

Totally Integrated
Automation Portal

Antic_diplomski / PLC_1 [CPU 1217C DC/DC/DC] / Program blocks

Main [OB1]

Main Properties

General

| | | | | | | | |
|-----------|-----------|--------|---|------|----|----------|-----|
| Name | Main | Number | 1 | Type | OB | Language | LAD |
| Numbering | automatic | | | | | | |

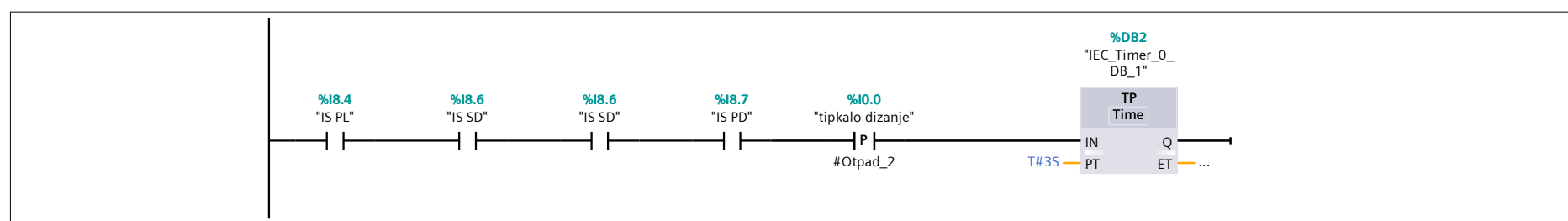
Information

| | | | | | | | |
|---------|---|-----------------|--|---------|--|--------|--|
| Title | Automatska nivelacija Wu- magaWT 225 | Author | | Comment | | Family | |
| Version | 0.1 | User-defined ID | | | | | |

Main

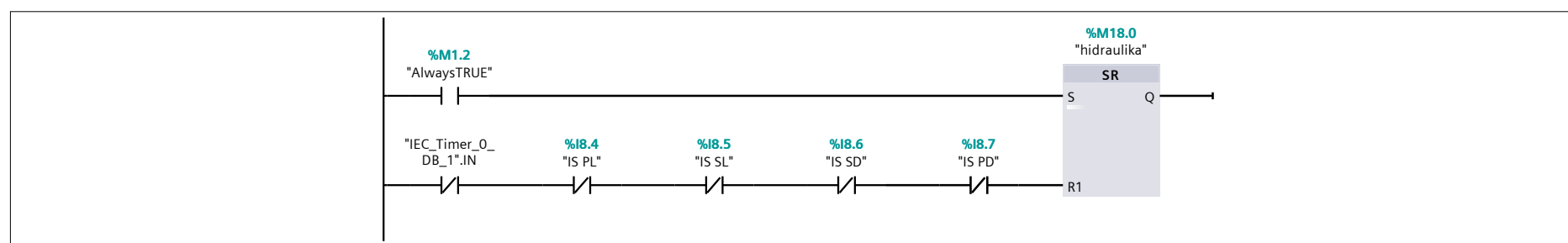
| Name | Data type | Default value | Comment |
|--------------|-----------|---------------|---------------------------------------|
| ▼ Input | | | |
| Initial_Call | Bool | | Initial call of this OB |
| Remanence | Bool | | =True, if remanent data are available |
| ▼ Temp | | | |
| Otpad_2 | Bool | | |
| Constant | | | |

Network 1: Zastita od rada na suho



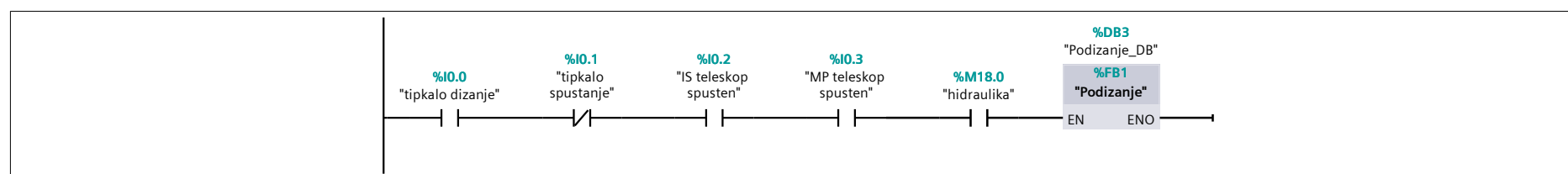
| Symbol | Address | Type | Comment |
|-------------------|---------|------|---|
| "IS PD" | %I8.7 | Bool | induktivni senzor (DI modul, prvi do PLC-a) |
| "IS PL" | %I8.4 | Bool | induktivni senzor (DI modul, prvi do PLC-a) |
| "IS SD" | %I8.6 | Bool | induktivni senzor (DI modul, prvi do PLC-a) |
| "tipkalo dizanje" | %I0.0 | Bool | tipkalo zeleno (digitalni ulaz PLC-a) |
| #Otpad_2 | | Bool | |

Network 2: Ako su 3 sekunde nakon aktivacije automatske nivelacije induktivni senzori u stanju "1" onda ugasi nivelaciju jer ocito pum-pa ne tlaci ulje.



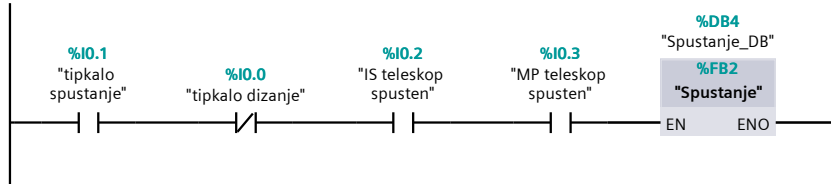
| Symbol | Address | Type | Comment |
|-----------------------|---------|------|--|
| "AlwaysTRUE" | %M1.2 | Bool | |
| "hidraulika" | %M18.0 | Bool | bistabil koji signalizira ukljucenost hidraulike |
| "IEC_Timer_0_DB_1".IN | | Bool | |
| "IS PD" | %I8.7 | Bool | induktivni senzor (DI modul, prvi do PLC-a) |
| "IS PL" | %I8.4 | Bool | induktivni senzor (DI modul, prvi do PLC-a) |
| "IS SD" | %I8.6 | Bool | induktivni senzor (DI modul, prvi do PLC-a) |
| "IS SL" | %I8.5 | Bool | induktivni senzor (DI modul, prvi do PLC-a) |

Network 3: Aktivacija automatske nivelacije.



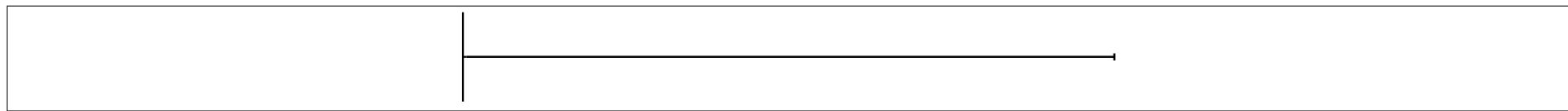
| Symbol | Address | Type | Comment |
|-----------------------|---------|------|--|
| "hidraulika" | %M18.0 | Bool | bistabil koji signalizira ukljucenost hidraulike |
| "IS teleskop spusten" | %I0.2 | Bool | induktivni senzor (digitalni ulaz PLC-a) |
| "MP teleskop spusten" | %I0.3 | Bool | mikroprekidač (digitalni ulaz PLC-a) |
| "tipkalo dizanje" | %I0.0 | Bool | tipkalo zeleno (digitalni ulaz PLC-a) |
| "tipkalo spustanje" | %I0.1 | Bool | tipkalo bijelo (digitalni ulaz PLC-a) |

Network 4: Aktivacija spustanja dizalice i spremanja u transportni položaj.



| Symbol | Address | Type | Comment |
|-----------------------|---------|------|--|
| "IS teleskop spusten" | %I0.2 | Bool | induktivni senzor (digitalni ulaz PLC-a) |
| "MP teleskop spusten" | %I0.3 | Bool | mikroprekidač (digitalni ulaz PLC-a) |
| "tipkalo dizanje" | %I0.0 | Bool | tipkalo zeleno (digitalni ulaz PLC-a) |
| "tipkalo spustanje" | %I0.1 | Bool | tipkalo bijelo (digitalni ulaz PLC-a) |

Network 5:



| Symbol | Address | Type | Comment |
|--------|---------|------|---------|
|--------|---------|------|---------|

Antic_diplomski / PLC_1 [CPU 1217C DC/DC/DC] / Program blocks

Podizanje [FB1]

Podizanje Properties

General

| | | | | | | | |
|-----------|-----------|--------|---|------|----|----------|-----|
| Name | Podizanje | Number | 1 | Type | FB | Language | LAD |
| Numbering | automatic | | | | | | |

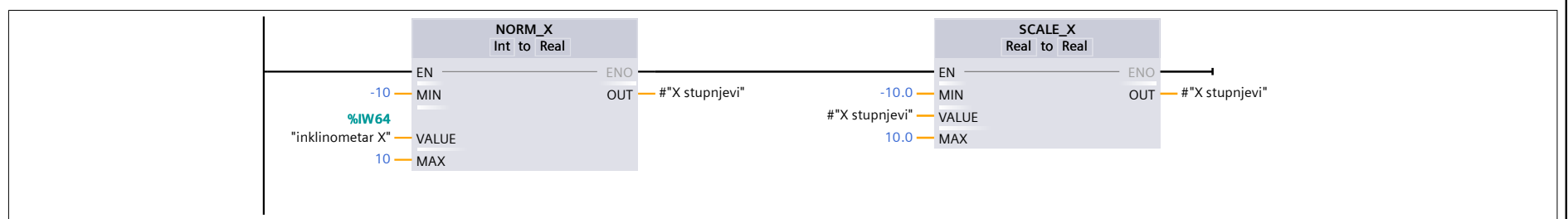
Information

| | | | | | | | |
|---------|-----|-----------------|--|---------|--|--------|--|
| Title | | Author | | Comment | | Family | |
| Version | 0.1 | User-defined ID | | | | | |

Podizanje

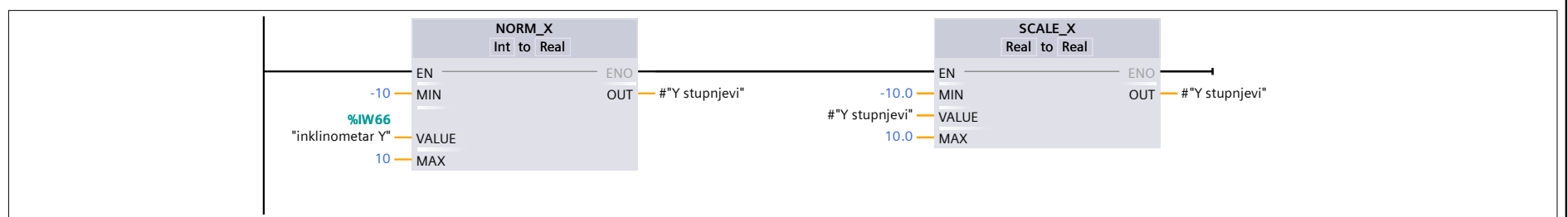
| Name | Data type | Default value | Retain | Accessible from HMI | Visible in HMI | Setpoint | Comment |
|------------------------|-----------|---------------|------------|---------------------|----------------|----------|---------|
| Input | | | | | | | |
| Output | | | | | | | |
| InOut | | | | | | | |
| ▼ Static | | | | | | | |
| X stupnjevi | Real | 0.0 | Non-retain | True | True | False | |
| Y stupnjevi | Real | 0.0 | Non-retain | True | True | False | |
| stabilizatori spusteni | Bool | false | Non-retain | True | True | False | |
| nivelirano | Bool | false | Non-retain | True | True | False | |
| ▼ Temp | | | | | | | |
| otpad_1 | Bool | | | | | | |
| ▼ Constant | | | | | | | |
| gornja_granica | Real | 0.3 | | | | | |
| donja_granica | Real | -0.3 | | | | | |

Network 1: Pretvorba analognog signala X-osi u stupnjeve



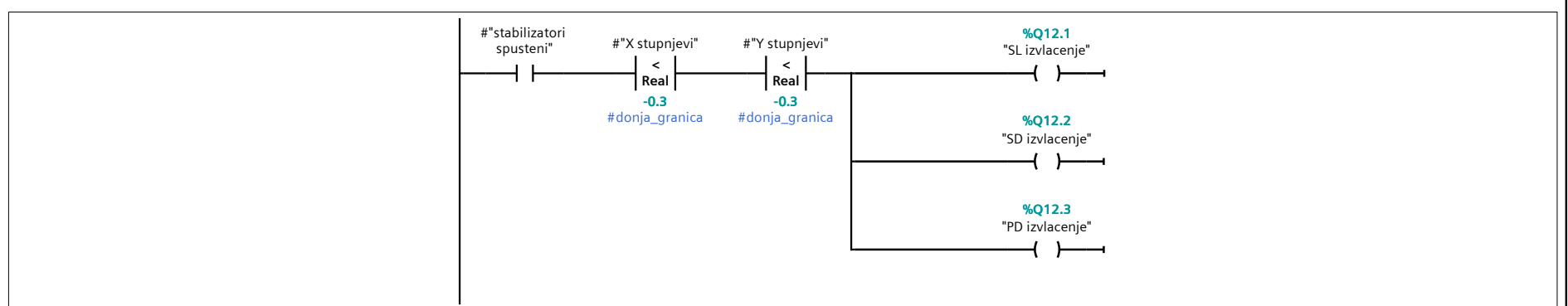
| Symbol | Address | Type | Comment |
|------------------|---------|------|---|
| "inklinometar X" | %IW64 | Word | inklinometar (analogni ulaz PLC-a; CH1) |
| "#X stupnjevi" | | Real | |

Network 2: Pretvorba analognog signala Y-osi u stupnjeve



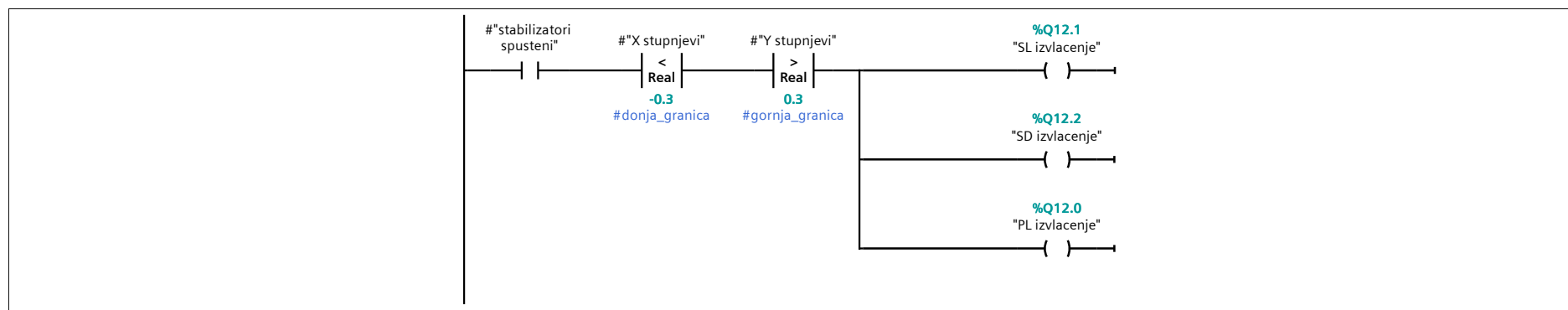
| Symbol | Address | Type | Comment |
|------------------|---------|------|---|
| "inklinometar Y" | %IW66 | Word | inklinometar (analogni ulaz PLC-a; CH2) |
| "#Y stupnjevi" | | Real | |

Network 3: STABILIZATORI SPUŠTENI; alfa < 0, beta < 0



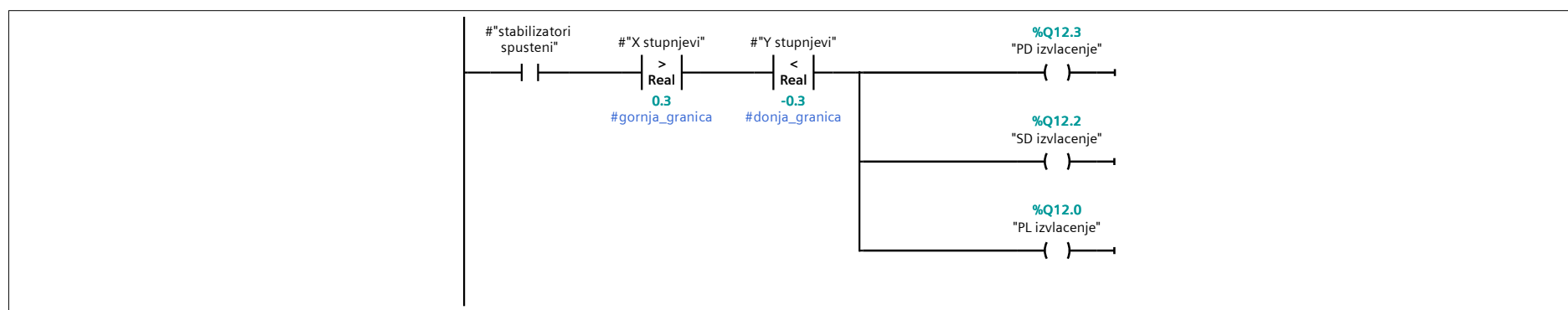
| Symbol | Address | Type | Comment |
|---------------------------|---------|------|--|
| "PD izvlacenje" | %Q12.3 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SD izvlacenje" | %Q12.2 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SL izvlacenje" | %Q12.1 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "#stabilizatori spusteni" | | Bool | |
| "#X stupnjevi" | | Real | |
| "#Y stupnjevi" | | Real | |
| #donja_granica | -0.3 | Real | |

Network 4: STABILIZATORI SPUŠTENI; alfa < 0, beta > 0



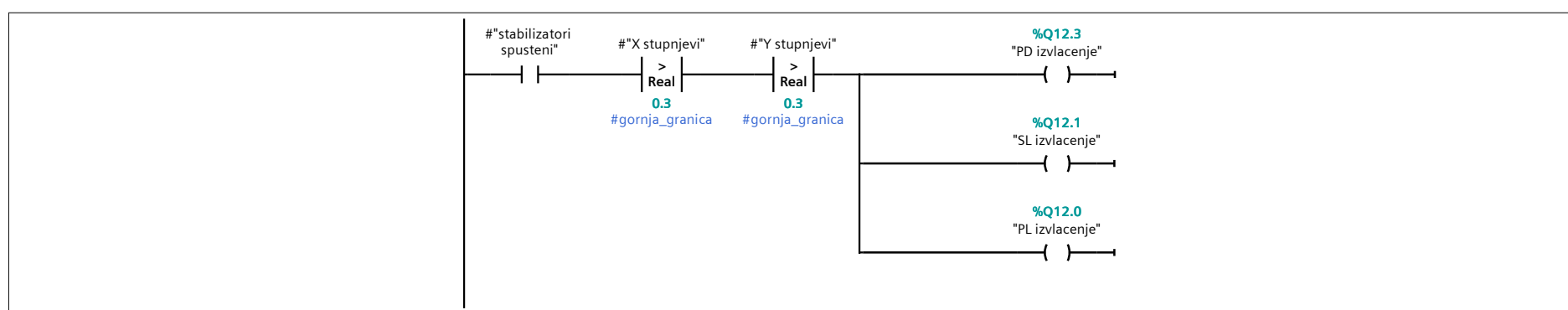
| Symbol | Address | Type | Comment |
|---------------------------|---------|------|--|
| "PL izvlacenje" | %Q12.0 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SD izvlacenje" | %Q12.2 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SL izvlacenje" | %Q12.1 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "#stabilizatori spusteni" | | Bool | |
| "#X stupnjevi" | | Real | |
| "#Y stupnjevi" | | Real | |
| #donja_granica | -0.3 | Real | |
| #gornja_granica | 0.3 | Real | |

Network 5: STABILIZATORI SPUŠTENI; alfa > 0, beta < 0



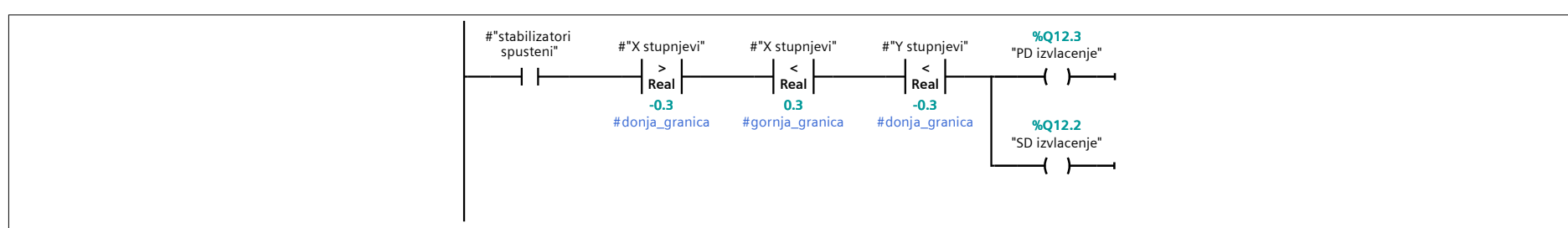
| Symbol | Address | Type | Comment |
|---------------------------|---------|------|--|
| "PD izvlacenje" | %Q12.3 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "PL izvlacenje" | %Q12.0 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SD izvlacenje" | %Q12.2 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "#stabilizatori spusteni" | | Bool | |
| "#X stupnjevi" | | Real | |
| "#Y stupnjevi" | | Real | |
| #donja_granica | -0.3 | Real | |
| #gornja_granica | 0.3 | Real | |

Network 6: STABILIZATORI SPUŠTENI; alfa > 0, beta > 0



| Symbol | Address | Type | Comment |
|---------------------------|---------|------|--|
| "PD izvlacenje" | %Q12.3 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "PL izvlacenje" | %Q12.0 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SL izvlacenje" | %Q12.1 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "#stabilizatori spusteni" | | Bool | |
| "#X stupnjevi" | | Real | |
| "#Y stupnjevi" | | Real | |
| #gornja_granica | 0.3 | Real | |

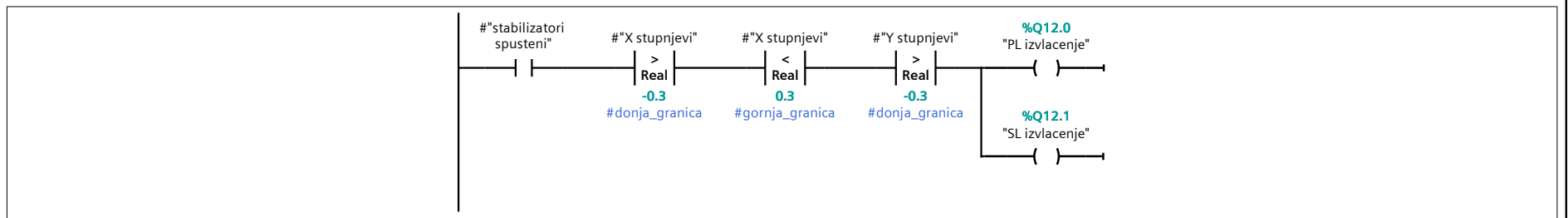
Network 7: STABILIZATORI SPUŠTENI; alfa = 0, beta < 0



| Symbol | Address | Type | Comment |
|-----------------|---------|------|--|
| "PD izvlacenje" | %Q12.3 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SD izvlacenje" | %Q12.2 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |

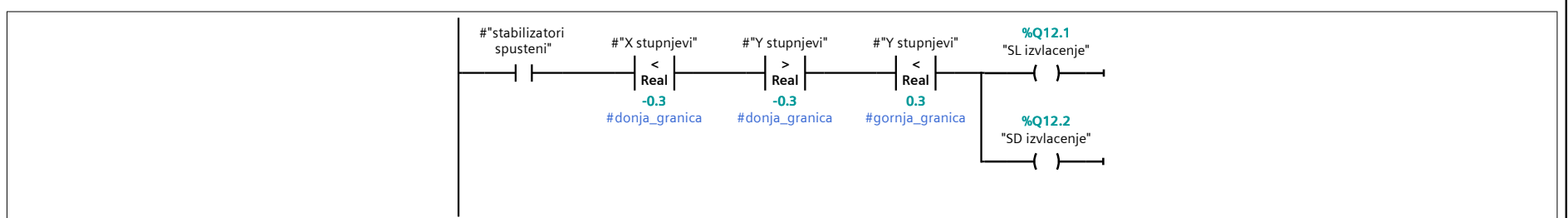
| Symbol | Address | Type | Comment |
|---------------------------|---------|------|---------|
| #"stabilizatori spusteni" | | Bool | |
| #"X stupnjevi" | | Real | |
| #"Y stupnjevi" | | Real | |
| #donja_granica | -0.3 | Real | |
| #gornja_granica | 0.3 | Real | |

Network 8: STABILIZATORI SPUŠTENI; alfa = 0, beta > 0



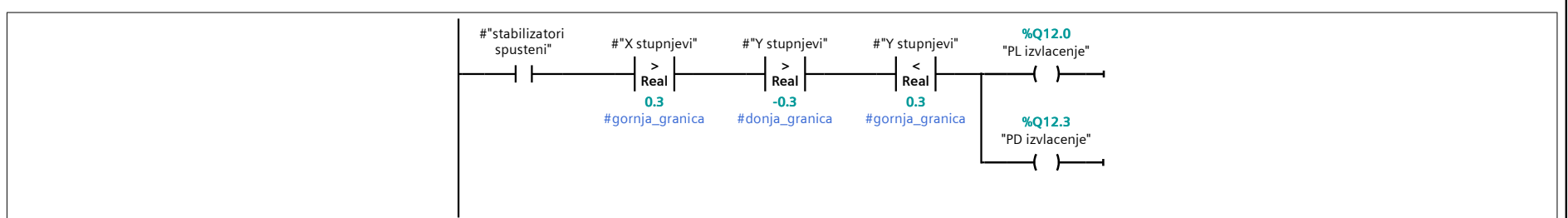
| Symbol | Address | Type | Comment |
|---------------------------|---------|------|--|
| "PL izvlacenje" | %Q12.0 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SL izvlacenje" | %Q12.1 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| #"stabilizatori spusteni" | | Bool | |
| #"X stupnjevi" | | Real | |
| #"Y stupnjevi" | | Real | |
| #donja_granica | -0.3 | Real | |
| #gornja_granica | 0.3 | Real | |

Network 9: STABILIZATORI SPUŠTENI; alfa < 0, beta = 0



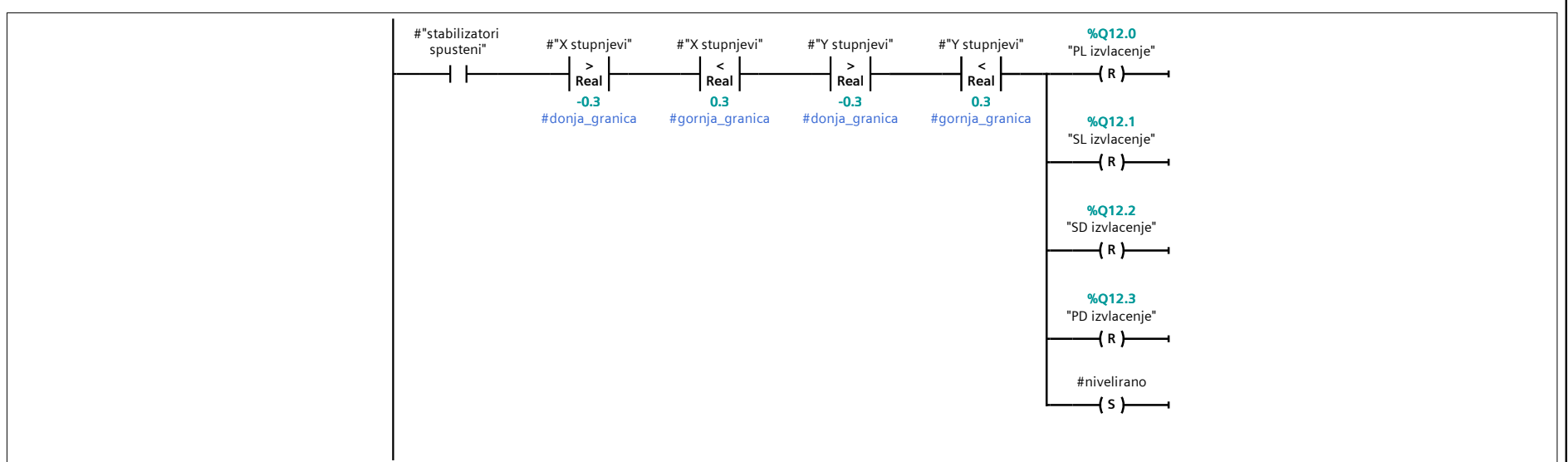
| Symbol | Address | Type | Comment |
|---------------------------|---------|------|--|
| "SD izvlacenje" | %Q12.2 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SL izvlacenje" | %Q12.1 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| #"stabilizatori spusteni" | | Bool | |
| #"X stupnjevi" | | Real | |
| #"Y stupnjevi" | | Real | |
| #donja_granica | -0.3 | Real | |
| #gornja_granica | 0.3 | Real | |

Network 10: STABILIZATORI SPUŠTENI; alfa > 0, beta = 0



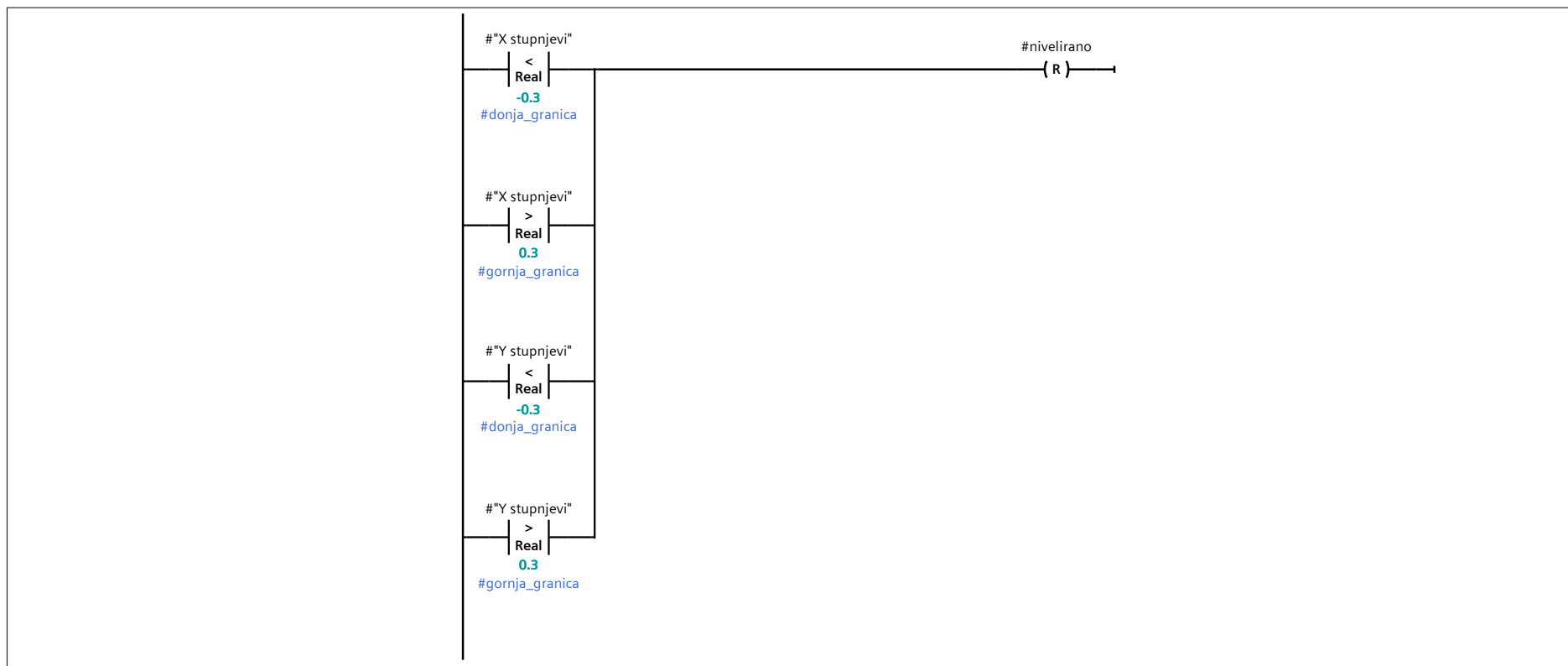
| Symbol | Address | Type | Comment |
|---------------------------|---------|------|--|
| "PD izvlacenje" | %Q12.3 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "PL izvlacenje" | %Q12.0 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| #"stabilizatori spusteni" | | Bool | |
| #"X stupnjevi" | | Real | |
| #"Y stupnjevi" | | Real | |
| #donja_granica | -0.3 | Real | |
| #gornja_granica | 0.3 | Real | |

Network 11: STABILIZATORI SPUŠTENI; alfa = 0, beta = 0 ; aktiviran signal za detekciju niveliranosti



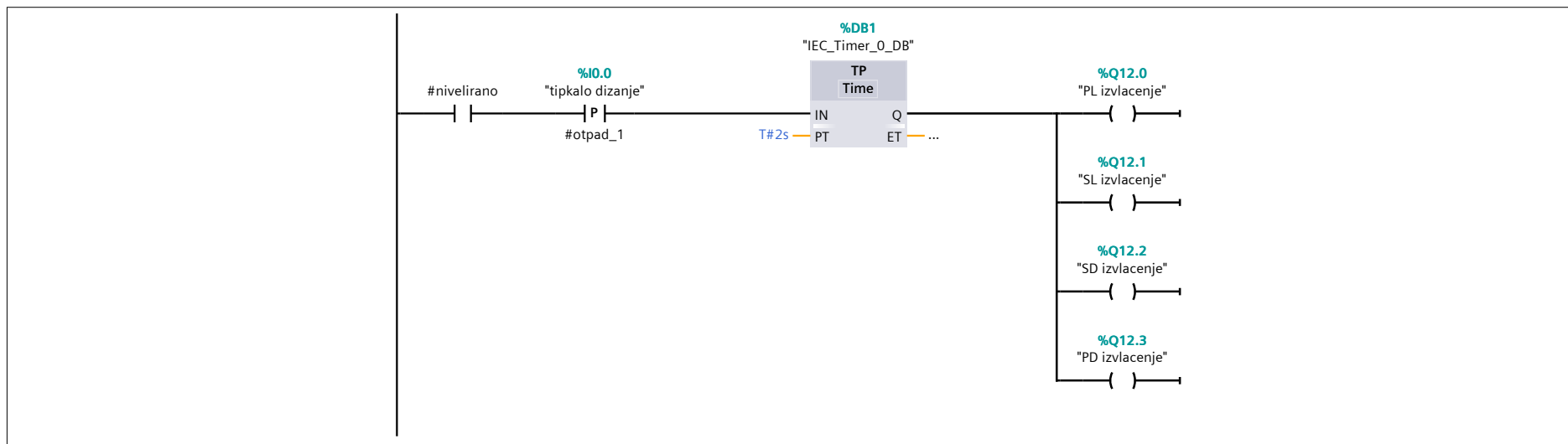
| Symbol | Address | Type | Comment |
|---------------------------|---------|------|--|
| "PD izvlacenje" | %Q12.3 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "PL izvlacenje" | %Q12.0 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SD izvlacenje" | %Q12.2 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SL izvlacenje" | %Q12.1 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "#stabilizatori spusteni" | | Bool | |
| "#X stupnjevi" | | Real | |
| "#Y stupnjevi" | | Real | |
| #donja_granica | -0.3 | Real | |
| #gornja_granica | 0.3 | Real | |
| #nivelirano | | Bool | |

Network 12: Ponistavanje signala "nivelirano" ako nagib oko X ili Y osi izađe iz intervala oko nule



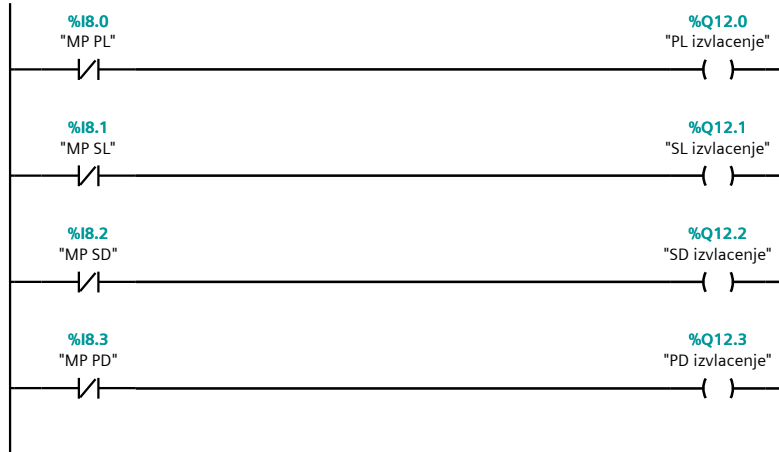
| Symbol | Address | Type | Comment |
|-----------------|---------|------|---------|
| "#X stupnjevi" | | Real | |
| "#Y stupnjevi" | | Real | |
| #donja_granica | -0.3 | Real | |
| #gornja_granica | 0.3 | Real | |
| #nivelirano | | Bool | |

Network 13: Nakon uspjesne nivelacije novi uzlazni brid "tipkalo dizanje" izvlaci sve stabilizatori dvije sekunde



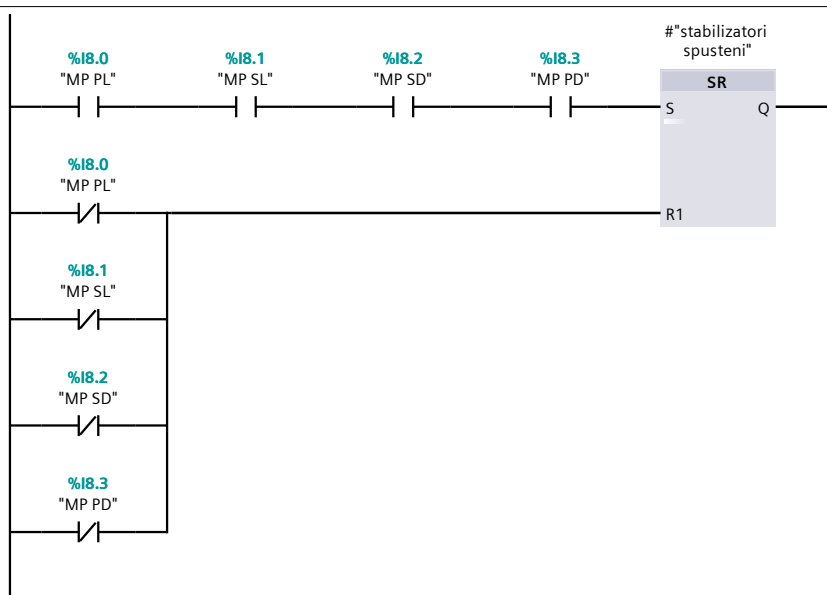
| Symbol | Address | Type | Comment |
|-------------------|---------|------|--|
| "PD izvlacenje" | %Q12.3 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "PL izvlacenje" | %Q12.0 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SD izvlacenje" | %Q12.2 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SL izvlacenje" | %Q12.1 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "tipkalo dizanje" | %I0.0 | Bool | tipkalo zeleno (digitalni ulaz PLC-a) |
| #nivelirano | | Bool | |
| #otpad_1 | | Bool | |

Network 14: Svaki stabilizator se izvlaci dok te ostvari kontakt s podlogom



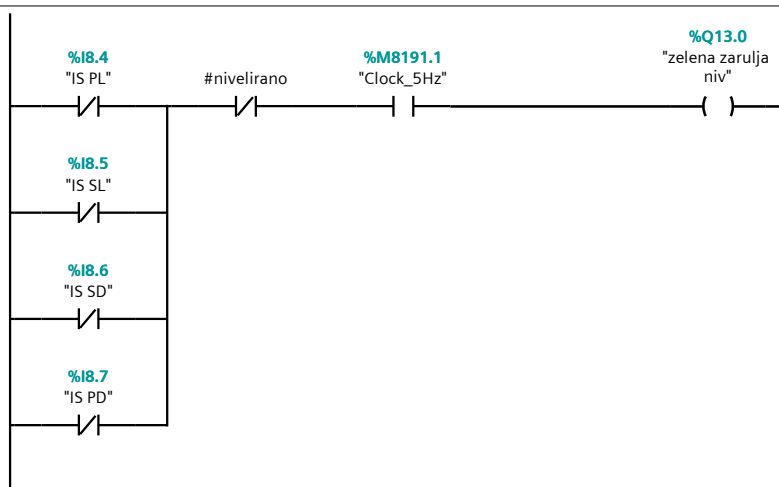
| Symbol | Address | Type | Comment |
|-----------------|---------|------|--|
| "MP PD" | %I8.3 | Bool | mikroprekidač (DI modul, prvi do PLC-a) |
| "MP PL" | %I8.0 | Bool | mikroprekidač (DI modul, prvi do PLC-a) |
| "MP SD" | %I8.2 | Bool | mikroprekidač (DI modul, prvi do PLC-a) |
| "MP SL" | %I8.1 | Bool | mikroprekidač (DI modul, prvi do PLC-a) |
| "PD izvlacenje" | %Q12.3 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "PL izvlacenje" | %Q12.0 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SD izvlacenje" | %Q12.2 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SL izvlacenje" | %Q12.1 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |

Network 15: Signal "stabilizatori spusteni" je aktivan ako su svi stabilizatori u kontaktu s podlogom



| Symbol | Address | Type | Comment |
|---------------------------|---------|------|---|
| "MP PD" | %I8.3 | Bool | mikroprekidač (DI modul, prvi do PLC-a) |
| "MP PL" | %I8.0 | Bool | mikroprekidač (DI modul, prvi do PLC-a) |
| "MP SD" | %I8.2 | Bool | mikroprekidač (DI modul, prvi do PLC-a) |
| "MP SL" | %I8.1 | Bool | mikroprekidač (DI modul, prvi do PLC-a) |
| "#stabilizatori spusteni" | | Bool | |

Network 16: Zeleno svjetlo treperi (5 Hz) dok sustav nije niveliran, a jedan ili više stabilizatora nisu sasvim uvuceni



| Symbol | Address | Type | Comment |
|----------------------|----------|------|---|
| "Clock_5Hz" | %M8191.1 | Bool | |
| "IS PD" | %I8.7 | Bool | induktivni senzor (DI modul, prvi do PLC-a) |
| "IS PL" | %I8.4 | Bool | induktivni senzor (DI modul, prvi do PLC-a) |
| "IS SD" | %I8.6 | Bool | induktivni senzor (DI modul, prvi do PLC-a) |
| "IS SL" | %I8.5 | Bool | induktivni senzor (DI modul, prvi do PLC-a) |
| "zelena zarulja niv" | %Q13.0 | Bool | zelena zarulja (DQ modul, drugi do PLC-a) |
| #nivelirano | | Bool | |

Network 17: Kad je sustav niveliran onda kontinuirano svijetli zeleno svjetlo

#nivelirano

%Q13.0
"zelena zarulja
niv"

| Symbol | Address | Type | Comment |
|----------------------|---------|------|---|
| "zelena zarulja niv" | %Q13.0 | Bool | zelena zarulja (DQ modul, drugi do PLC-a) |
| #nivelirano | | Bool | |

Antic_diplomski / PLC_1 [CPU 1217C DC/DC/DC] / Program blocks

Spustanje [FB2]

Spustanje Properties

General

| | | | | | | | |
|-----------|-----------|--------|---|------|----|----------|-----|
| Name | Spustanje | Number | 2 | Type | FB | Language | LAD |
| Numbering | automatic | | | | | | |

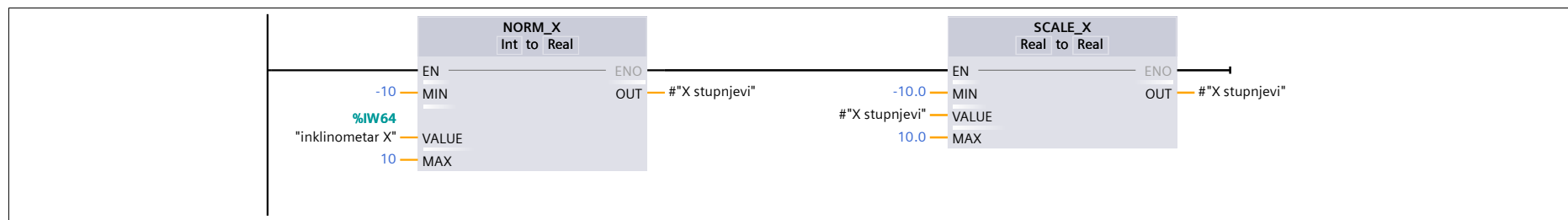
Information

| | | | | | | | |
|---------|-----|-----------------|--|---------|--|--------|--|
| Title | | Author | | Comment | | Family | |
| Version | 0.1 | User-defined ID | | | | | |

Spustanje

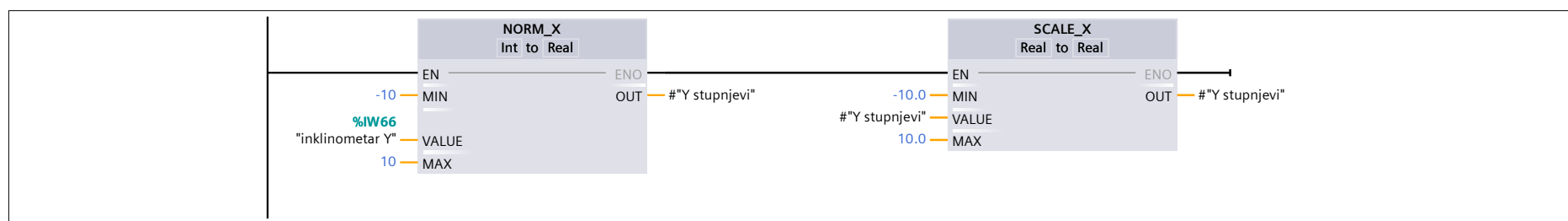
| Name | Data type | Default value | Retain | Accessible from HMI | Visible in HMI | Setpoint | Comment |
|------------------------|-----------|---------------|------------|---------------------|----------------|----------|---------|
| Input | | | | | | | |
| Output | | | | | | | |
| InOut | | | | | | | |
| ▼ Static | | | | | | | |
| X stupnjevi | Real | 0.0 | Non-retain | True | True | False | |
| Y stupnjevi | Real | 0.0 | Non-retain | True | True | False | |
| stabilizatori spusteni | Bool | false | Non-retain | True | True | False | |
| nivelirano | Bool | false | Non-retain | True | True | False | |
| ▼ Temp | | | | | | | |
| otpad_1 | Bool | | | | | | |
| ▼ Constant | | | | | | | |
| gornja_granica | Real | 0.3 | | | | | |
| donja_granica | Real | -0.3 | | | | | |

Network 1: Pretvorba analognog signala X-osi u stupnjeve



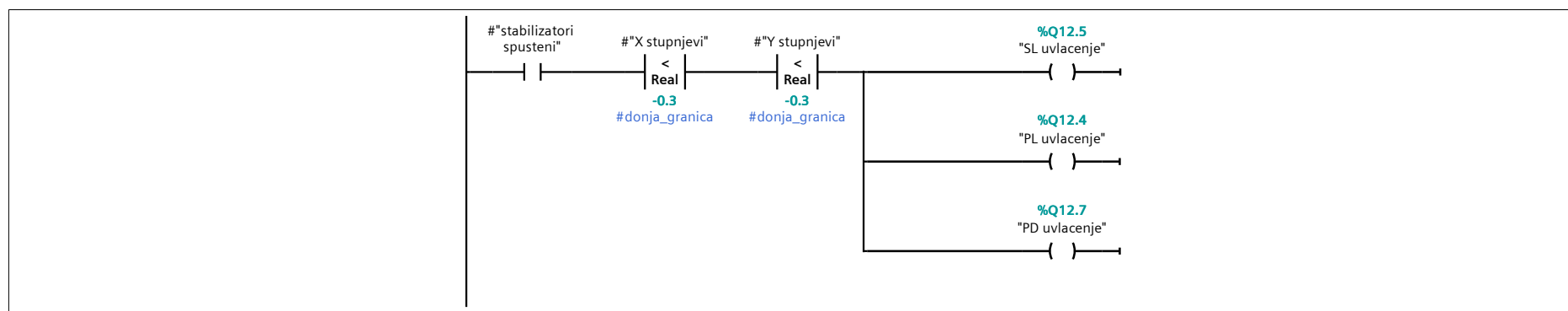
| Symbol | Address | Type | Comment |
|------------------|---------|------|---|
| "inklinometar X" | %IW64 | Word | inklinometar (analogni ulaz PLC-a; CH1) |
| "#X stupnjevi" | | Real | |

Network 2: Pretvorba analognog signala Y-osi u stupnjeve



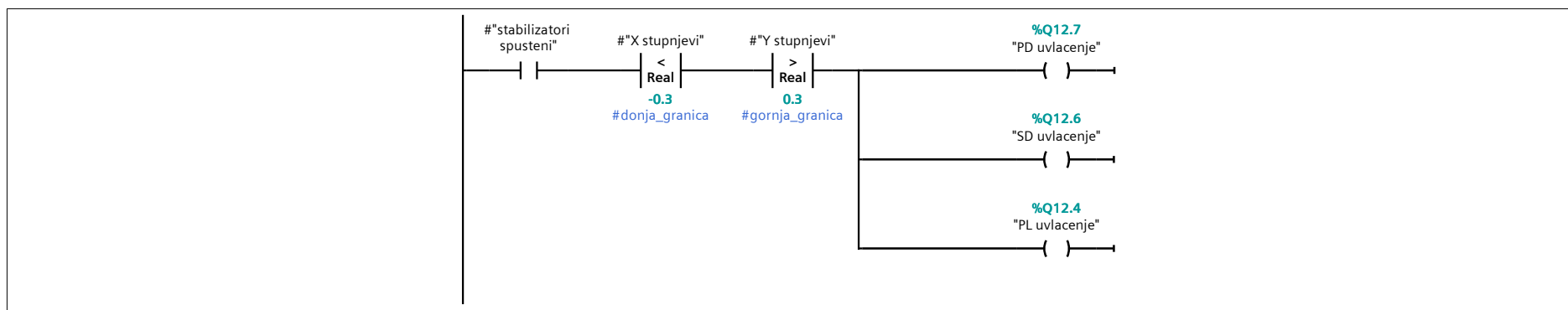
| Symbol | Address | Type | Comment |
|------------------|---------|------|---|
| "inklinometar Y" | %IW66 | Word | inklinometar (analogni ulaz PLC-a; CH2) |
| "#Y stupnjevi" | | Real | |

Network 3: STABILIZATORI SPUŠTENI; alfa < 0, beta < 0



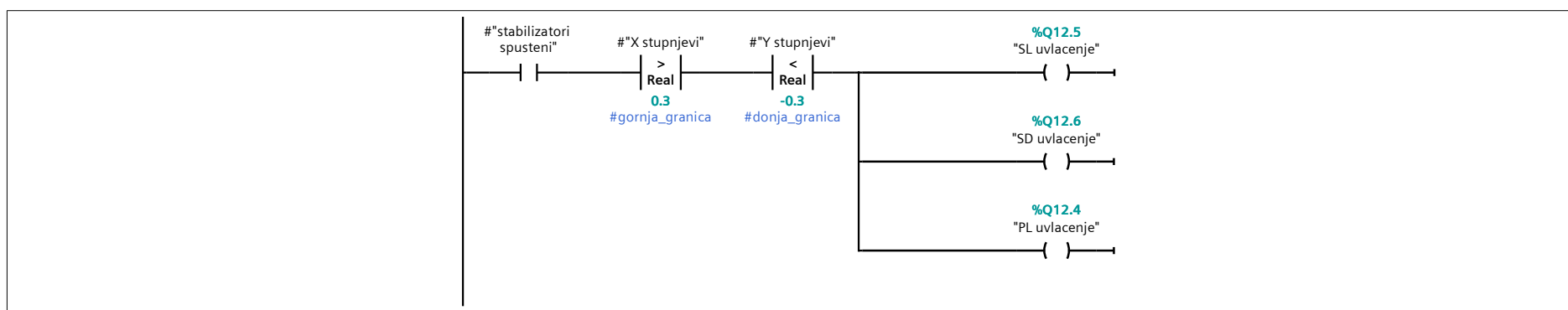
| Symbol | Address | Type | Comment |
|---------------------------|---------|------|--|
| "PD uvlačenje" | %Q12.7 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "PL uvlačenje" | %Q12.4 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SL uvlačenje" | %Q12.5 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "#stabilizatori spusteni" | | Bool | |
| "#X stupnjevi" | | Real | |
| "#Y stupnjevi" | | Real | |
| "#donja_granica" | -0.3 | Real | |

Network 4: STABILIZATORI SPUŠTENI; alfa < 0, beta > 0



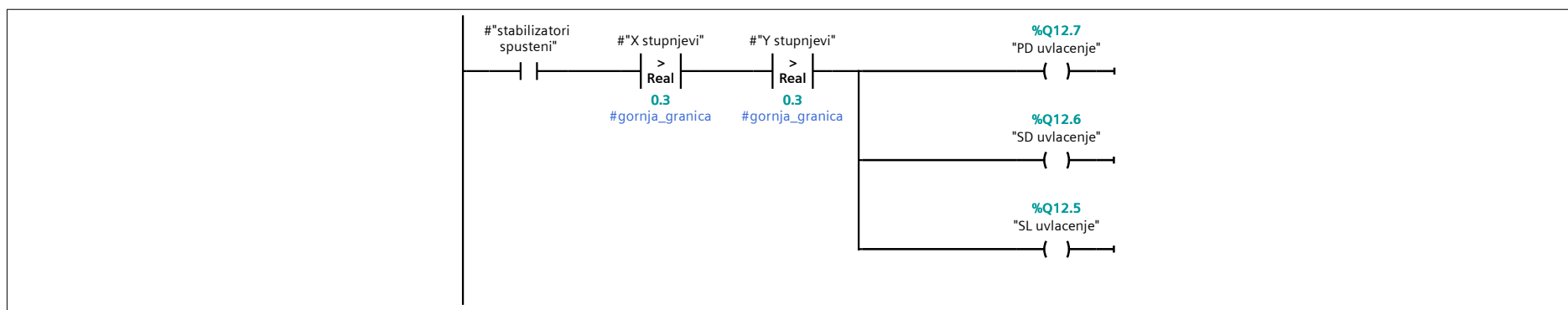
| Symbol | Address | Type | Comment |
|---------------------------|---------|------|--|
| "PD uvlacenje" | %Q12.7 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "PL uvlacenje" | %Q12.4 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SD uvlacenje" | %Q12.6 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "#stabilizatori spusteni" | | Bool | |
| "#X stupnjevi" | | Real | |
| "#Y stupnjevi" | | Real | |
| #donja_granica | -0.3 | Real | |
| #gornja_granica | 0.3 | Real | |

Network 5: STABILIZATORI SPUŠTENI; alfa > 0, beta < 0



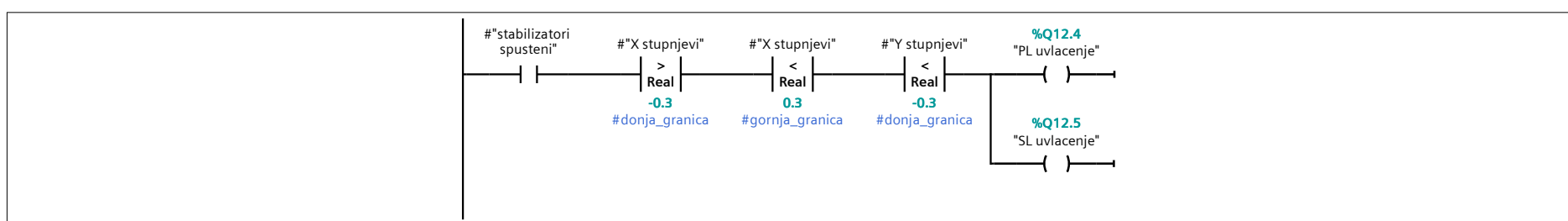
| Symbol | Address | Type | Comment |
|---------------------------|---------|------|--|
| "PL uvlacenje" | %Q12.4 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SD uvlacenje" | %Q12.6 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SL uvlacenje" | %Q12.5 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "#stabilizatori spusteni" | | Bool | |
| "#X stupnjevi" | | Real | |
| "#Y stupnjevi" | | Real | |
| #donja_granica | -0.3 | Real | |
| #gornja_granica | 0.3 | Real | |

Network 6: STABILIZATORI SPUŠTENI; alfa > 0, beta > 0



| Symbol | Address | Type | Comment |
|---------------------------|---------|------|--|
| "PD uvlacenje" | %Q12.7 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SD uvlacenje" | %Q12.6 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SL uvlacenje" | %Q12.5 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "#stabilizatori spusteni" | | Bool | |
| "#X stupnjevi" | | Real | |
| "#Y stupnjevi" | | Real | |
| #gornja_granica | 0.3 | Real | |

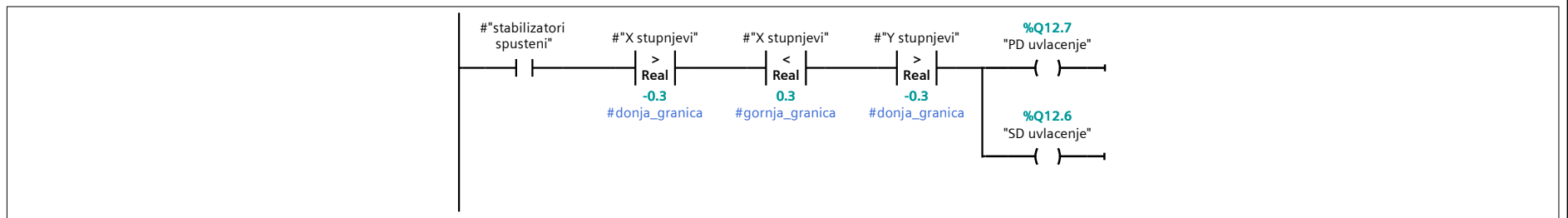
Network 7: STABILIZATORI SPUŠTENI; alfa = 0, beta < 0



| Symbol | Address | Type | Comment |
|----------------|---------|------|--|
| "PL uvlacenje" | %Q12.4 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SL uvlacenje" | %Q12.5 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |

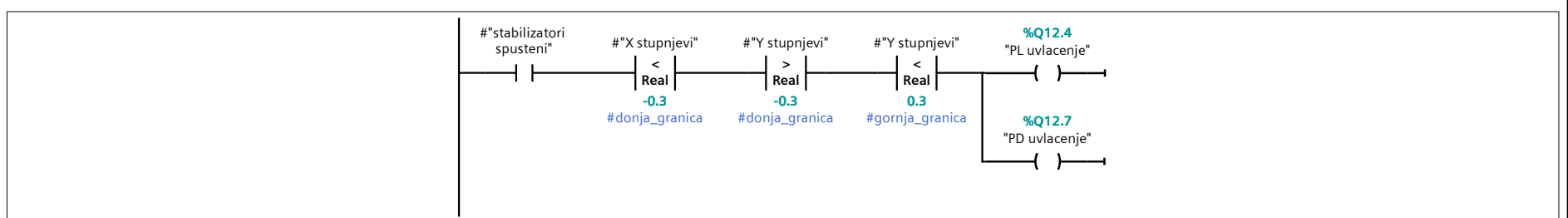
| Symbol | Address | Type | Comment |
|---------------------------|---------|------|---------|
| #"stabilizatori spusteni" | | Bool | |
| #"X stupnjevi" | | Real | |
| #"Y stupnjevi" | | Real | |
| #donja_granica | -0.3 | Real | |
| #gornja_granica | 0.3 | Real | |

Network 8: STABILIZATORI SPUŠTENI; alfa = 0, beta > 0



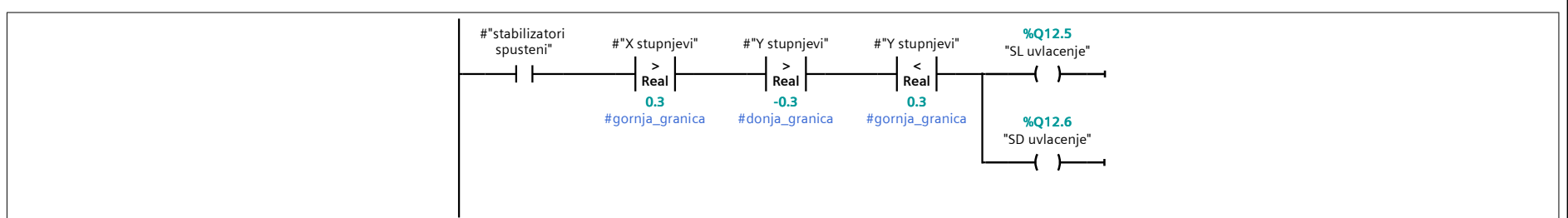
| Symbol | Address | Type | Comment |
|---------------------------|---------|------|--|
| "PD uvlacenje" | %Q12.7 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SD uvlacenje" | %Q12.6 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| #"stabilizatori spusteni" | | Bool | |
| #"X stupnjevi" | | Real | |
| #"Y stupnjevi" | | Real | |
| #donja_granica | -0.3 | Real | |
| #gornja_granica | 0.3 | Real | |

Network 9: STABILIZATORI SPUŠTENI; alfa < 0, beta = 0



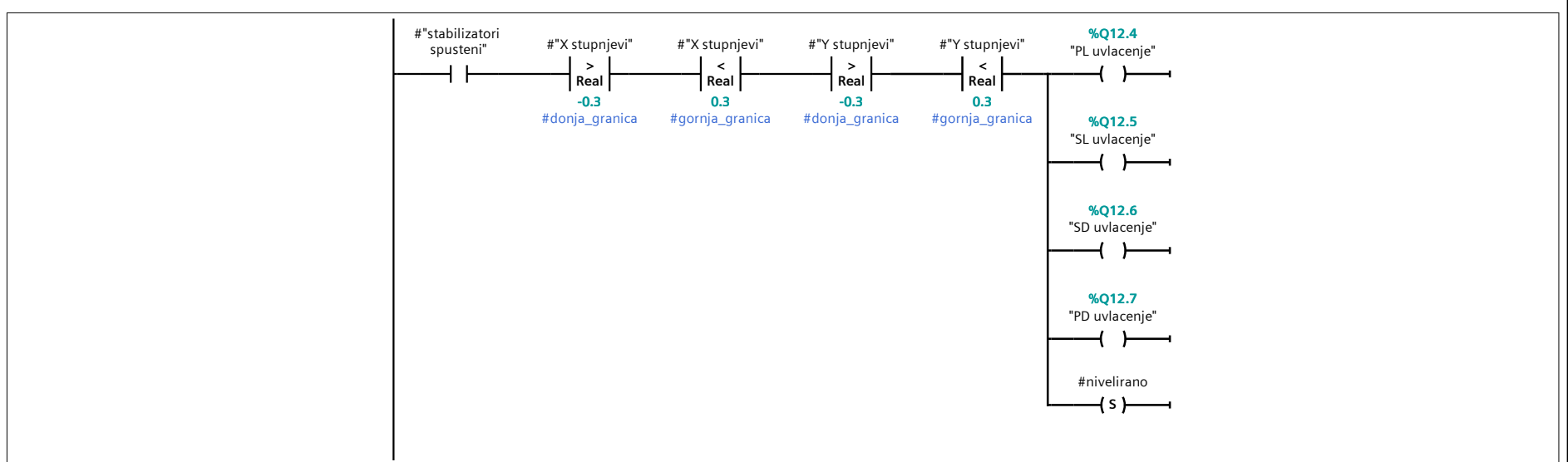
| Symbol | Address | Type | Comment |
|---------------------------|---------|------|--|
| "PD uvlacenje" | %Q12.7 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "PL uvlacenje" | %Q12.4 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| #"stabilizatori spusteni" | | Bool | |
| #"X stupnjevi" | | Real | |
| #"Y stupnjevi" | | Real | |
| #donja_granica | -0.3 | Real | |
| #gornja_granica | 0.3 | Real | |

Network 10: STABILIZATORI SPUŠTENI; alfa > 0, beta = 0



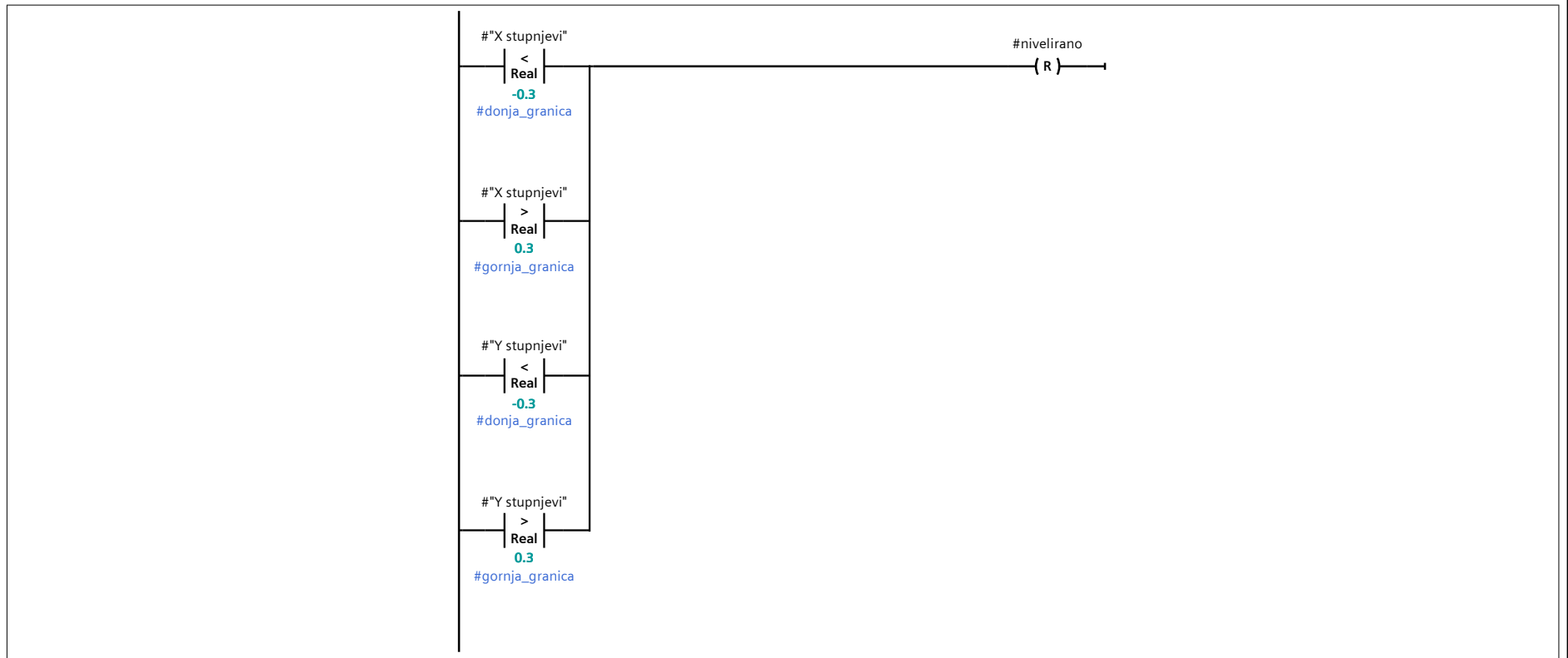
| Symbol | Address | Type | Comment |
|---------------------------|---------|------|--|
| "SD uvlacenje" | %Q12.6 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SL uvlacenje" | %Q12.5 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| #"stabilizatori spusteni" | | Bool | |
| #"X stupnjevi" | | Real | |
| #"Y stupnjevi" | | Real | |
| #donja_granica | -0.3 | Real | |
| #gornja_granica | 0.3 | Real | |

Network 11: STABILIZATORI SPUŠTENI; alfa = 0, beta = 0 ; aktiviran signal za detekciju niveliranosti



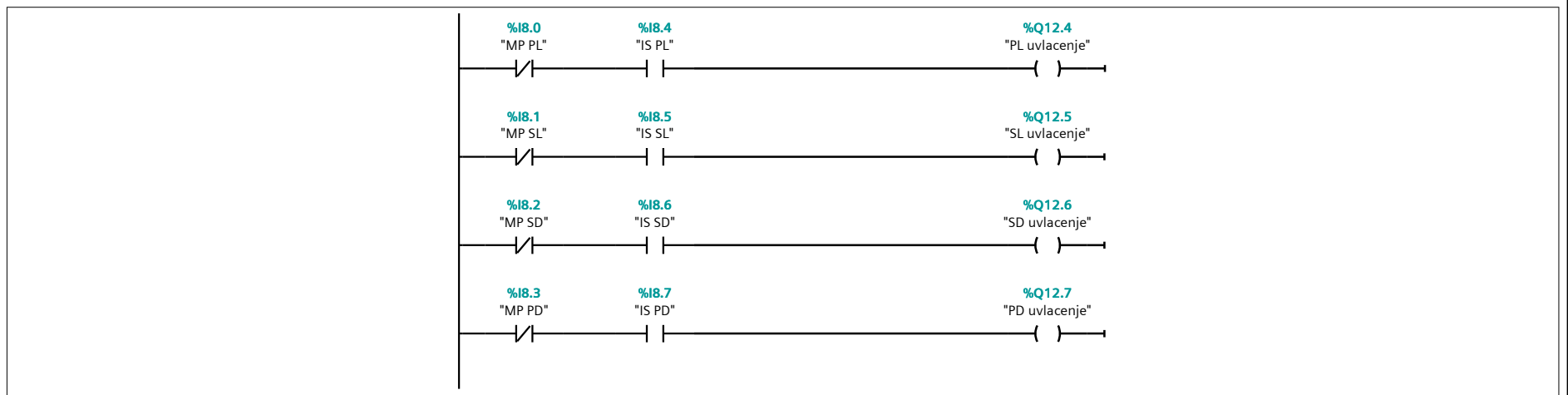
| Symbol | Address | Type | Comment |
|---------------------------|---------|------|--|
| "PD uvlacenje" | %Q12.7 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "PL uvlacenje" | %Q12.4 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SD uvlacenje" | %Q12.6 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SL uvlacenje" | %Q12.5 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "#stabilizatori spusteni" | | Bool | |
| "#X stupnjevi" | | Real | |
| "#Y stupnjevi" | | Real | |
| #donja_granica | -0.3 | Real | |
| #gornja_granica | 0.3 | Real | |
| #nivelirano | | Bool | |

Network 12: Ponistavanje signala "nivelirano" ako nagib oko X ili Y osi izađe iz intervala oko nule



| Symbol | Address | Type | Comment |
|-----------------|---------|------|---------|
| "#X stupnjevi" | | Real | |
| "#Y stupnjevi" | | Real | |
| #donja_granica | -0.3 | Real | |
| #gornja_granica | 0.3 | Real | |
| #nivelirano | | Bool | |

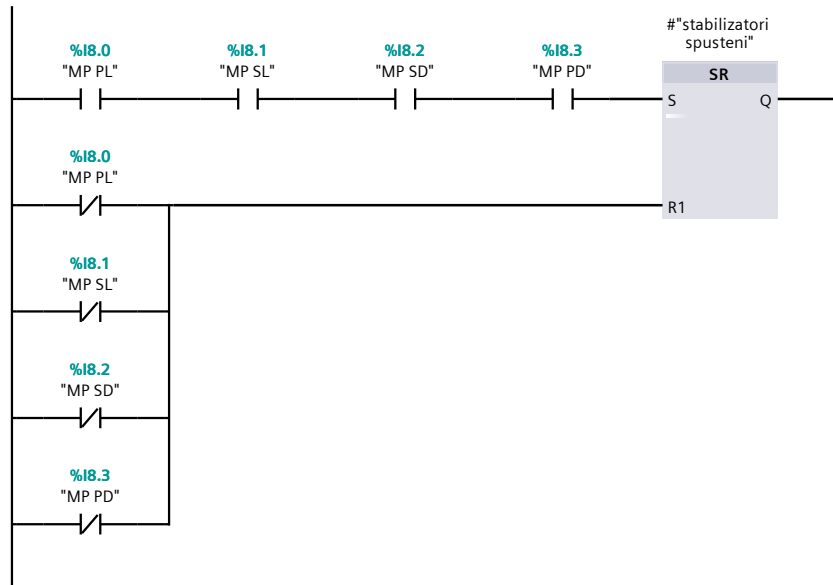
Network 13: Kad stabilizator izgubi kontakt s podlogom onda se uvlaci dok ne postigne skroz uvuceni polozej



| Symbol | Address | Type | Comment |
|----------------|---------|------|---|
| "IS PD" | %I8.7 | Bool | induktivni senzor (DI modul, prvi do PLC-a) |
| "IS PL" | %I8.4 | Bool | induktivni senzor (DI modul, prvi do PLC-a) |
| "IS SD" | %I8.6 | Bool | induktivni senzor (DI modul, prvi do PLC-a) |
| "IS SL" | %I8.5 | Bool | induktivni senzor (DI modul, prvi do PLC-a) |
| "MP PD" | %I8.3 | Bool | mikroprekidač (DI modul, prvi do PLC-a) |
| "MP PL" | %I8.0 | Bool | mikroprekidač (DI modul, prvi do PLC-a) |
| "MP SD" | %I8.2 | Bool | mikroprekidač (DI modul, prvi do PLC-a) |
| "MP SL" | %I8.1 | Bool | mikroprekidač (DI modul, prvi do PLC-a) |
| "PD uvlacenje" | %Q12.7 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "PL uvlacenje" | %Q12.4 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SD uvlacenje" | %Q12.6 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |
| "SL uvlacenje" | %Q12.5 | Bool | elektromagnet (DQ modul, drugi do PLC-a) |

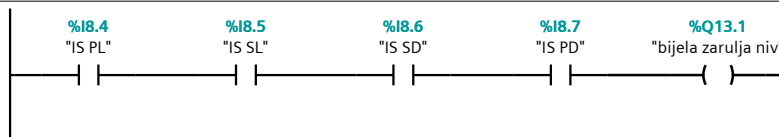
Network 14: Signal "stabilizatori spusteni" je aktivan ako su svi stabilizatori u kontaktu s podlogom

| Symbol | Address | Type | Comment |
|---------------------------|---------|------|---------|
| "#stabilizatori spusteni" | | Bool | |



| Symbol | Address | Type | Comment |
|---------------------------|---------|------|---|
| "MP PD" | %I8.3 | Bool | mikroprekidač (DI modul, prvi do PLC-a) |
| "MP PL" | %I8.0 | Bool | mikroprekidač (DI modul, prvi do PLC-a) |
| "MP SD" | %I8.2 | Bool | mikroprekidač (DI modul, prvi do PLC-a) |
| "MP SL" | %I8.1 | Bool | mikroprekidač (DI modul, prvi do PLC-a) |
| "#stabilizatori spusteni" | | Bool | |

Network 15: Kad su svi stabilizatori uvuceni onda svijetli bijelo svjetlo (dizalica u transportnom položaju)



| Symbol | Address | Type | Comment |
|----------------------|---------|------|---|
| "bijela zarulja niv" | %Q13.1 | Bool | bijela zarulja (DQ modul, drugi do PLC-a) |
| "IS PD" | %I8.7 | Bool | induktivni senzor (DI modul, prvi do PLC-a) |
| "IS PL" | %I8.4 | Bool | induktivni senzor (DI modul, prvi do PLC-a) |
| "IS SD" | %I8.6 | Bool | induktivni senzor (DI modul, prvi do PLC-a) |
| "IS SL" | %I8.5 | Bool | induktivni senzor (DI modul, prvi do PLC-a) |