

PLC a SIMATIC 3a - Riešenia a programy :)

FC101

Block: FC101 as **Ladder diagram**

Network: 1



Network: 2



FC101

Block: FC101 as **STL**

Network: 1

```
A      "packa0h"  I0.0
=      "pas>>"    Q8.5
```

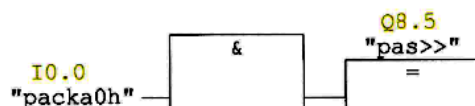
Network: 2

```
A      "packa1h"  I0.1
=      "pas<<"    Q8.6
```

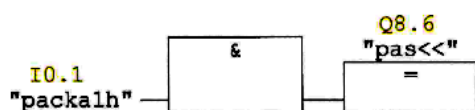
FC101

Block: FC101 as **FBD**

Network: 1



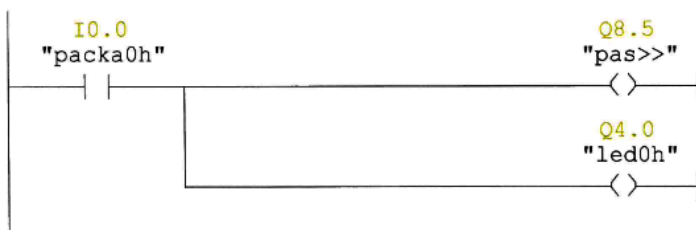
Network: 2



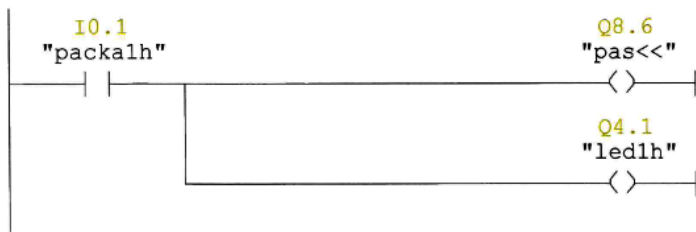
FC102

Block: FC102 as **Ladder diagram**

Network: 1



Network: 2



FC102

Block: FC102 as STL

Network: 1

```

A      "packa0h"  I0.0
=      "pas>>"   Q8.5
=      "led0h"   Q4.0
  
```

Network: 2

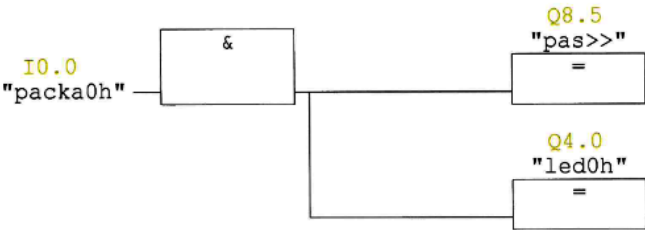
```

A      "packa1h"  I0.1
=      "pas<<"   Q8.6
=      "led1h"   Q4.1
  
```

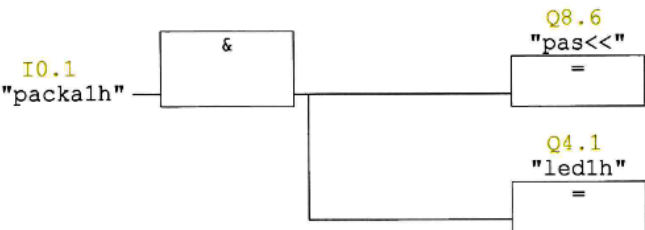
FC102

Block: FC102 as FBD

Network: 1



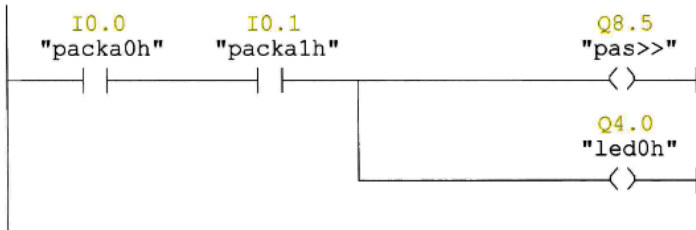
Network: 2



FC103

Block: FC103 as Ladder diagram

Network: 1



Network: 2



FC103

Block: FC103 as **STL**

Network: 1

| | | |
|---|-----------|------|
| A | "packa0h" | I0.0 |
| A | "packa1h" | I0.1 |
| = | "pas>>" | Q8.5 |
| = | "led0h" | Q4.0 |

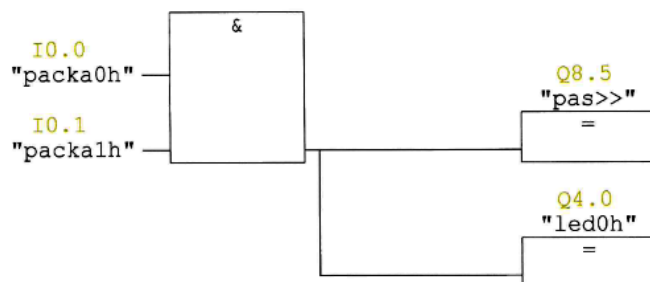
Network: 2

| | | |
|---|-----------|------|
| A | "packa2h" | I0.2 |
| = | "pas<<" | Q8.6 |

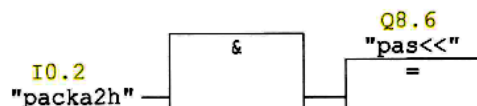
FC103

Block: FC103 as **FBD**

Network: 1



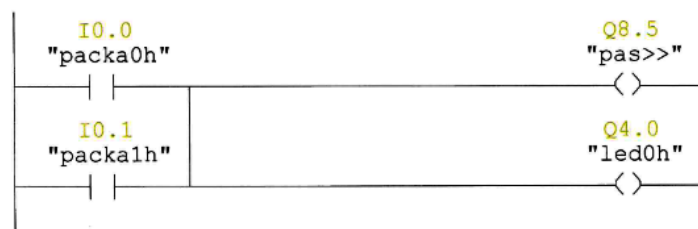
Network: 2



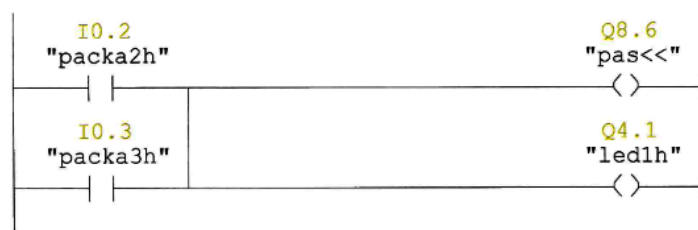
FC104

Block: FC104 as **Ladder diagram**

Network: 1



Network: 2



FC104

Block: FC104 as **STL**

Network: 1

| | | |
|---|-----------|------|
| O | "packa0h" | I0.0 |
| O | "packa1h" | I0.1 |
| = | "pas>>" | Q8.5 |
| = | "led0h" | Q4.0 |

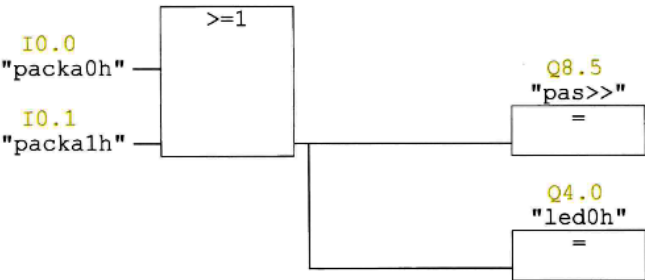
Network: 2

| | | |
|---|-----------|------|
| O | "packa2h" | I0.2 |
| O | "packa3h" | I0.3 |
| = | "pas<<" | Q8.6 |
| = | "led1h" | Q4.1 |

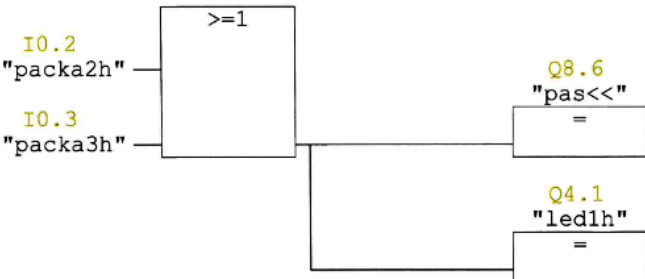
FC104

Block: FC104 as **FBD**

Network: 1



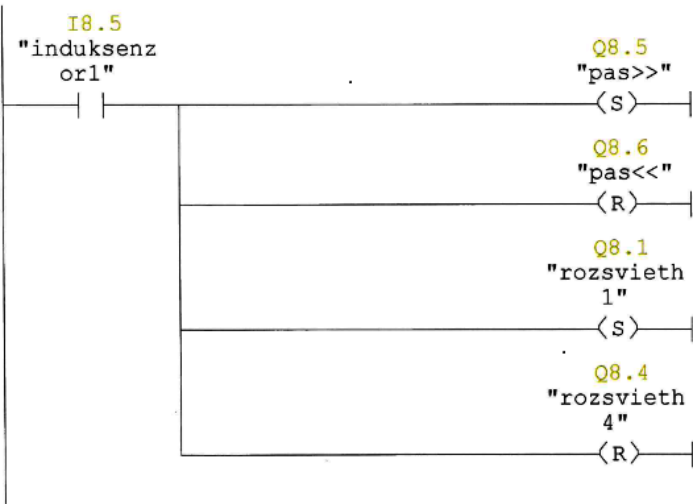
Network: 2



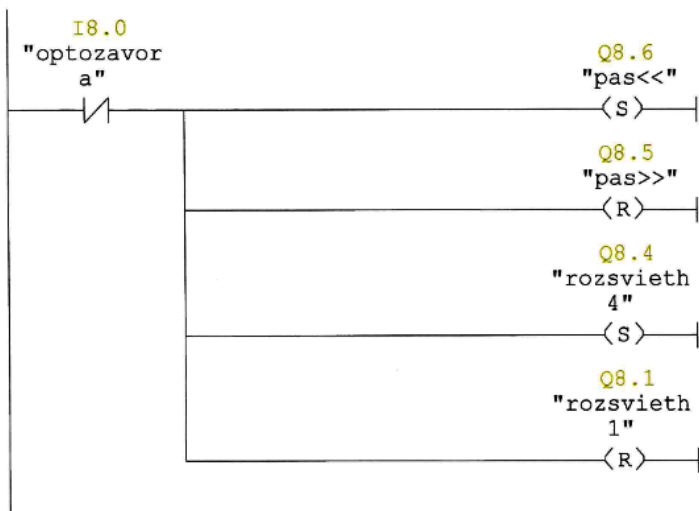
FC105

Block: FC105 as **Ladder diagram**

Network: 1



Network: 2



FC105

Block: FC105 as STL

Network: 1

| | | |
|---|----------------|------|
| A | "induksenzor1" | I8.5 |
| S | "pas>>" | Q8.5 |
| R | "pas<<" | Q8.6 |
| S | "rozsvieth1" | Q8.1 |
| R | "rozsvieth4" | Q8.4 |

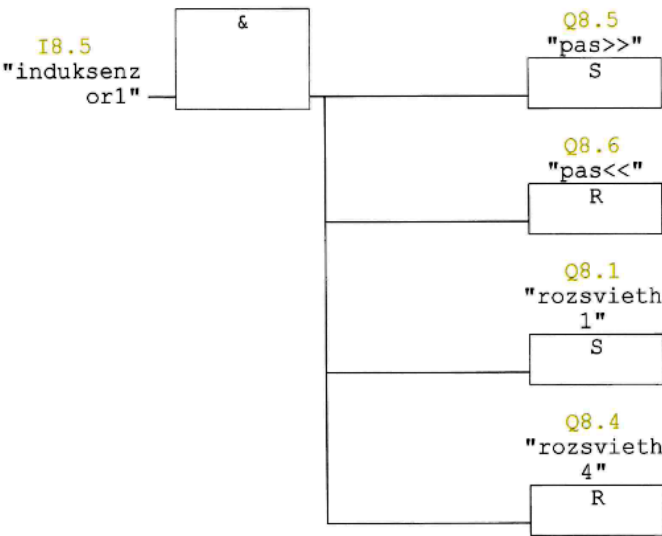
Network: 2

| | | |
|----|--------------|------|
| AN | "optozavora" | I8.0 |
| S | "pas<<" | Q8.6 |
| R | "pas>>" | Q8.5 |
| S | "rozsvieth4" | Q8.4 |
| R | "rozsvieth1" | Q8.1 |

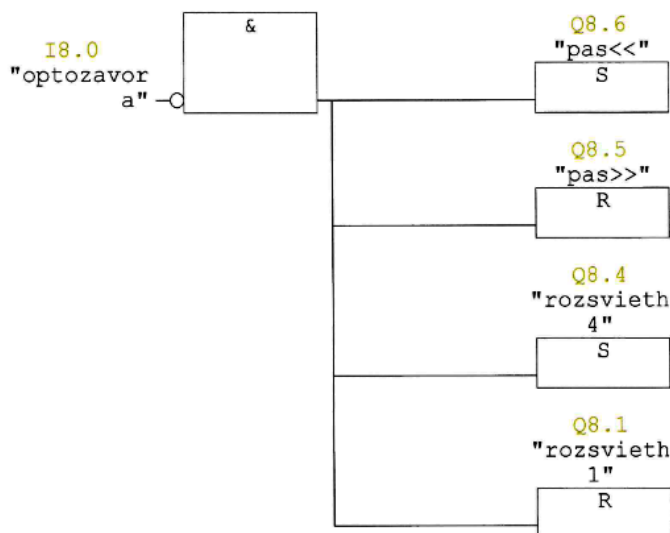
FC105

Block: FC105 as FBD

Network: 1



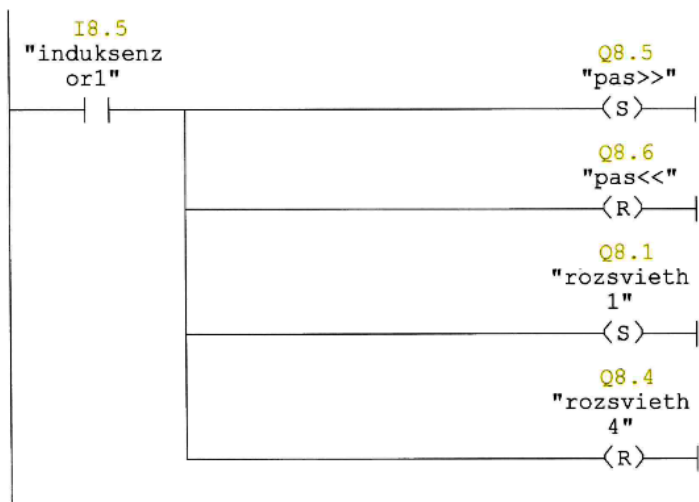
Network: 2



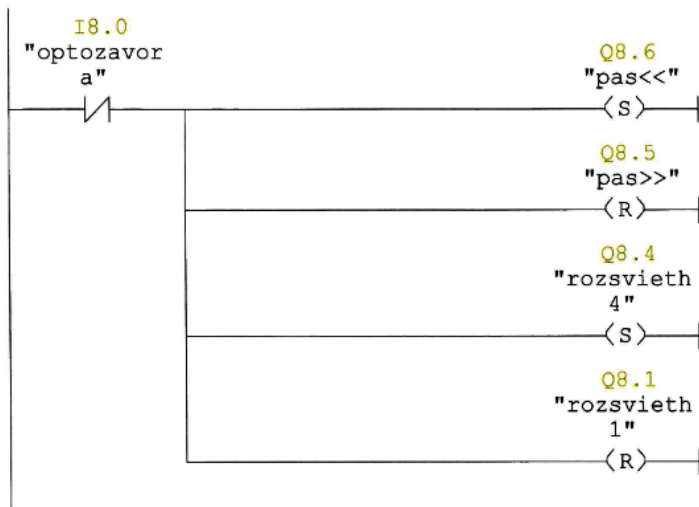
FC106

Block: FC106 as Ladder diagram

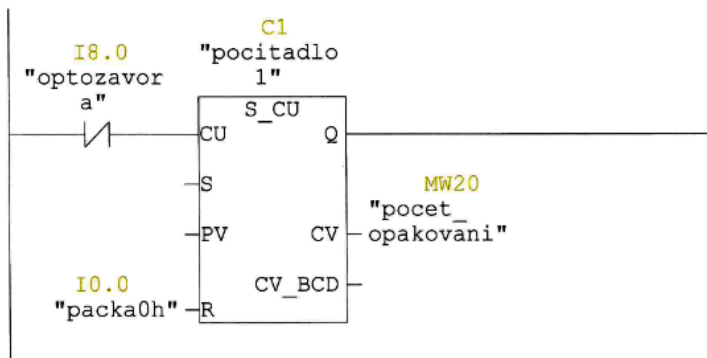
Network: 1



Network: 2



Network: 3



FC106

Block: FC106 as **STL**

Network: 1

| | | |
|---|----------------|------|
| A | "induksenzor1" | I8.5 |
| S | "pas>>" | Q8.5 |
| R | "pas<<" | Q8.6 |
| S | "rozsvieth1" | Q8.1 |
| R | "rozsvieth4" | Q8.4 |

Network: 2

| | | |
|----|--------------|------|
| AN | "optozavora" | I8.0 |
| S | "pas<<" | Q8.6 |
| R | "pas>>" | Q8.5 |
| S | "rozsvieth4" | Q8.4 |
| R | "rozsvieth1" | Q8.1 |

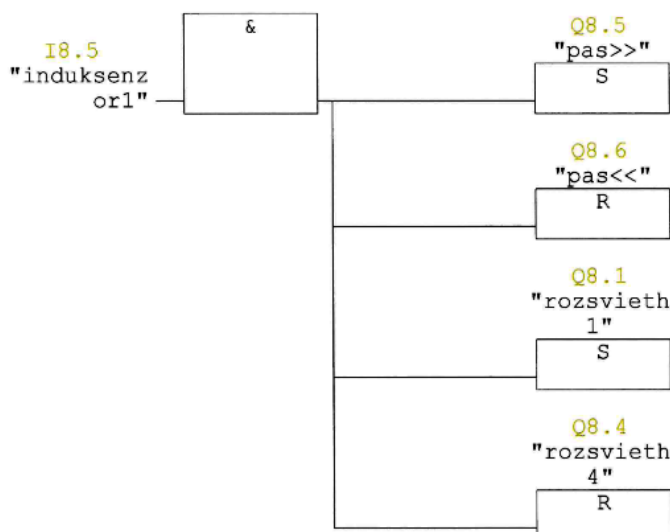
Network: 3

| | | |
|-----|-------------------|------|
| AN | "optozavora" | I8.0 |
| CU | "pocitadlo1" | C1 |
| BLD | 101 | |
| NOP | 0 | |
| NOP | 0 | |
| A | "packa0h" | I0.0 |
| R | "pocitadlo1" | C1 |
| L | "pocitadlo1" | C1 |
| T | "pocet_opakovani" | MW20 |
| NOP | 0 | |
| NOP | 0 | |

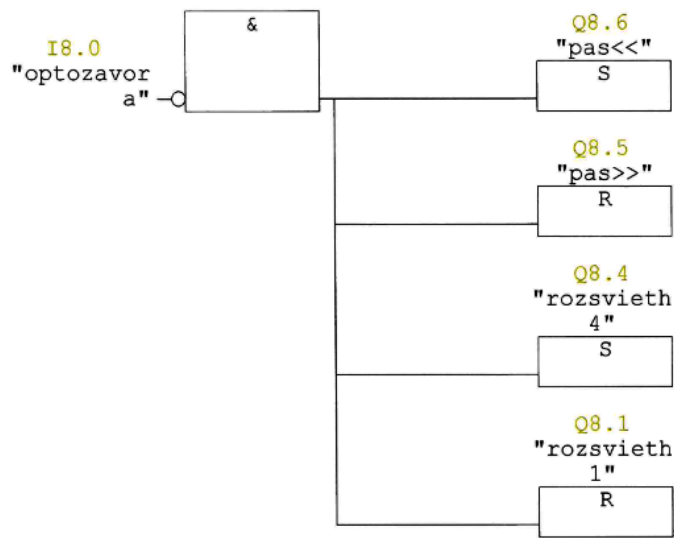
FC106

Block: FC106 as **FBD**

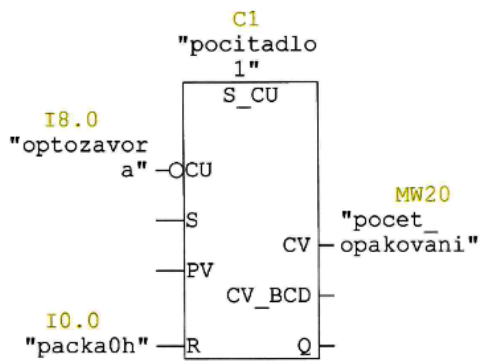
Network: 1



Network: 2



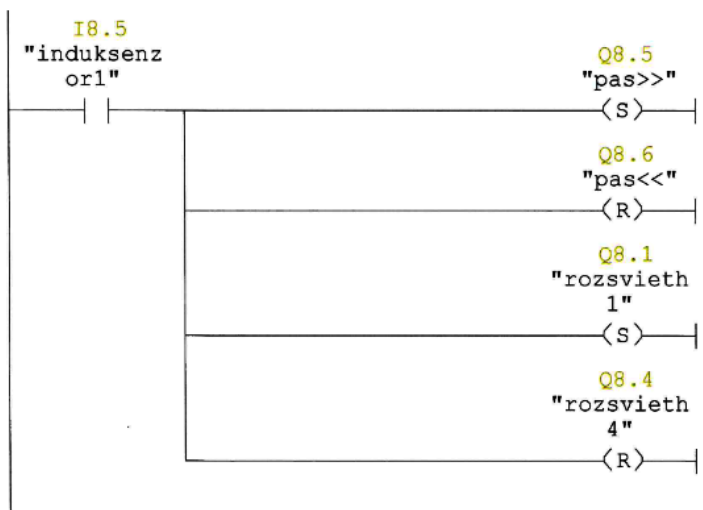
Network: 3



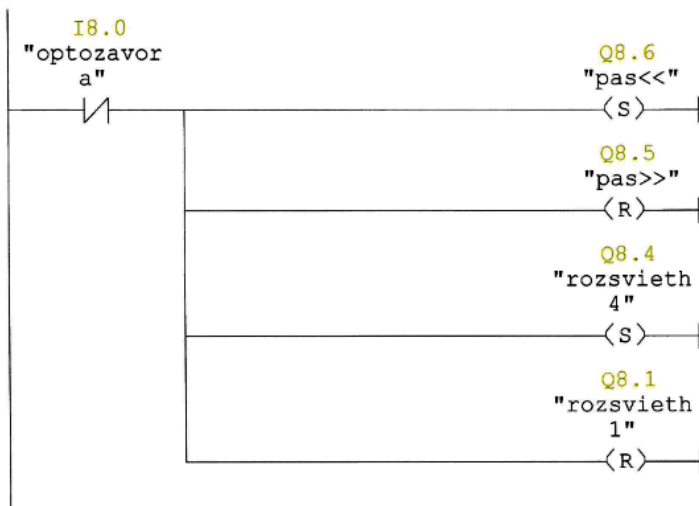
FC107

Block: FC107 as Ladder diagram

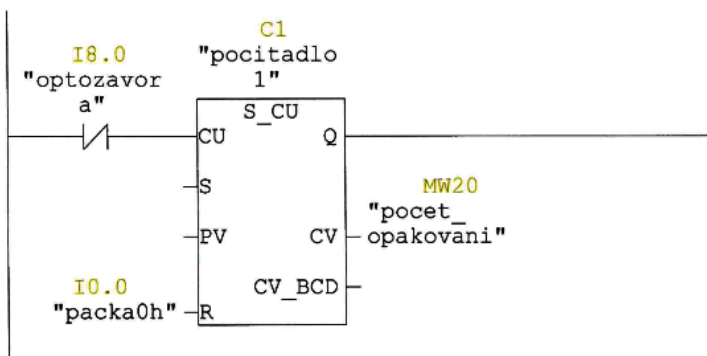
Network: 1



Network: 2



Network: 3



Network: 4

```

L      "pocet_opakovani"  MW20
L      5
==I
R      "pas>>"            Q8.5
R      "pas>>"            Q8.5

```

FC107

Block: FC107 as **STL**

Network: 1

```

A      "induksenzor1"  I8.5
S      "pas>>"         Q8.5
R      "pas<<"         Q8.6
S      "rozsvieth1"    Q8.1
R      "rozsvieth4"    Q8.4

```

Network: 2

```

AN     "optozavora"    I8.0
S      "pas<<"         Q8.6
R      "pas>>"         Q8.5
S      "rozsvieth4"    Q8.4
R      "rozsvieth1"    Q8.1

```

Network: 3

| | | |
|-----|-------------------|------|
| AN | "optozavora" | I8.0 |
| CU | "pocitadlo1" | C1 |
| BLD | 101 | |
| NOP | 0 | |
| NOP | 0 | |
| A | "packa0h" | I0.0 |
| R | "pocitadlo1" | C1 |
| L | "pocitadlo1" | C1 |
| T | "pocet_opakovani" | MW20 |
| NOP | 0 | |
| NOP | 0 | |

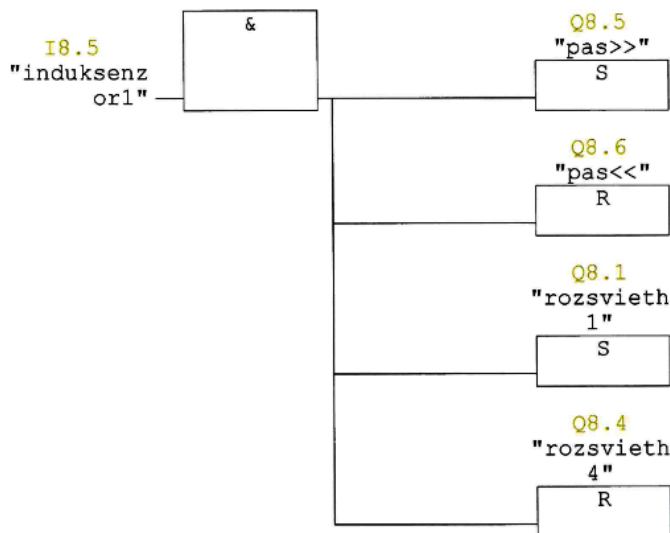
Network: 4

| | | |
|-----|-------------------|------|
| L | "pocet_opakovani" | MW20 |
| L | 5 | |
| ==I | | |
| R | "pas>>" | Q8.5 |
| R | "pas>>" | Q8.5 |

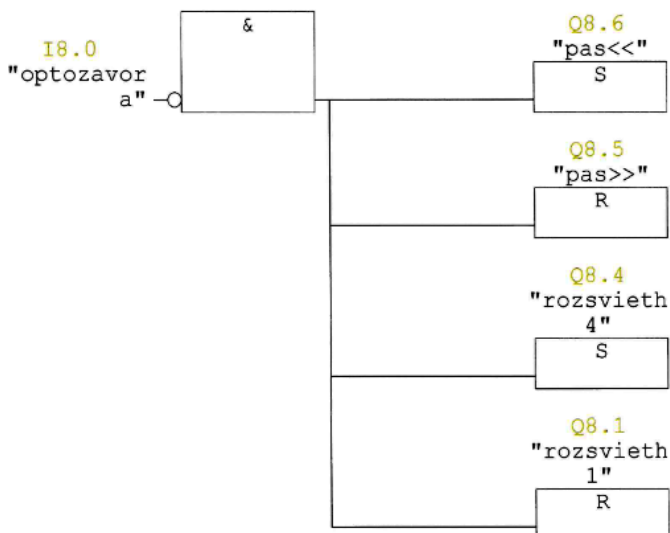
FC107

Block: FC107 as **FBD**

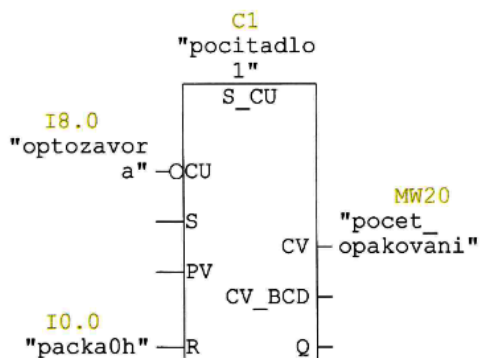
Network: 1



Network: 2



Network: 3



Network: 4

```

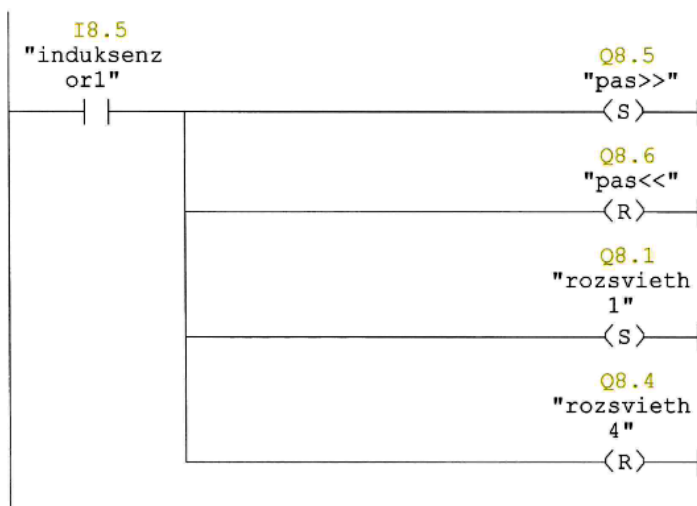
L      "pocet_opakovani"  MW20
L      5
==I
R      "pas>>"            Q8.5
R      "pas>>"            Q8.5

```

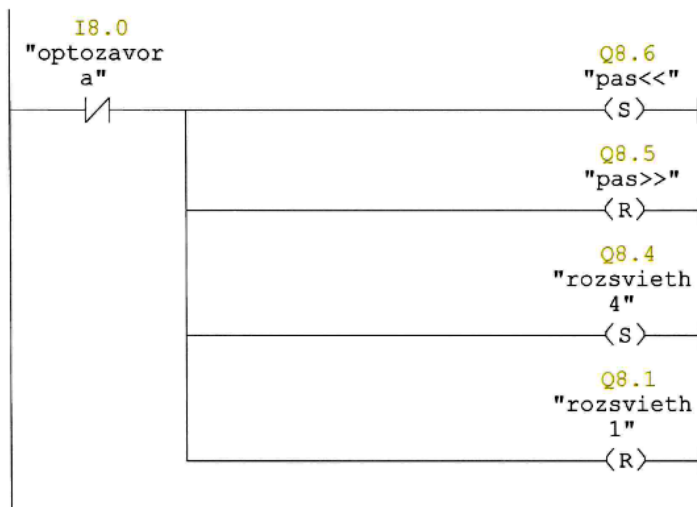
FC108

Block: FC108 as Ladder diagram

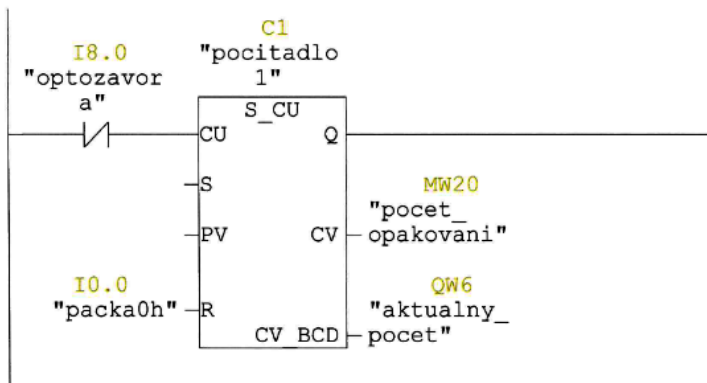
Network: 1



Network: 2



Network: 3



Network: 4

```

L      "pocet_opakovani" MW20
L      5
==I
R      "pas>>"           Q8.5
R      "pas>>"           Q8.5

```

FC108

Block: FC108 as **STL**

Network: 1

```

A      "induksenzor1" I8.5
S      "pas>>"         Q8.5
R      "pas<<"         Q8.6
S      "rozsvieth1"    Q8.1
R      "rozsvieth4"    Q8.4

```

Network: 2

```

AN     "optozavora"    I8.0
S      "pas<<"         Q8.6
R      "pas>>"         Q8.5
S      "rozsvieth4"    Q8.4
R      "rozsvieth1"    Q8.1

```

Network: 3

```

AN     "optozavora"    I8.0
CU     "pocitadlo1"    C1
BLD    101
NOP    0
NOP    0
A      "packa0h"        I0.0
R      "pocitadlo1"     C1
L      "pocitadlo1"     C1
T      "pocet_opakovani" MW20
LC     "pocitadlo1"     C1
T      "aktualny_pocet" QW6
NOP    0

```

Network: 4

```

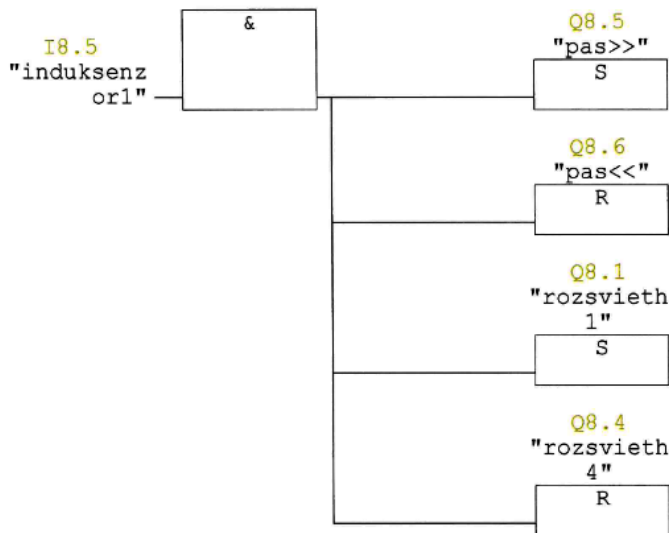
L      "pocet_opakovani" MW20
L      5
==I
R      "pas>>"           Q8.5
R      "pas>>"           Q8.5

```

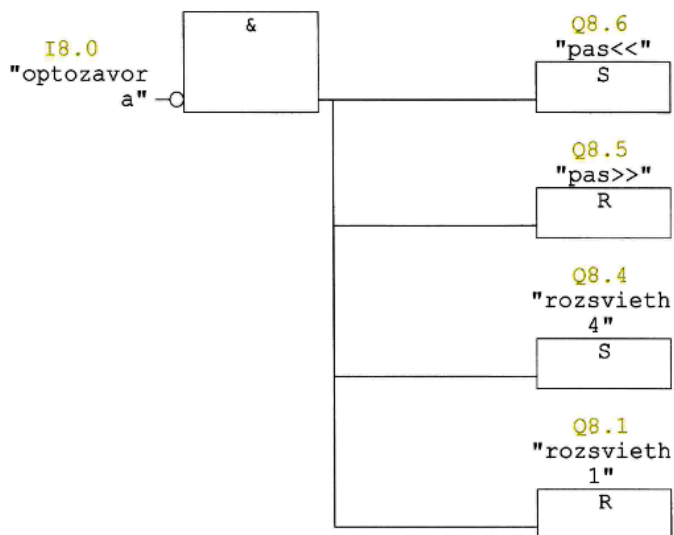
FC108

Block: FC108 as **FBD**

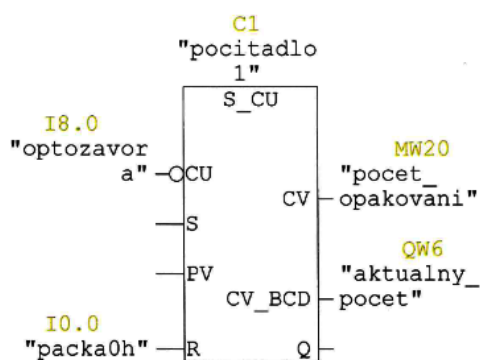
Network: 1



Network: 2



Network: 3



Network: 4

| | | |
|-----|-------------------|------|
| L | "pocet_opakovani" | MW20 |
| L | 5 | |
| ==I | | |
| R | "pas>>" | Q8.5 |
| R | "pas>>" | Q8.5 |