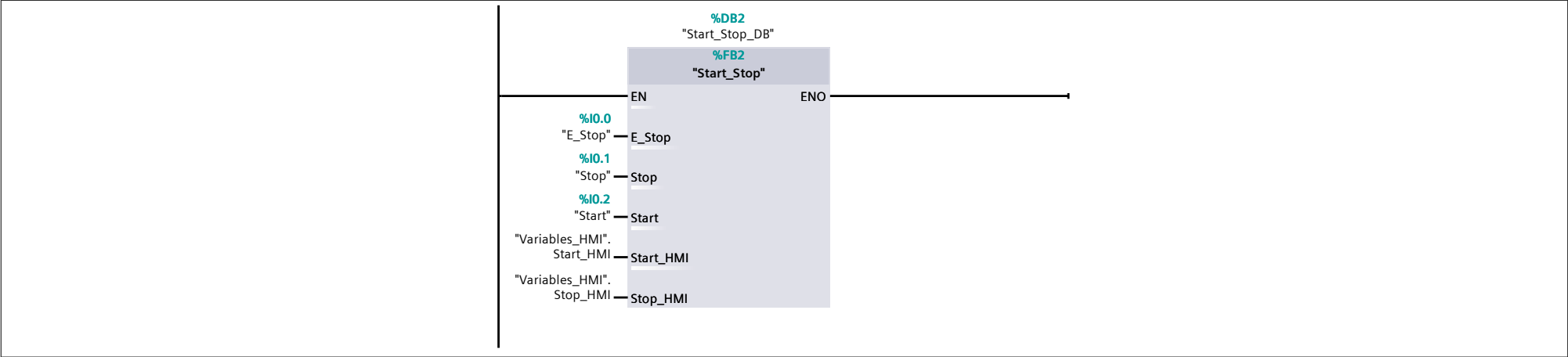


Program blocks

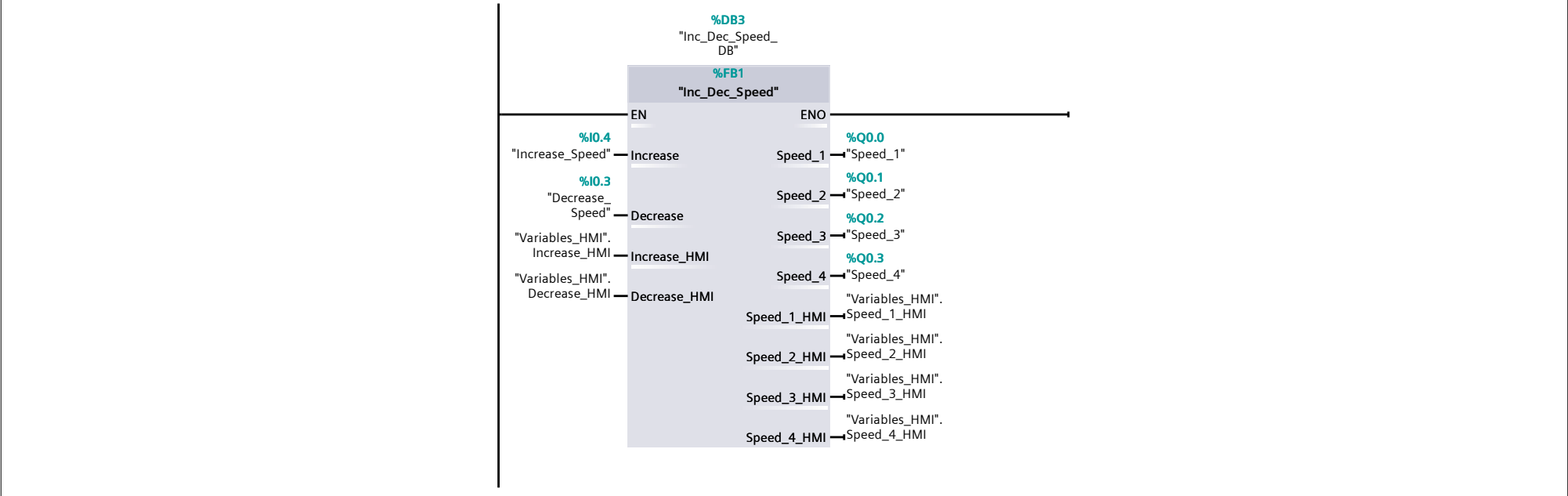
Main [OB1]

Main Properties							
General							
Name	Main	Number	1	Type	OB	Language	LAD
Numbering	Automatic						
Information							
Title	"Main Program Sweep (Cycle)"	Author		Comment		Family	
Version	0.1	User-defined ID					
Name				Data type		Default value	
▼ Input							
Initial_Call				Bool			
Remanence				Bool			
Temp							
Constant							

Network 1: Start stop block



Network 2: Increase and decrease speed block



Totally Integrated Automation Portal

Program blocks / DB

Start_Stop_DB [DB2]

Start_Stop_DB Properties

General

Name	Start_Stop_DB	Number	2	Type	DB	Language	DB
Numbering	Automatic						

Information

Title		Author		Comment		Family	
Version	0.1	User-defined ID					

Name	Data type	Start value	Retain
▼ Input			
E_Stop	Bool	false	False
Stop	Bool	false	False
Start	Bool	false	False
Start_HMI	Bool	false	False
Stop_HMI	Bool	false	False
Output			
InOut			
Static			

Totally Integrated Automation Portal

Program blocks / DB

Inc_Dec_Speed_DB [DB3]

Inc_Dec_Speed_DB Properties

General

Name	Inc_Dec_Speed_DB	Number	3	Type	DB	Language	DB
Numbering	Automatic						

Information

Title		Author	Stiven Perez	Comment		Family	
Version	0.1	User-defined ID					

Name	Data type	Start value	Retain
▼ Input			
Increase	Bool	false	False
Decrease	Bool	false	False
Increase_HMI	Bool	false	False
Decrease_HMI	Bool	false	False
▼ Output			
Speed_1	Bool	false	False
Speed_2	Bool	false	False
Speed_3	Bool	false	False
Speed_4	Bool	false	False
Speed_1_HMI	Bool	false	False
Speed_2_HMI	Bool	false	False
Speed_3_HMI	Bool	false	False
Speed_4_HMI	Bool	false	False
InOut			
Static			

Totally Integrated Automation Portal

Program blocks / DB

Data [DB1]

Data Properties

General

Name	Data	Number	1	Type	DB	Language	DB
Numbering	Automatic						

Information

Title	Data for Set Memories	Author	Stiven Perez	Comment	Data for Set Memories	Family	
Version	0.1	User-defined ID					

Name	Data type	Start value	Retain
▼ Static			
Start_Stop	Bool	false	False
P_Inc	Bool	false	False
N_Dec	Bool	false	False
QTime_1	Bool	false	False
QTime_2	Bool	false	False
QTime_3	Bool	false	False
QTime_4	Bool	false	False
CV_Speed	Int	0	False
Reset_Counter	Bool	false	False

Totally Integrated Automation Portal

Program blocks / DB

Variables_HMI [DB4]

Variables_HMI Properties

General

Name	Variables_HMI	Number	4	Type	DB	Language	DB
Numbering	Automatic						

Information

Title	Variables for HMI	Author	Stiven Perez	Comment		Family	
Version	0.1	User-defined ID					

Name	Data type	Start value	Retain
▼ Static			
Start_HMI	Bool	false	False
Stop_HMI	Bool	false	False
Increase_HMI	Bool	false	False
Decrease_HMI	Bool	false	False
Speed_1_HMI	Bool	false	False
Speed_2_HMI	Bool	false	False
Speed_3_HMI	Bool	false	False
Speed_4_HMI	Bool	false	False

Program blocks / FB

Start_Stop [FB2]

Start_Stop Properties							
General							
Name	Start_Stop	Number	2	Type	FB	Language	LAD
Numbering	Automatic						
Information							
Title	Start_Stop_Program	Author		Comment	Conditions to Start or stop all process	Family	
Version	0.1	User-defined ID					

Name	Data type	Default value	Retain
▼ Input			
E_Stop	Bool	false	Non-retain
Stop	Bool	false	Non-retain
Start	Bool	false	Non-retain
Start_HMI	Bool	false	Non-retain
Stop_HMI	Bool	false	Non-retain
Output			
InOut			
Static			
Temp			
Constant			

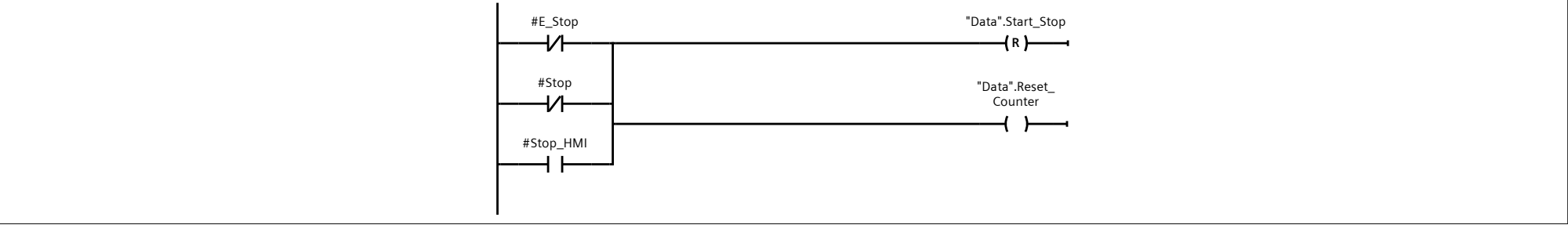
Network 1: Start Process

Start program



Network 2: Stop Process and Reset Counter

Stop program



Program blocks / FB

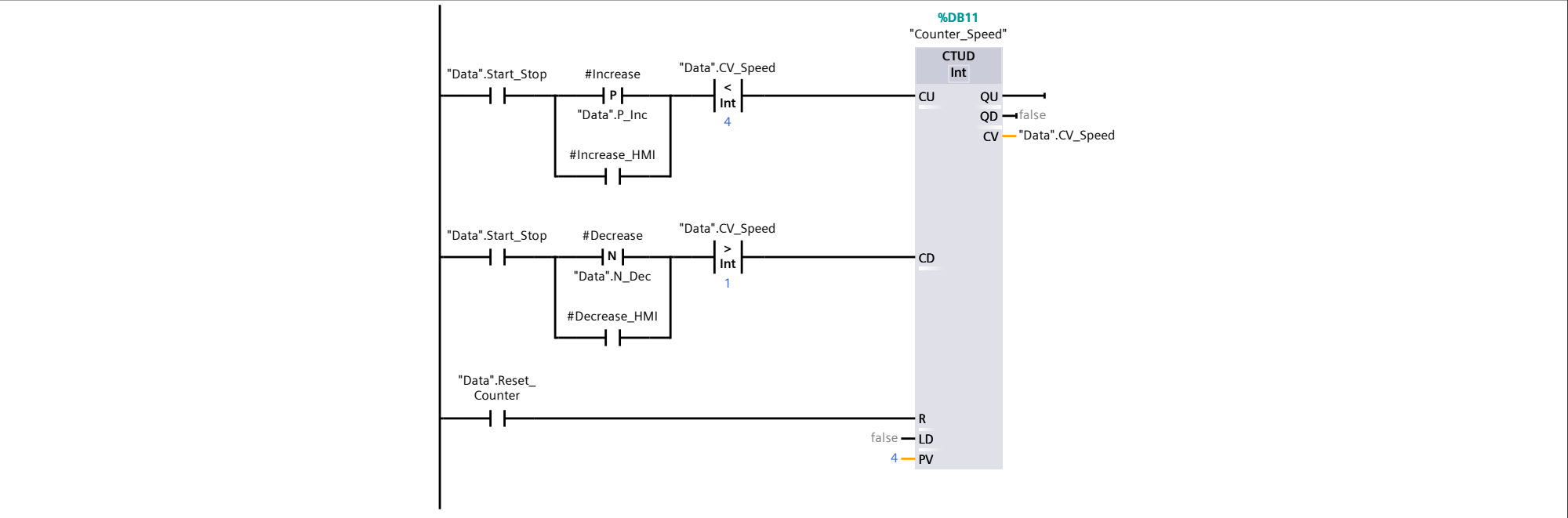
Inc_Dec_Speed [FB1]

Inc_Dec_Speed Properties							
General							
Name	Inc_Dec_Speed	Number	1	Type	FB	Language	LAD
Numbering	Automatic						
Information							
Title	Conditions to Increase and Decrease Speed	Author	Stiven Perez	Comment	Conditions to select the re- spective speed	Family	
Version	0.1	User-defined ID					

Name	Data type	Default value	Retain
▼ Input			
Increase	Bool	false	Non-retain
Decrease	Bool	false	Non-retain
Increase_HMI	Bool	false	Non-retain
Decrease_HMI	Bool	false	Non-retain
▼ Output			
Speed_1	Bool	false	Non-retain
Speed_2	Bool	false	Non-retain
Speed_3	Bool	false	Non-retain
Speed_4	Bool	false	Non-retain
Speed_1_HMI	Bool	false	Non-retain
Speed_2_HMI	Bool	false	Non-retain
Speed_3_HMI	Bool	false	Non-retain
Speed_4_HMI	Bool	false	Non-retain
InOut			
Static			
Temp			
Constant			

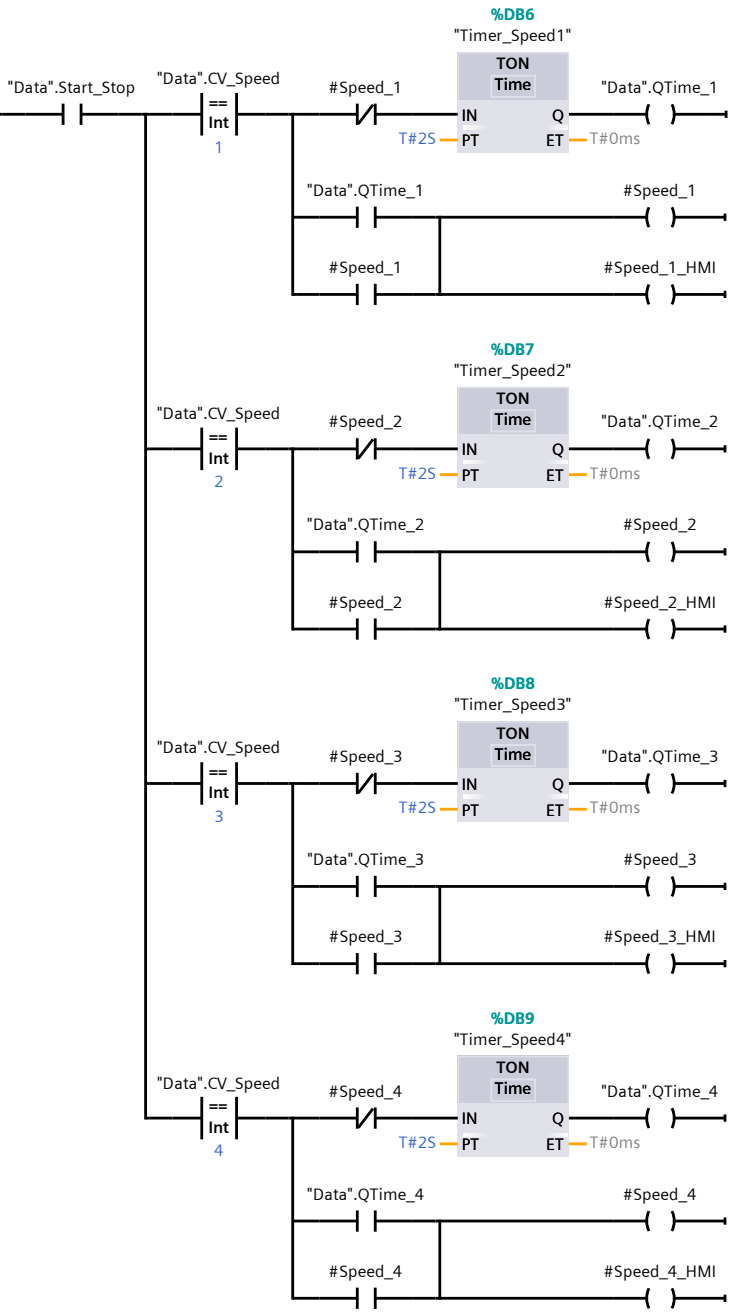
Network 1: Increase Speed

Conditions to increase or decrease speed



Network 2: Speeds Selection

Conditions to select the respective speed



Totally Integrated Automation Portal

Program blocks / System blocks / Program resources

Timer_Speed1 [DB6]

Timer_Speed1 Properties

General

Name	Timer_Speed1	Number	6	Type	DB	Language	DB
Numbering	Automatic						

Information

Title		Author	Simatic	Comment		Family	IEC
Version	1.0	User-defined ID	IEC_TMR				

Name	Data type	Start value	Retain
▼ Static			
PT	Time	T#0ms	False
ET	Time	T#0ms	False
IN	Bool	false	False
Q	Bool	false	False

Program blocks / System blocks / Program resources

Timer_Speed2 [DB7]

Timer_Speed2 Properties							
General							
Name	Timer_Speed2	Number	7	Type	DB	Language	DB
Numbering	Automatic						
Information							
Title		Author	Simatic	Comment		Family	IEC
Version	1.0	User-defined ID	IEC_TMR				
Name			Data type		Start value		Retain
▼ Static							
PT			Time		T#0ms		False
ET			Time		T#0ms		False
IN			Bool		false		False
Q			Bool		false		False

Totally Integrated Automation Portal

Program blocks / System blocks / Program resources

Timer_Speed3 [DB8]

Timer_Speed3 Properties

General

Name	Timer_Speed3	Number	8	Type	DB	Language	DB
Numbering	Automatic						

Information

Title		Author	Simatic	Comment		Family	IEC
Version	1.0	User-defined ID	IEC_TMR				

Name	Data type	Start value	Retain
▼ Static			
PT	Time	T#0ms	False
ET	Time	T#0ms	False
IN	Bool	false	False
Q	Bool	false	False

Totally Integrated Automation Portal

Program blocks / System blocks / Program resources

Timer_Speed4 [DB9]

Timer_Speed4 Properties

General

Name	Timer_Speed4	Number	9	Type	DB	Language	DB
Numbering	Automatic						

Information

Title		Author	Simatic	Comment		Family	IEC
Version	1.0	User-defined ID	IEC_TMR				

Name	Data type	Start value	Retain
▼ Static			
PT	Time	T#0ms	False
ET	Time	T#0ms	False
IN	Bool	false	False
Q	Bool	false	False

Totally Integrated Automation Portal

Program blocks / System blocks / Program resources

Counter_Speed [DB11]

Counter_Speed Properties

General

Name	Counter_Speed	Number	11	Type	DB	Language	DB
Numbering	Automatic						

Information

Title		Author	Simatic	Comment		Family	IEC
Version	1.0	User-defined ID	CNTR				

Name	Data type	Start value	Retain
▼ Static			
CU	Bool	false	True
CD	Bool	false	True
R	Bool	false	True
LD	Bool	false	True
QU	Bool	false	True
QD	Bool	false	True
PV	Int	0	True
CV	Int	0	True