FB_Cyl [FB1]

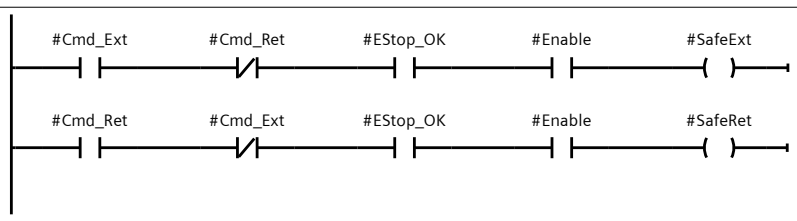
FB_Cyl Properties							
General							
Name	FB_Cyl	**Number**	1	**Type**	FB	**Language**	LAD
Numbering	Automatic						
Information							
Title		**Author**		**Comment**		**Family**	
Version	0.1	**User-defined ID**					

Name	Data type	Default value	Retain
▼ Input			
Cmd_Ext	Bool	false	Non-retain
Cmd_Ret	Bool	false	Non-retain
LS_Ext	Bool	false	Non-retain
LS_Ret	Bool	false	Non-retain
EStop_OK	Bool	false	Non-retain
Enable	Bool	false	Non-retain
tMove	Time	T#3s	Non-retain
Reset	Bool	false	Non-retain
▼ Output			
Out_Ext	Bool	false	Non-retain
Out_Ret	Bool	false	Non-retain
IsExt	Bool	false	Non-retain
IsRet	Bool	false	Non-retain
Fault	Bool	false	Non-retain
FaultCode	USInt	0	Non-retain
InOut			
▼ Static			
SafeExt	Bool	false	Non-retain
SafeRet	Bool	false	Non-retain
Fault_i	Bool	false	Non-retain
TON_Move	TON_TIME		Non-retain
Temp			
Constant			

Network 1: States (Sensor Mirroring)

Network 2: Safe Commands (Interlocks & Safety Logic)

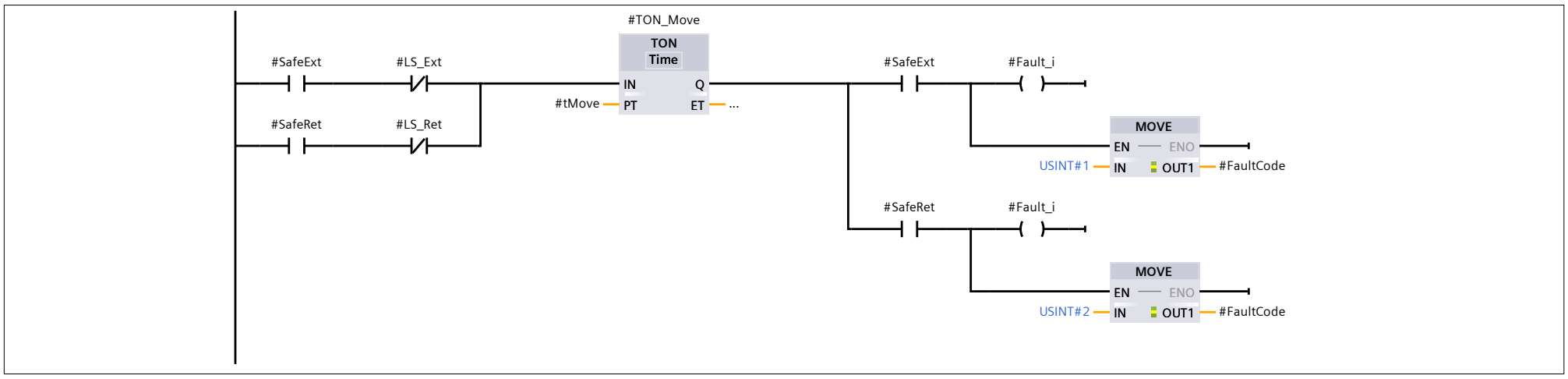
Mutual exclusion enforced for Extend/Retract. Commands are only permitted if the Emergency Stop is released and the Global Enable Key is active



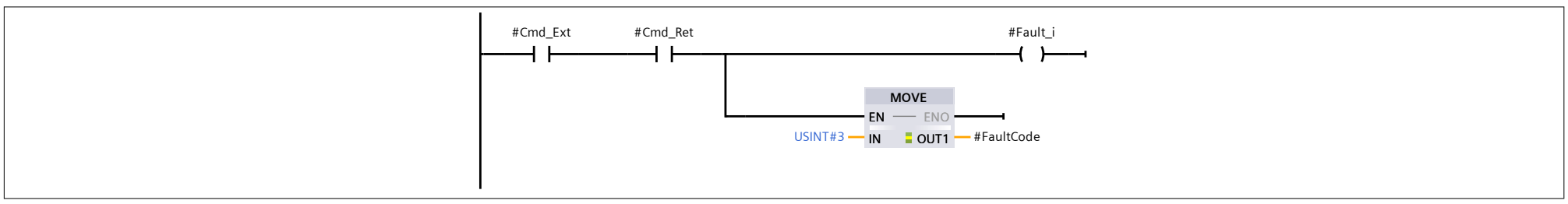
Network 3: Valve Outputs (Fault-Inhibited)

In the event of a Fault, all power to the valves is isolated/cut off.

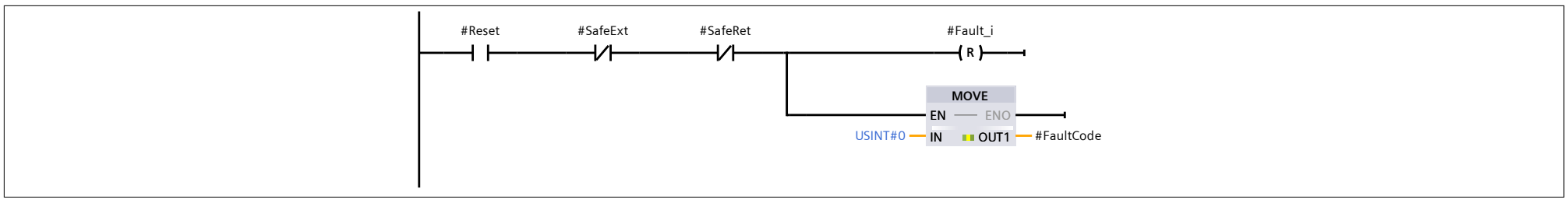
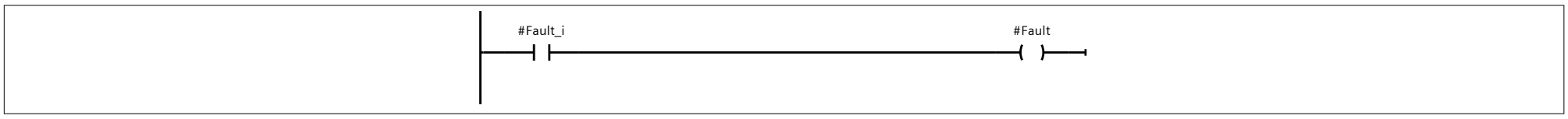
Network 4: Movement Watchdog (TON)



Network 5: Invalid command



Network 6: Fault Reset



Network 7: Mapping Auxiliaries to Outputs