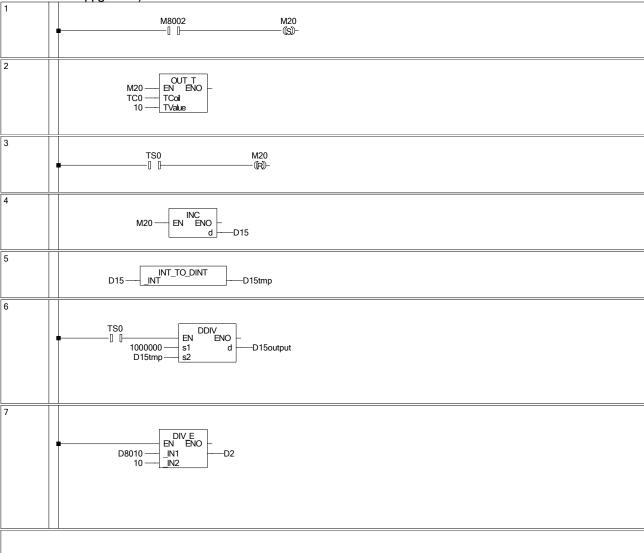
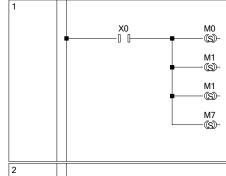
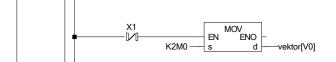
Data Name: Oppgave1a) EN ENO M8002 MOV ENO —D0 EN ENO EN ENO 255 2 DIVP ENO d MULP EN ENO s1 d M8013 EN s1 s2 D1 -D0 -D1 -D0 --D10 -D2 3 WAND ENO d1 EN s1 s2 D2 -D3 --K1M3 4 BCD ENO d 5 M8002 — [] []— M20 -(S))-OUT T EN ENO TCoil TValue M20 -TC0 -10 -6 EN ENO -D15 EN ENO d 1000-DIVP ENO d tid -D15 -

Data Name: Oppgave1b)

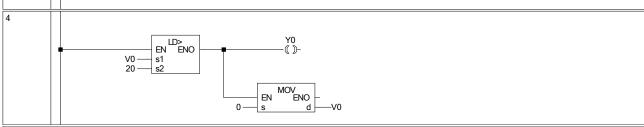


Data Name : Oppgave1c)







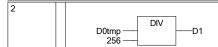


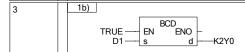
Data Name: Oppgave1d) EN ENO M8000 —[]↑[]— 2 EN ENO EQ seq --D10 3 MOV EN ENO d LD>= EN ENO s1 s2 D10 -200 -4 5 DEC EN ENO d EQ 6 LD<= EN ENO s1 s2 EN ENO D10 -0 -300 -EN ENO TN246 — EN ENO S OUT T EN ENO TCoil TValue TC246 -32767 seq 300

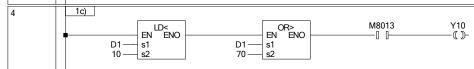
Data Name : Oppgave2

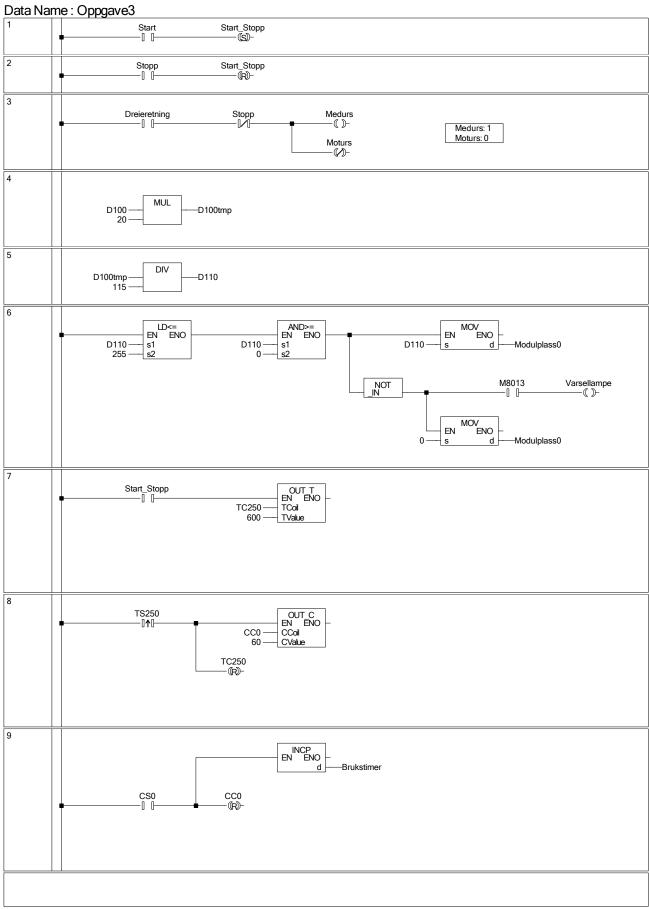
Går ut lifta at 1 i MCB er høyest temp, mens 0 i LCB er lavest temp. Da blir den høyeste verdien i D0 2048 og den laveste 0. Vi må skalere dette ned til 80. Skalaret er 25.6. Det er et flytall, oppgaven sier at vi kun skal utføre heltalloperasjoner. Vi må derfor multiplisere alt med 10 slik at vi kan utføre skaleringen.

D0 — MUL — D0tmp









Data Name : Global1 Global Label Setting

	Class	Label Name	Data Type	Constant	Device	Address	Comment	Remark	Relation with System Label	System Label Name	Attribute
- 1	VAR_GLOBAL	seq	Word[Signed]								
2	VAR_GLOBAL	Start	Bit		M100	%MX0.100					
3	VAR_GLOBAL	Stopp	Bit		M101	%MX0.101					
4	VAR_GLOBAL	Dreieretning	Bit		M102	%MX0.102					
5			Word[Signed]								
6	VAR_GLOBAL	Brukstimer	Word[Unsigned]/Bit String[16-bit]								
7	VAR_GLOBAL	Varsellampe	Bit		Y000	%QX0					
8		Start_Stopp	Bit			%QX1					
9	VAR_GLOBAL	Medurs	Bit		Y002	%QX2					
10	VAR_GLOBAL	Moturs	Bit		Y003	%QX3					
11											
12											
13											
14	VAR_GLOBAL	D15output	Double Word[Signed](01)		D60	%MD0.60					
15											
16	VAR_GLOBAL	vektor	Word[Signed](019)		D0	%MW0.0					
17	VAR_GLOBAL	D10annenhver	Word[Signed]								

Data Name : Oppgave1a) Local Label Setting

		Class	Label Name	Data Type	Constant	Device	Address	Comment
Γ	1	VAR	TON_1	TON				
	2	VAR	tid	Word[Unsigned]/Bit String[16-bit]				

Data Name : Oppgave1b)
Local Label Setting

	Class	Label Name	Data Type	Constant	Device	Address	Comment
1	VAR	D15tmp	Double Word[Signed]				

Data Name : Oppgave1c)
Local Label Setting

Class	Label Name	Data Type	Constant	Device	Address	Comment

Data Name : Oppgave1d) Local Label Setting

Class	Label Name	Data Type	Constant	Device	Address	Comment

Data Name : Oppgave2 Local Label Setting

	Class	Label Name	Data Type	Constant	Device	Address	Comment
1	VAR	D0tmp	Word[Signed]				

Data Name : Oppgave3 Local Label Setting

	Class	Label Name	Data Type	Constant	Device	Address	Comment
1	VAR	D100tmp	Word[Signed]				
2	VAR	D100DW	Double Word[Signed]				