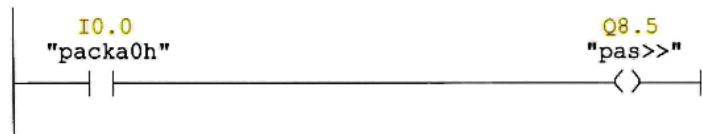


# PLC a SIMATIC 3a - Riešenia a programy :)

## FC101

Block: FC101 as **Ladder diagram**

Network: 1



Network: 2



FC101

Block: FC101 as **STL**

Network: 1

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

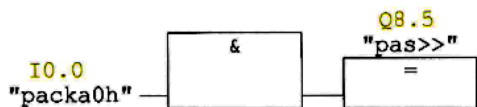
Network: 2

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

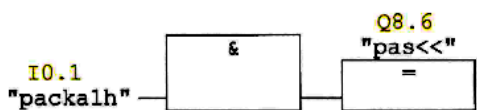
FC101

Block: FC101 as **FBD**

Network: 1



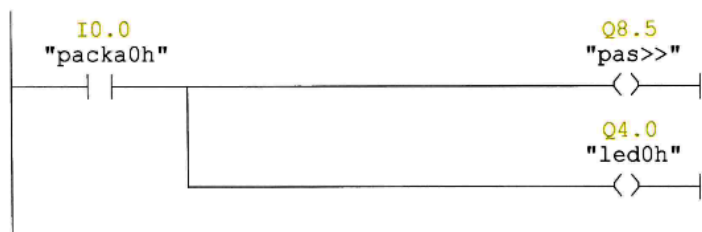
Network: 2



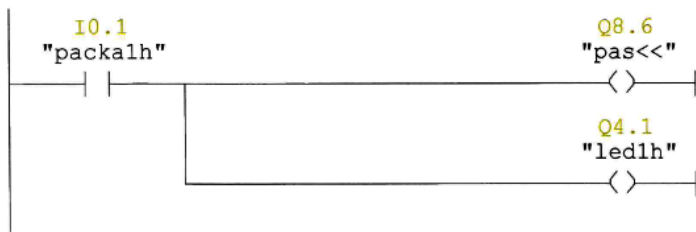
## FC102

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

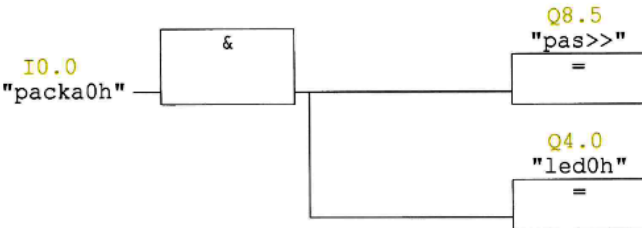
Network: 2

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

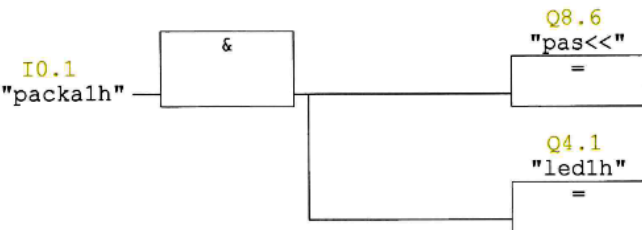
FC102

Block: FC102 as FBD

Network: 1



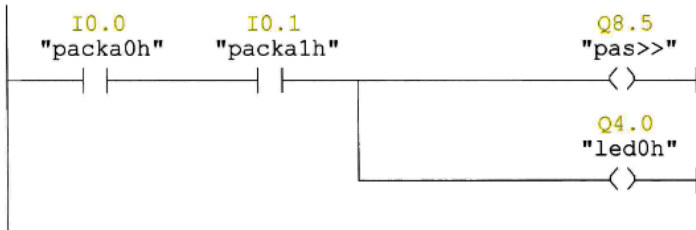
Network: 2



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

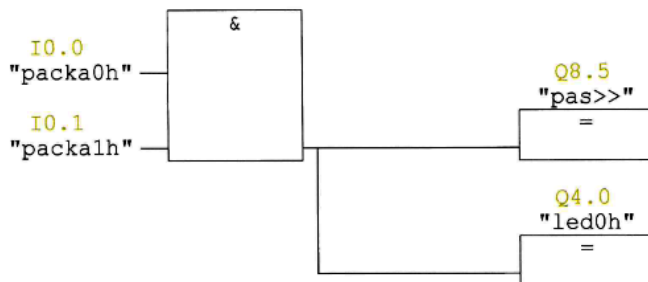
Network: 2

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

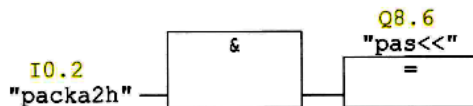
FC103

Block: FC103 as **FBD**

Network: 1



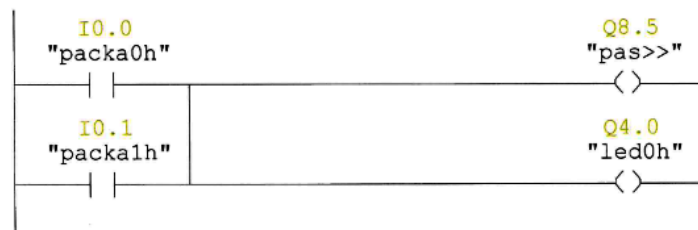
Network: 2



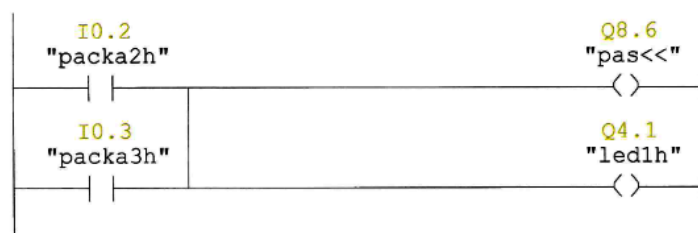
## FC104

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

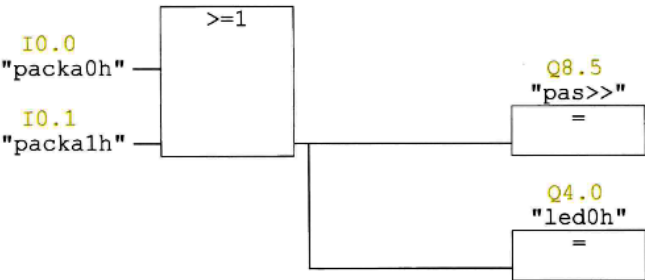
Network: 2

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

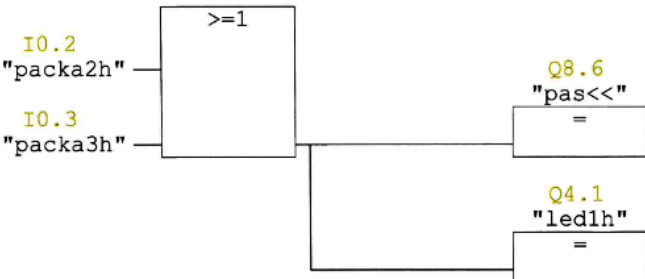
FC104

Block: FC104 as FBD

Network: 1



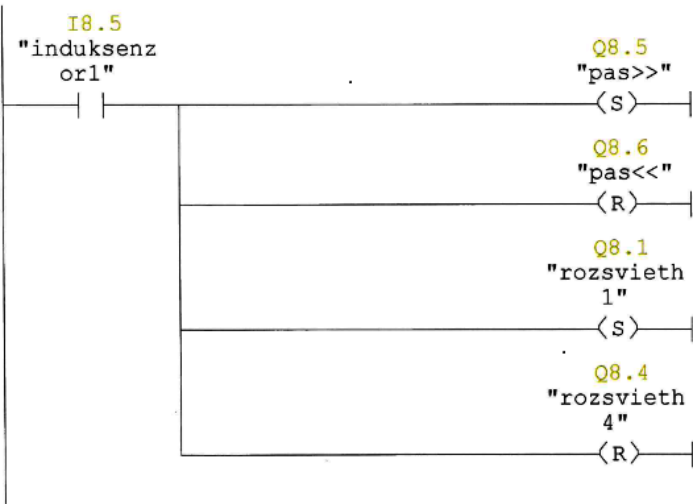
Network: 2



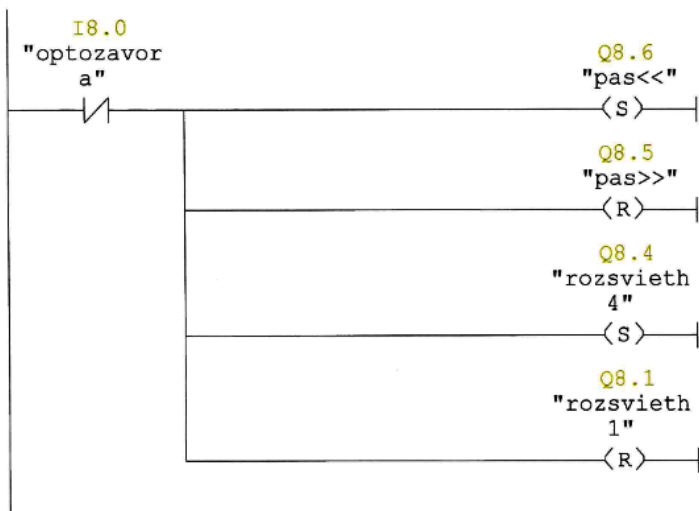
FC105

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

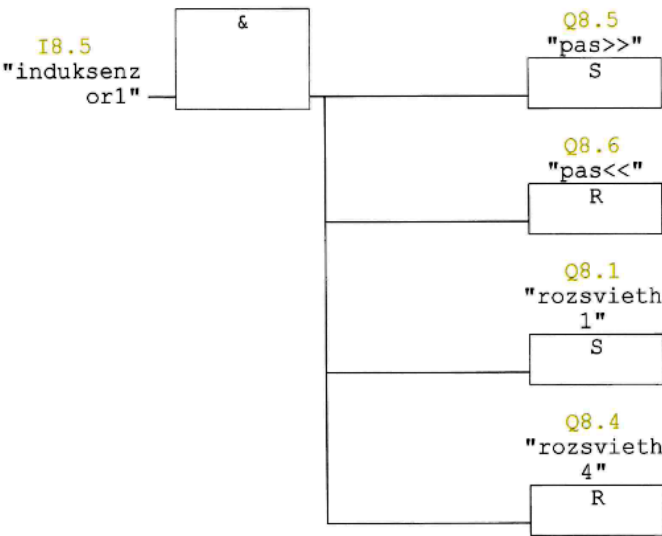
Network: 2

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

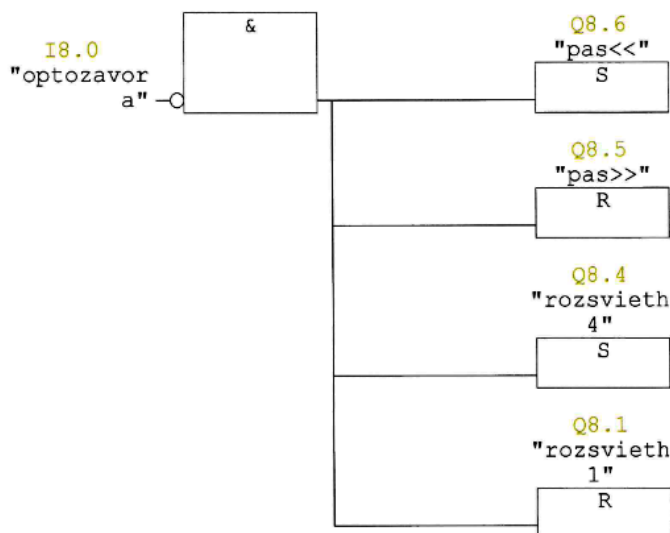
FC105

Block: FC105 as FBD

Network: 1



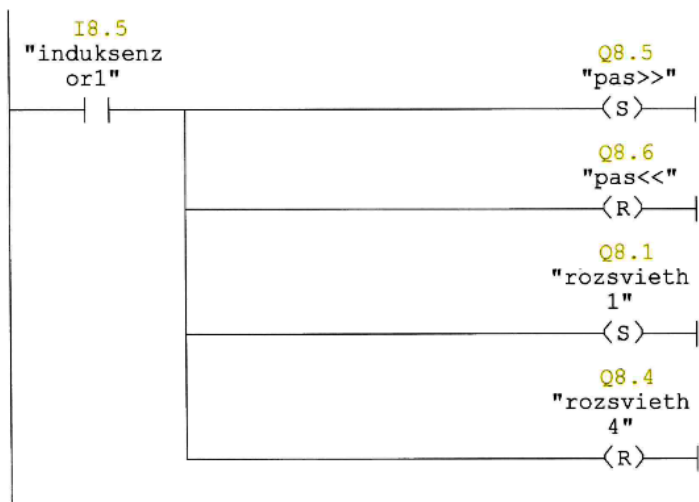
Network: 2



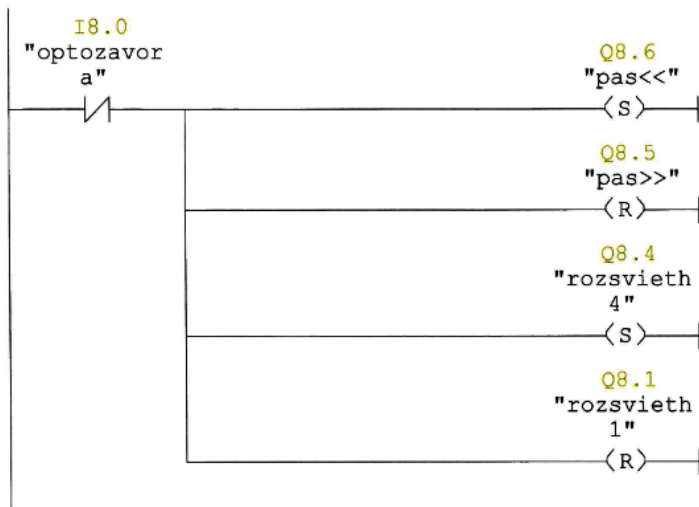
## FC106

Block: FC106 as Ladder diagram

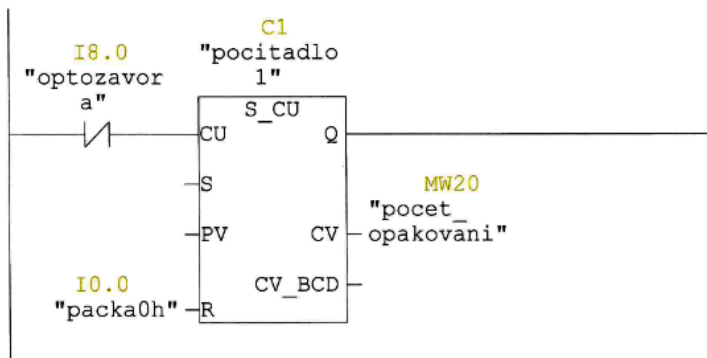
Network: 1



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

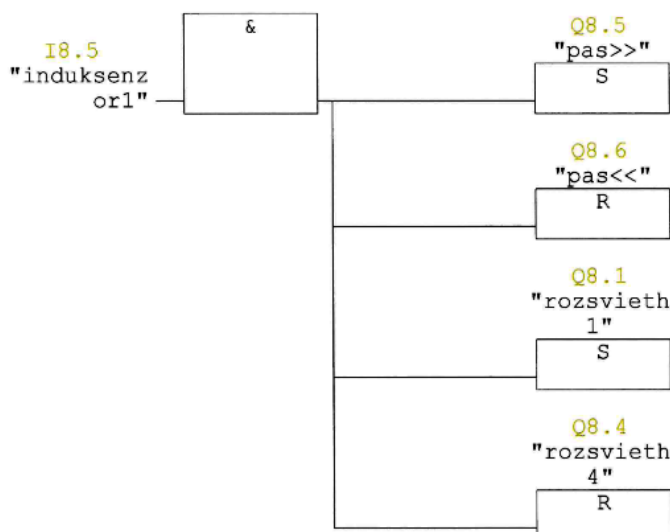
Network: 3

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	

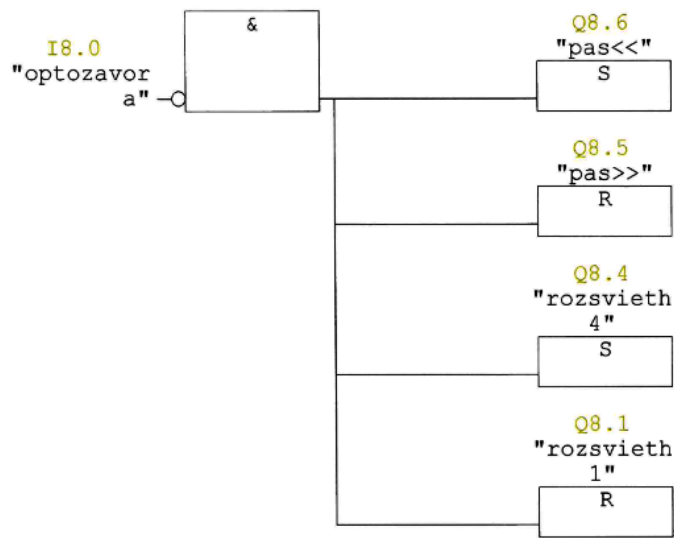
FC106

Block: FC106 as **FBD**

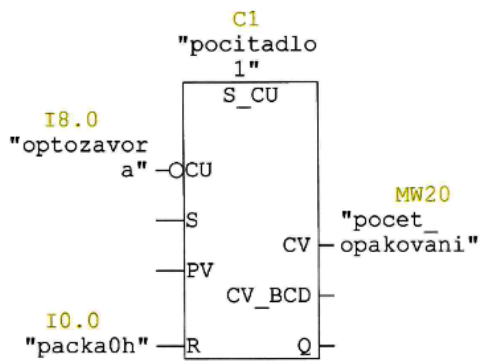
Network: 1



Network: 2



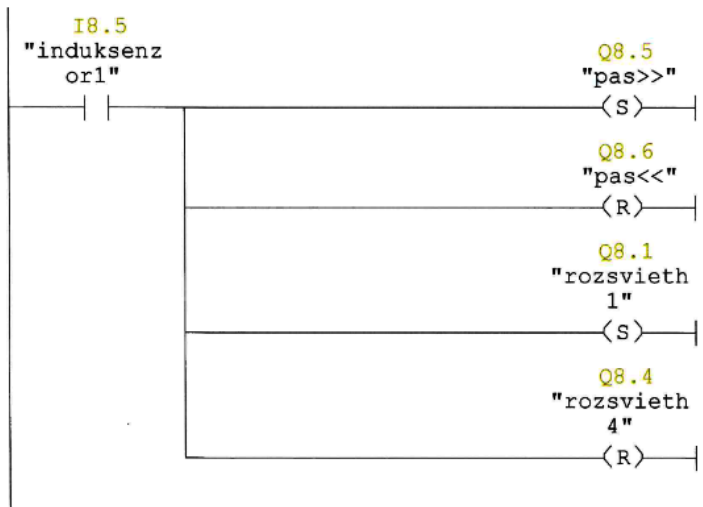
Network: 3



FC107

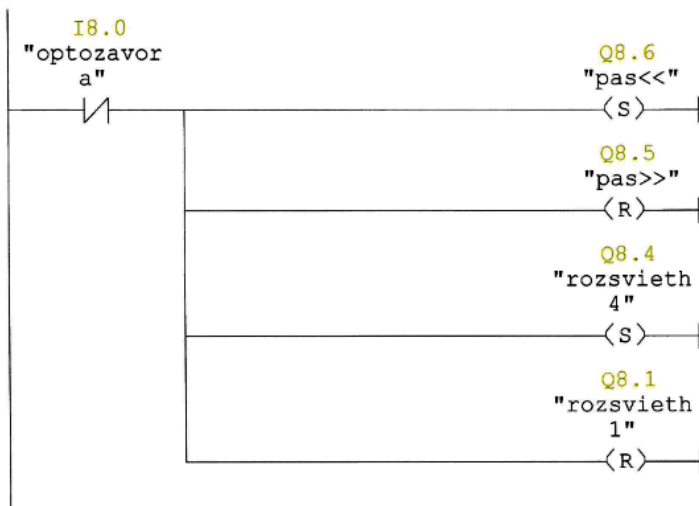
Block: FC107 as Ladder diagram

Network: 1

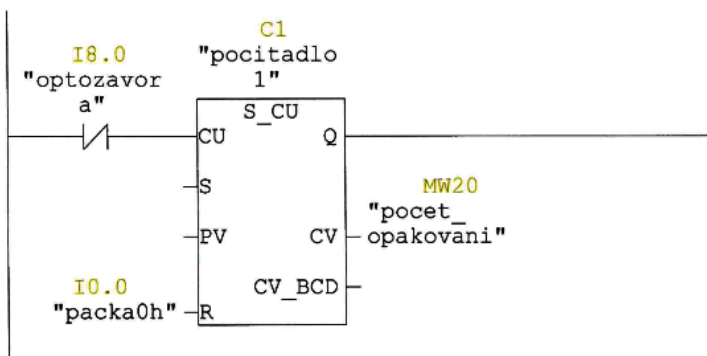


Network: 2





### 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	

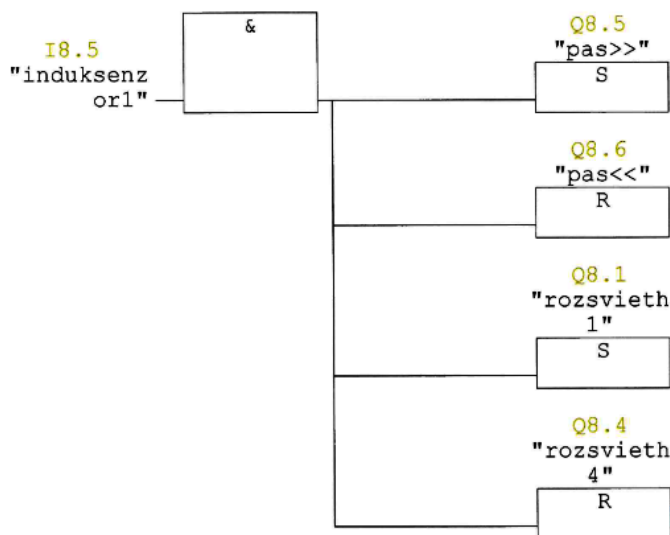
#### Network: 4

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

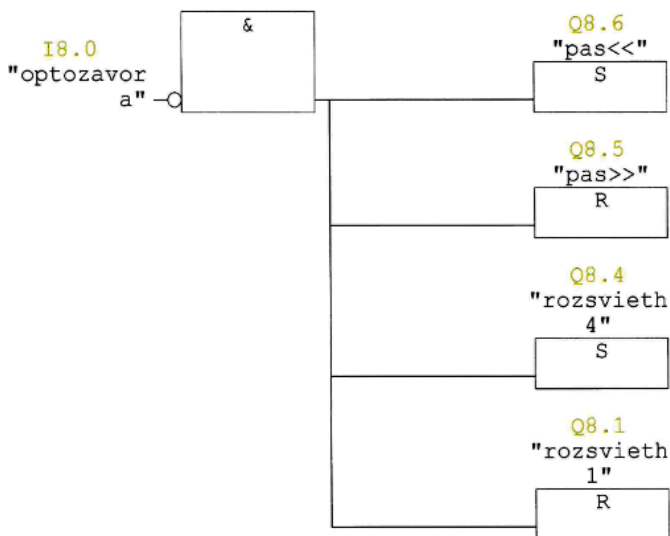
#### FC107

Block: FC107 as **FBD**

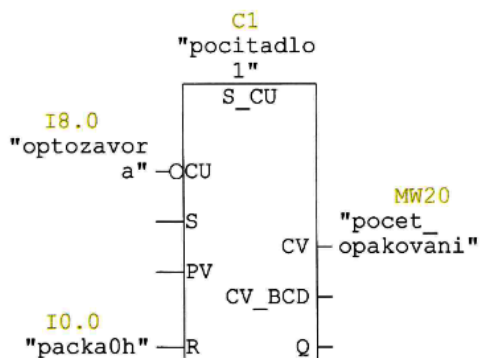
#### Network: 1



#### Network: 2



#### Network: 3



#### Network: 4

```

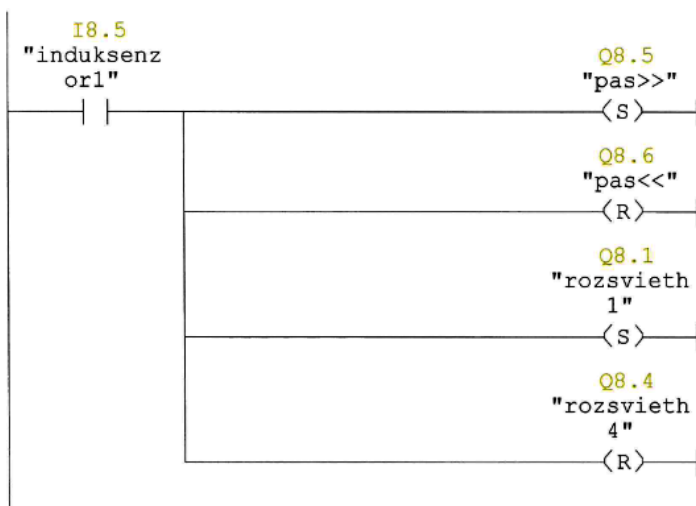
L      "pocet_opakovani"  MW20
L      5
==I
R      "pas>>"            Q8.5
R      "pas>>"            Q8.5

```

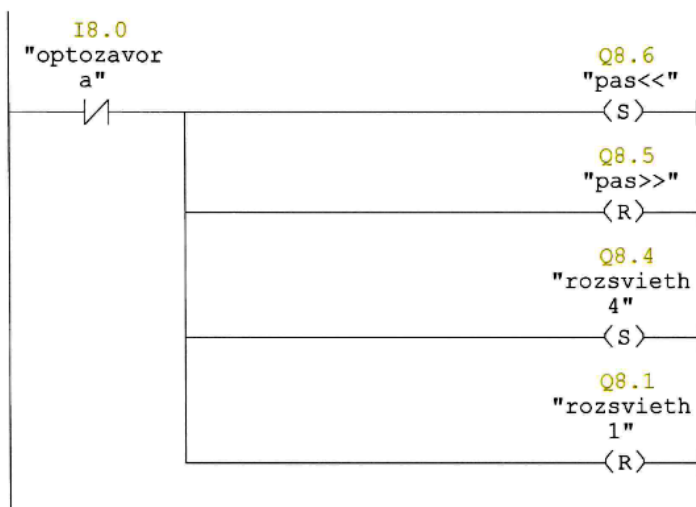
### FC108

Block: FC108 as **Ladder diagram**

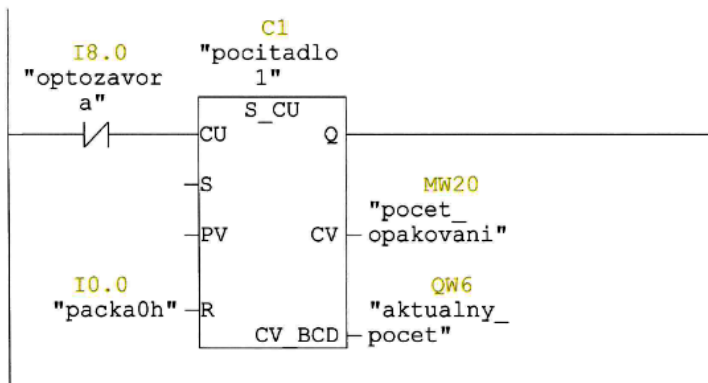
#### Network: 1



#### 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

```

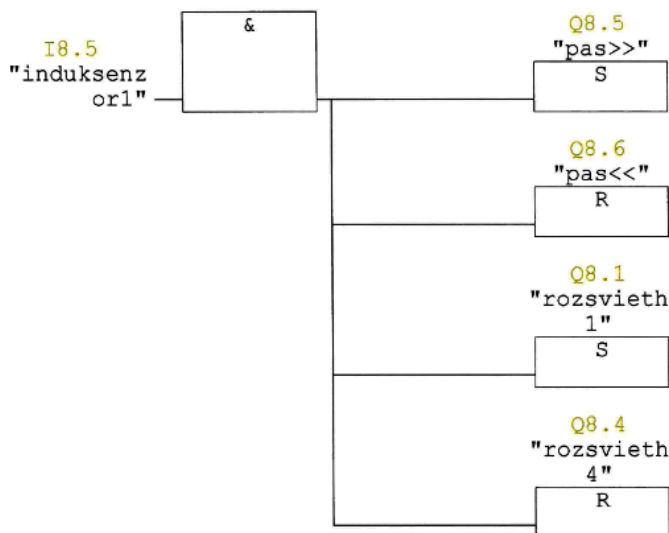
L      "pocet_opakovani" MW20
L      5
==I
R      "pas>>"           Q8.5
R      "pas>>"           Q8.5

```

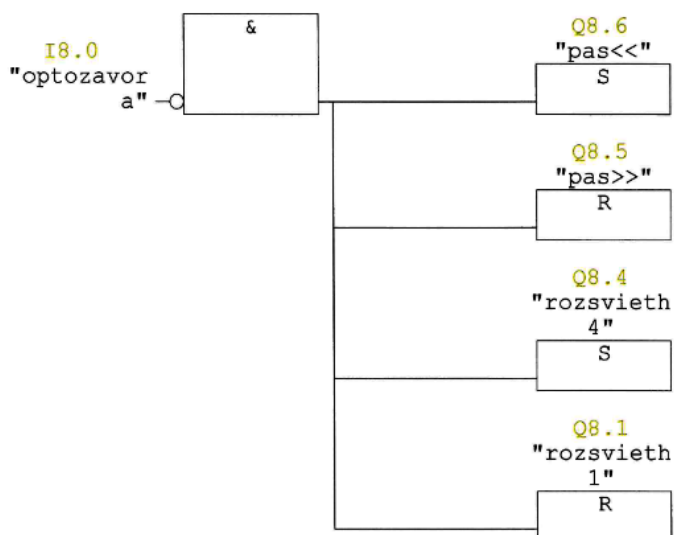
#### FC108

Block: FC108 as **FBD**

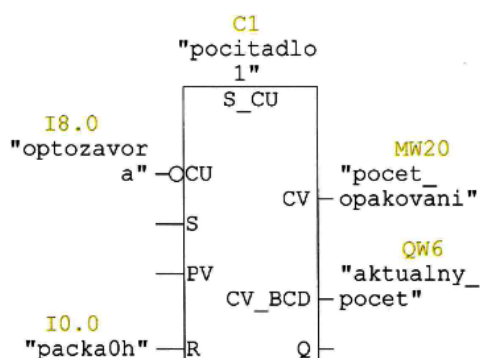
#### Network: 1



## Network: 2



## Network: 3



## Network: 4

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