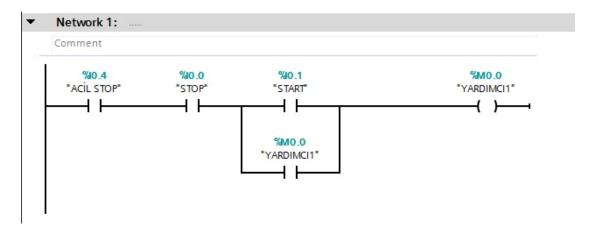
My task was designing a PLC which is Siemens S7 1200 in the Tia Portal. Connect with PLC ABB driver relay and sensors to change their frequency. I will not go into detail since it is not in the project section.



Network 2: Comment %MO.0 %0.4 %M0.2 %Q0.0 "ACIL STOP" "YARDIMCI1" "YARDIMCI3" "Start Buton" **⊣**)— %10.4 %10.0 %Q0.0 *ACIL STOP* "STOP" "Start Buton" 4 F -P-4 F %M0.4 "Tag_8" %10.4 %Q0.0 "ACIL STOP" "Start Buton" 4 F 1 H Network 3: Comment %10.0 %MO.0 %10.4 %M0.1 "ACIL STOP" "YARDIMCI1" "YARDIMCI2" "STOP" 1/1-**⊣**)— %DB1 "Timer" TON %10.4 %MO.1 %Q0.0 %M0.2 "ACIL STOP" "YARDIMCI2" "Start Buton" Time "YARDIMCI3" ()— 4 H 1 H ┨╟ Q-- IN T#5s — PT ET - ... %10.4 %MO.0 %Q0.0 %M0.2 "ACIL STOP" "YARDIMCI1" "Start Buton" "YARDIMCI3" MOVE +1 H +EN - ENO -%QW96 ♦ OUT1 — "Tag_5" %10.4 %M0.1 "ACIL STOP" "YARDIMCI2" 4 F 4 F

▼ Network 4:

Comment %M0.6 "yardımcı6" **%M0.7** "yardımcı7" %M0.5 "yardımcı5" %10.4 "ACIL STOP" %M0.0 "YARDIMCI1" %10.3 "Sensör2" %10.2 "Sensör1" MOVE \dashv \vdash **⊣** ⊢ -1/1-1/1--1/1-1/1-10 — ENO — ENO - IN %QW96 # OUT1 — "Tag_5" %10.3 "Sensör2" %M0.5 "yardımcı5" %10.2 "Sensör1" %M0.7 "yardımcı7" **%M0.6** "yardımcı6" MOVE +1/1-1/1-1/1-EN - ENO **-()**-- IN %QW96 \$ OUTI — "Tag_5" 25 — IN %M0.6 "yardımcı6" +**%10.3** "Sensör2" %10.2 "Sensör1" %M0.5 "yardımcı5" %M0.6 "yardımcı6" **%M0.7** "yardımcı7" MOVE -1/1- \dashv \vdash EN - ENO 50 — IN - IN %QW96 \$ OUT! — "Tag_5" %M0.7 "yardımcı7" $\dashv \vdash$

