

FC1 - <offline>

"MC\_Power"

**Name:**

**Author:** Hlozek

**Family:**

**Version:** 0.1

**Block version:** 2

**Time stamp Code:**

05/26/2009 02:41:30 PM

**Interface:**

04/04/2009 11:28:52 AM

**Lengths (block/logic/data):**

01192 00976 00014

Name	Data Type	Address	Comment
IN		0.0	
Axis_DB	Block_DB	0.0	DB rizene jednotky
Enable	Bool	2.0	Aktivace sekvence zapnuti jednotky
StopMode	Bool	2.1	Vyber modu vypnuti (0 = okamzite, 1 = do 3 sekund po rampe)
OUT		0.0	
Status	Bool	4.0	Funkce je aktivni
Busy	Bool	4.1	Funkce probiha
Active	Bool	4.2	Funkce byla dokoncena
Error	Bool	4.3	Vyskyt chyby
ErrorID	DWord	6.0	Cislo chyby
IN_OUT		0.0	
TEMP		0.0	
Ready	Bool	0.0	System je pripraven pro nahozeni ON/OFF1
Okamzite	Bool	0.1	Okamzite vypnuti systemu s max. brzdenim
ST1	Bool	0.2	Jde o Standardni telegram 1
ST2	Bool	0.3	Jde o Standardni telegram 2
T9	Bool	0.4	Jde o Telegram 9
T110	Bool	0.5	Jde o Telegram 110
T111	Bool	0.6	Jde o Telegram 111
NeznamyT	Bool	0.7	Pomocna promenna pro skok
Cislo	Word	2.0	Cislo DB
Delka	Word	4.0	Delka DB v bytech
Return	Int	6.0	Navratova hodnota (0=OK)
WrPr	Bool	8.0	DB chranen proti prepsani (1=ANO)
Delka_Int	Int	10.0	Delka DB
RETURN		0.0	
RET_VAL		0.0	

**Block: FC1 Funkce pro zapnuti/vypnuti rizeneho polohovaciho objektu.**

Autor: Vojtech Hlozek

Verze: 1.0

Datum: 15.2.2009

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Pro spravnou funkci musi byt v CPU nahrana SFC24!  
Tato funkce je navrzena pro ovladani jednotky pomoci telegramu 1,2,9,110 a 111!  
Po uprave pocatecnich srovnavacich podminek a zmene nastavovanych bitu muze byt  
ale pouzita i pro jine telegramy.  
Na vystupu ErrorID se vypisuje pripadna chyba (A = neznamy telegram).

Network: 1

Otevreni potrebného DB



Network: 2

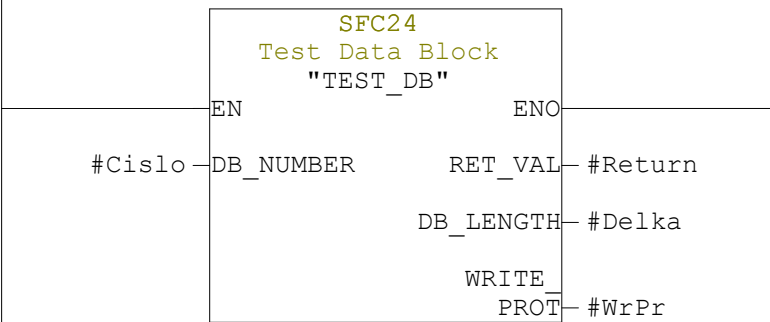
Nahrani čísla DB do akumulátoru a přenos do proměnné Číslo

LDBNO

T#Číslo

Network: 3

Výpočet délky DB v bytech



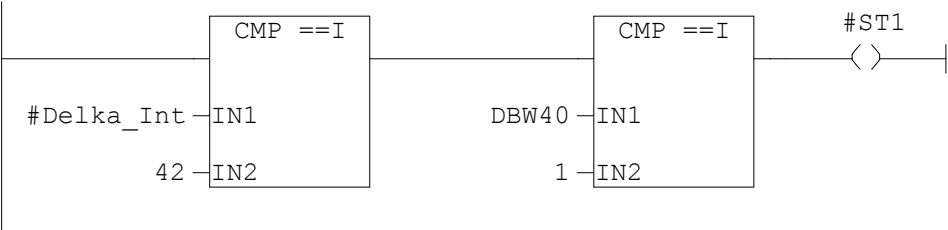
Network: 4

Převod slova na integer

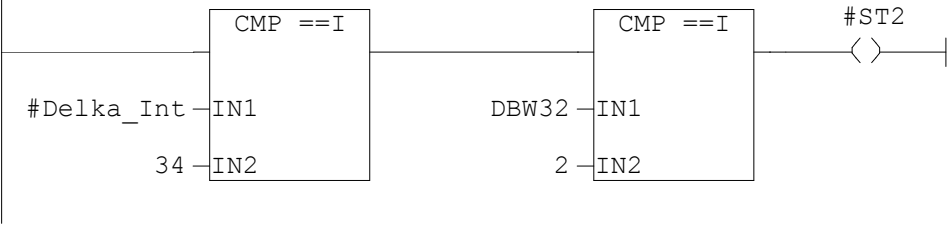


Network: 5      Standardni telegram 1

Pokud je delka DB pro ST1 42 bytu a na 40 bytu je integer s hodnotou 1 (identifikace), pak se jedna o Standard telegram c.1 .



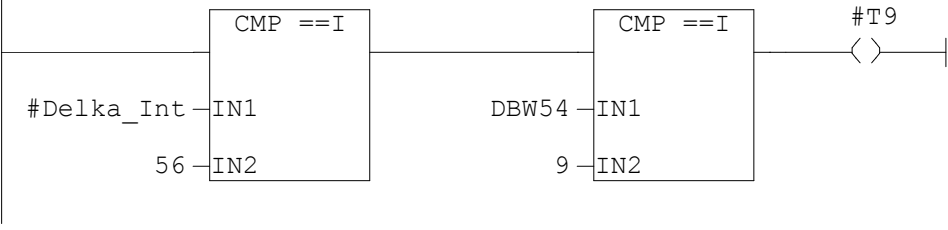
Network: 6      Standardni telegram 2



Network: 7      Skok na navesti pro ST1 nebo ST2

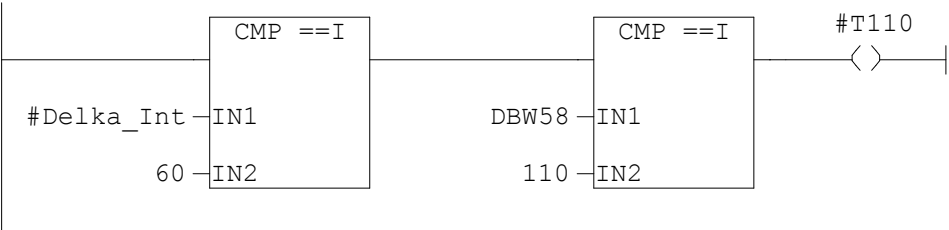


Network: 8      Telegram 9



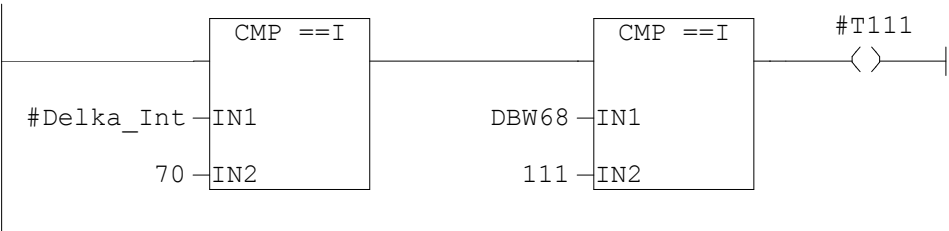
Network: 9

Telegram 110



Network: 10

Telegram 111



Network: 11

Skok na navesti pro T9, T110 nebo T111



Network: 12

Nastaveni pomocne promenne pri neznamem telegramu



Network: 13

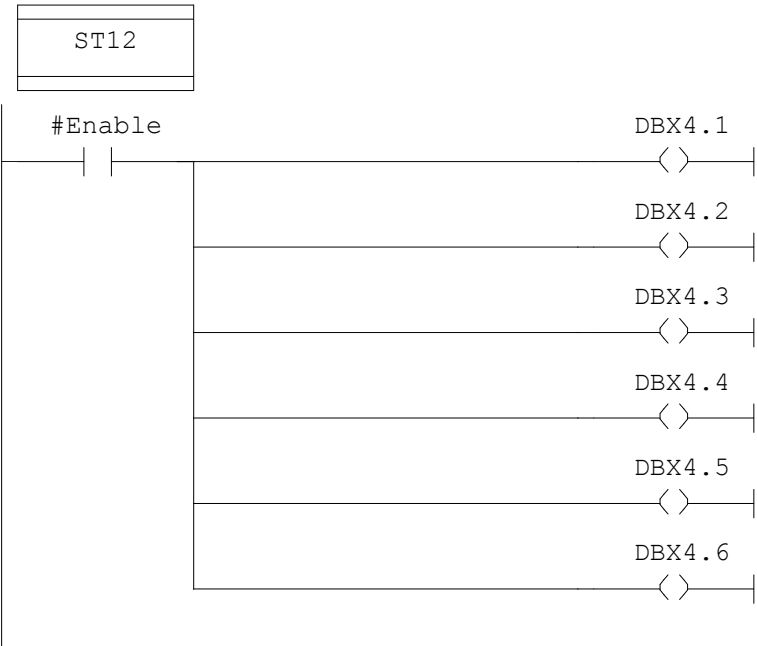
Skok na pozadovane navesti pri neznamem telegramu



Network: 14

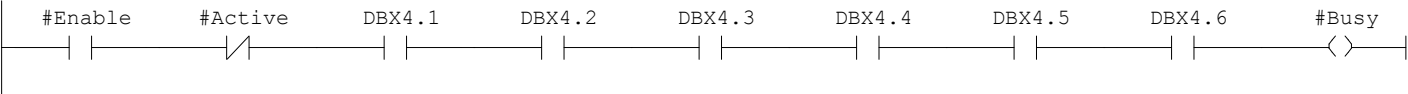
Zapinaci sekvence pro telegram 1 a 2.

Aktivace: OFF2 (DBX4.1), OFF3 (DBX4.2), InverterEnable (DBX4.3), RFGEEnable (DBX4.4), RFGStart (DBX4.5), SetpointEnable (DBX4.6).



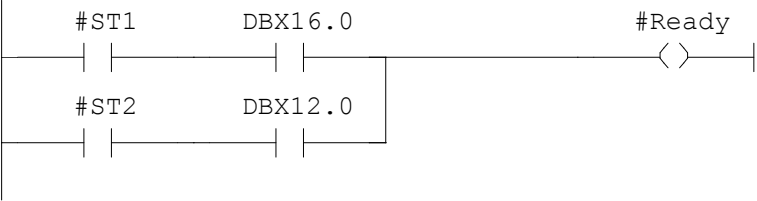
Network: 15

Jednotka je "Busy"



Network: 16      Cekani na "Ready to switch ON"

DBX16.0, DBX12.0 = Ready to switch ON.

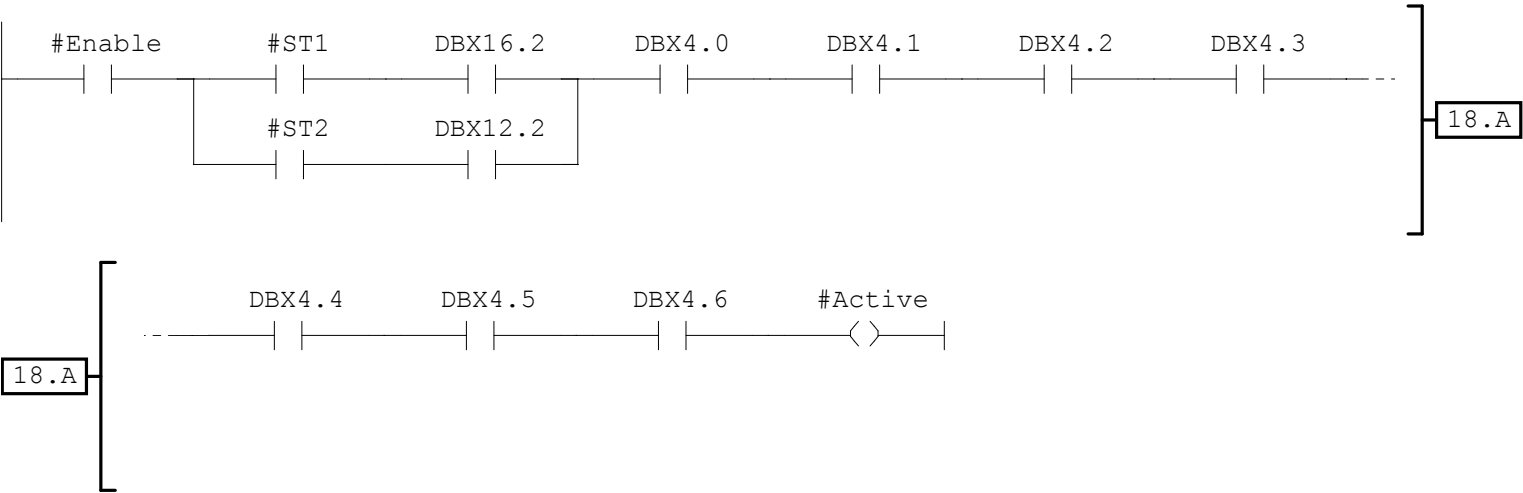


Network: 17      Zapnuti ON/OFF1



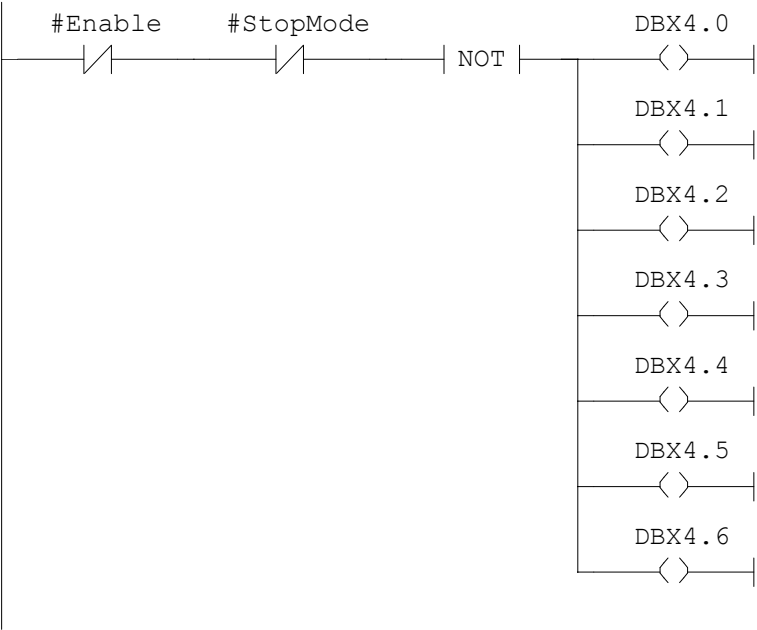
Network: 18      Jednotka je "Active"

DBX16.2, DBX12.2 = Run.



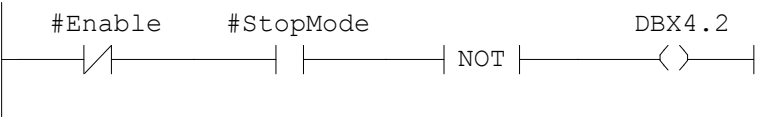
Network: 19      StopMode - 1.moznost (StopMode = 0)

DISABLE DRIVE IMMEDIATELY - okamzite odstaveni.



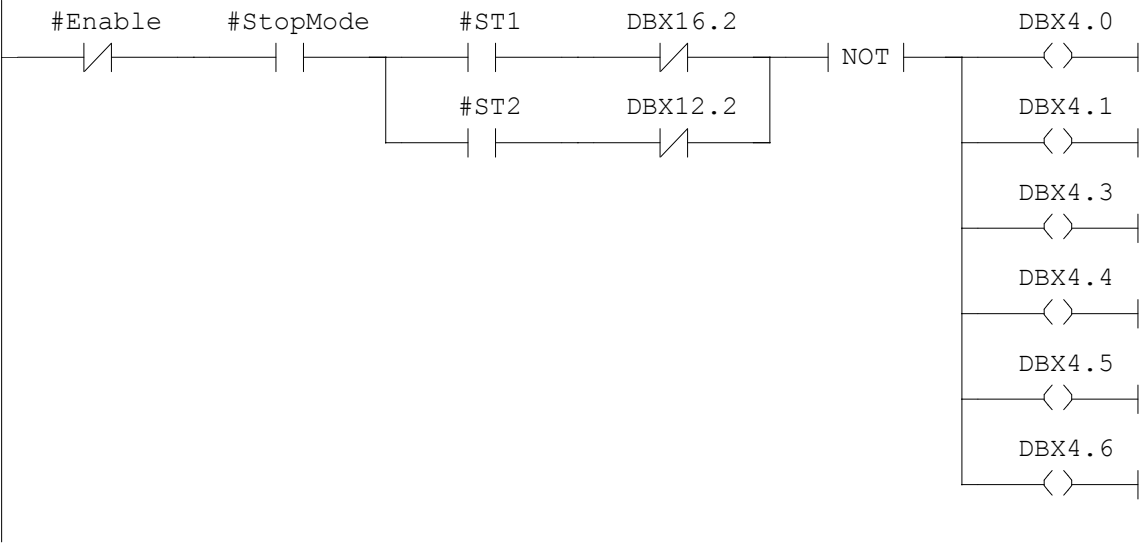
Network: 20      StopMode - 2.moznost (StopMode = 1)

WITH COMMAND VALUE ZERO - system zacne brzdit po rampe (OFF3 = 0) a pokud do 3 sekund nezastavi, dojde k okamzitemu odstaveni.



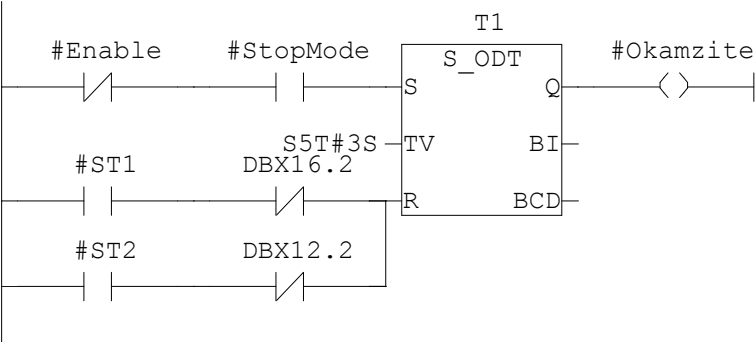
Network: 21

DBX16.2, DBX12.2 = Run.



Network: 22      StopMode - 2.moznost (StopMode = 1)

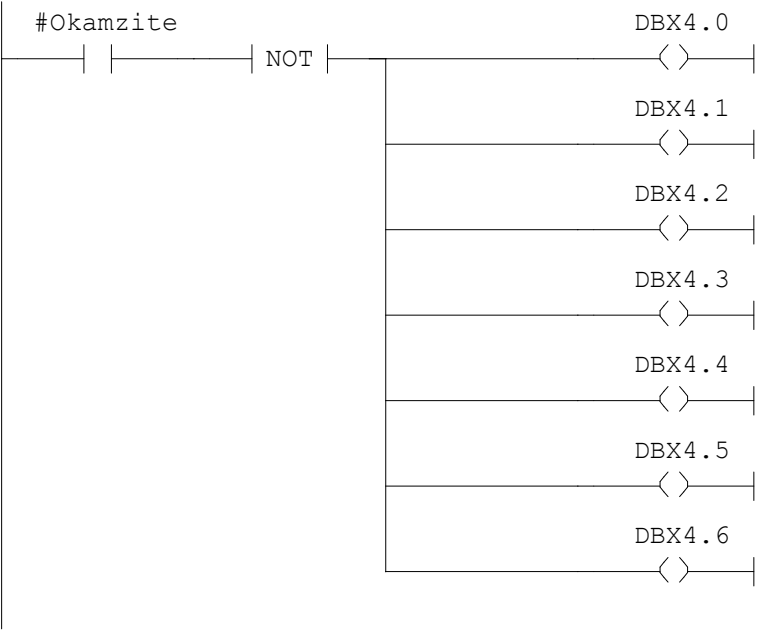
Odpocitavani 3 sekund. DBX16.2, DBX12.2 = Run.





Network: 23      Okamzite odstaveni (jako pri StopMode = 0)

System nedokazal behem 3 vterin zastavit brzdenim po rampe a tak musi byt ihned razantne zabrzdzen.

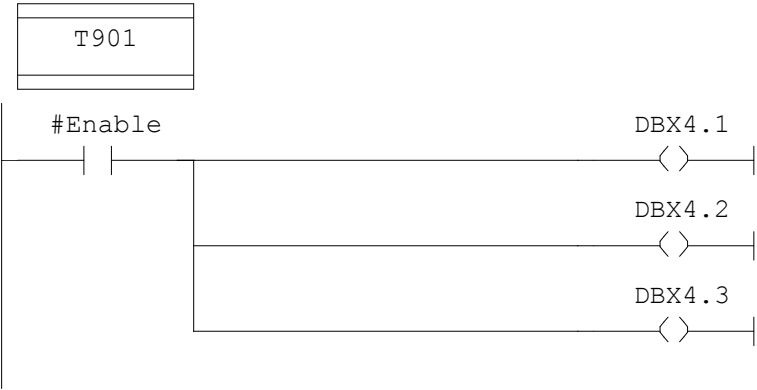


Network: 24      Preskoceni sekvence pro T9, T110 a T111

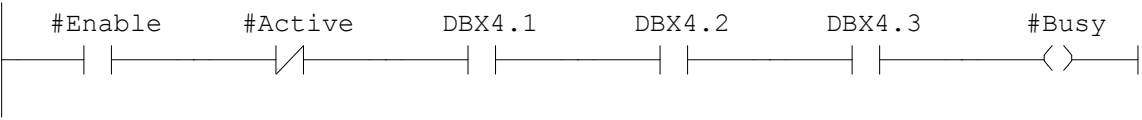


Network: 25      Zapinaci sekvence pro telegram 9, 110 a 111.

Aktivace: OFF2 (DBX4.1), OFF3 (DBX4.2), Enable\_operation (DBX4.3).

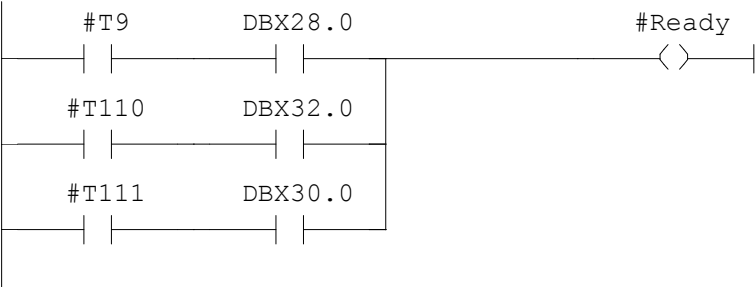


Network: 26      Jednotka je "Busy"



Network: 27      Cekani na "Ready to switch ON"

DBX28.0, DBX30.0, DBX32.0 = Ready to switch ON.

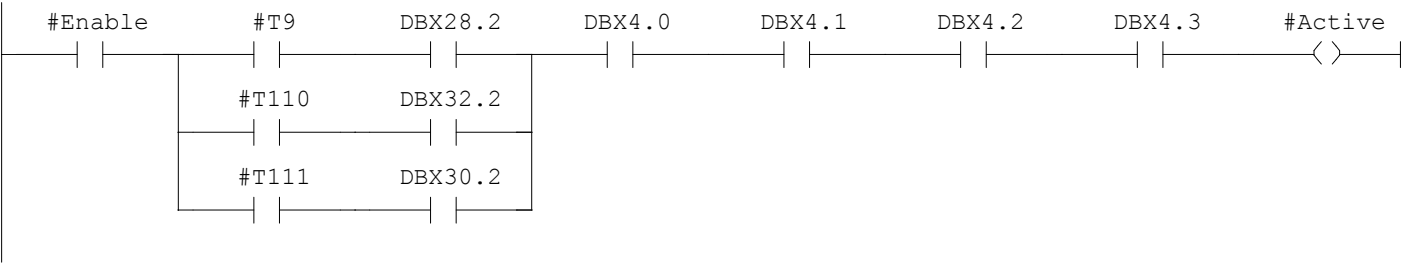


Network: 28      Zapnuti ON/OFF1



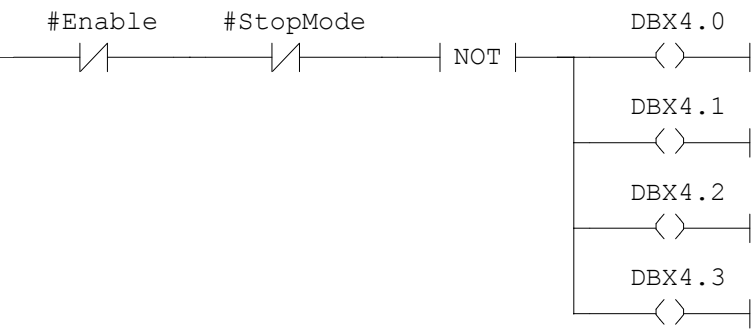
Network: 29      Jednotka je "Active"

DBX28.2, DBX30.2, DBX32.2 = Operation\_enabled



Network: 30      StopMode - 1.moznost (StopMode = 0)

DISABLE DRIVE IMMEDIATELY - okamzite odstaveni



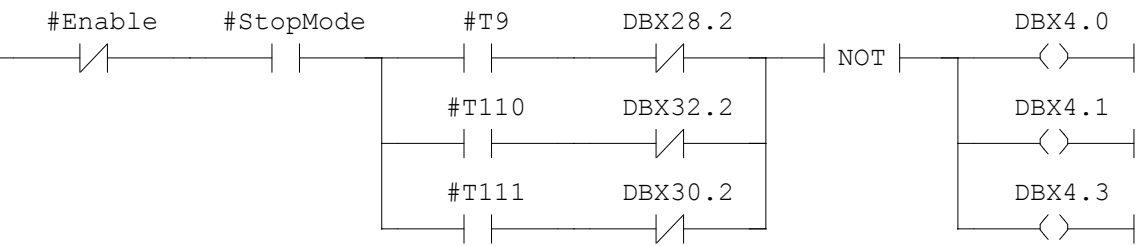
Network: 31      StopMode - 2.moznost (StopMode = 1)

WITH COMMAND VALUE ZERO - system zacne brzdit po rampe (OFF3 = 0) a pokud do 3 sekund nezastavi, dojde k okamzitemu odstaveni



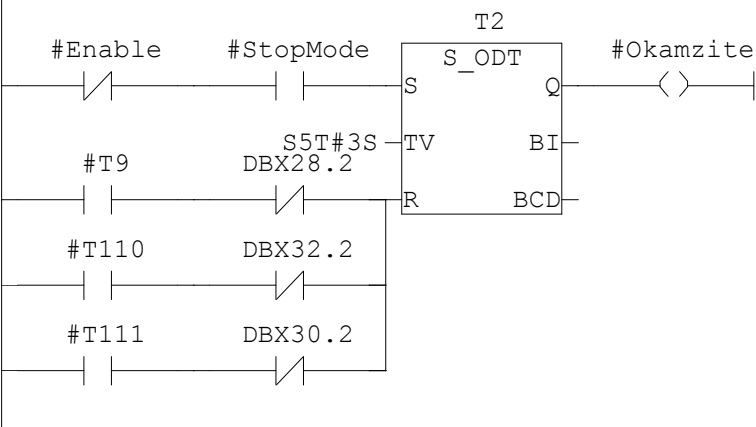
Network: 32

DBX28.2, DBX30.2, DBX32.2 = Operation enabled



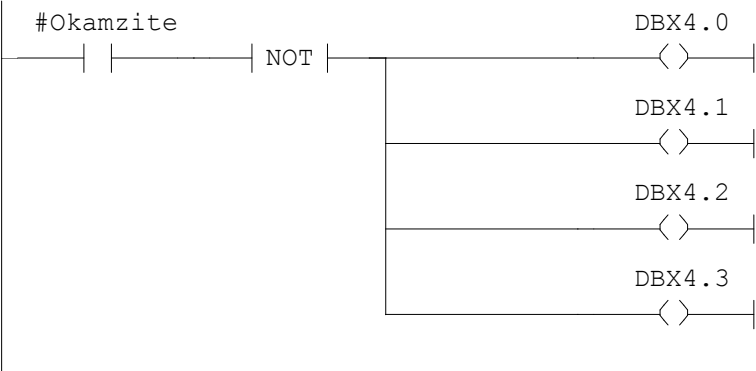
Network: 33      StopMode - 2.moznost (StopMode = 1)

Odpocitavani 3 sekund. DBX28.2, DBX30.2, DBX32.2 = Operation enabled



Network: 34      Okamzite odstaveni (jako pri StopMode = 0)

System nedokazal behem 3 vterin zastavit brzdenim po rampe a tak musi byt ihned razantne zabrzdnen.

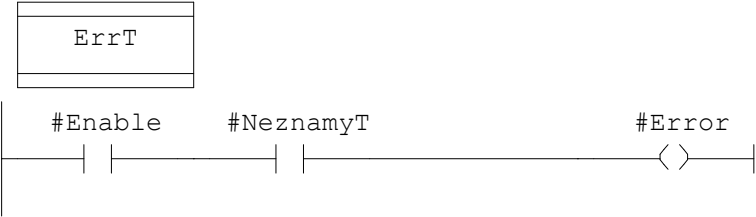


Network: 35      Signalizace pouzite funkce



Network: 36      Sem dojde ke skoku pri chybe

Na vystupu se objevi vyskyt chyby.



Network: 37      Zapis chyby na vystup ErrorID

A = neznamy telegram

