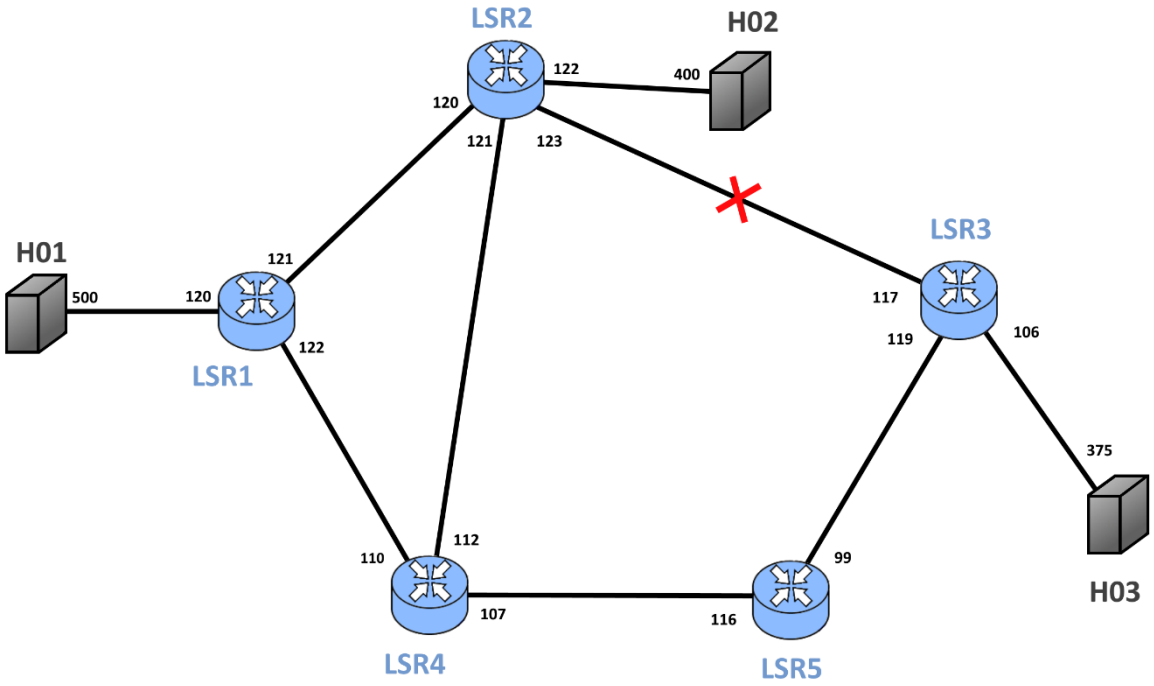
Prezentacja części pierwszej projektu z przedmiotu „Transport i Sterowanie w Sieciach Telekomunikacyjnych”

Grupa projektowa:

Czaplicki Tomasz Kurowski Piotr Kwasek Natalia

Spis treści

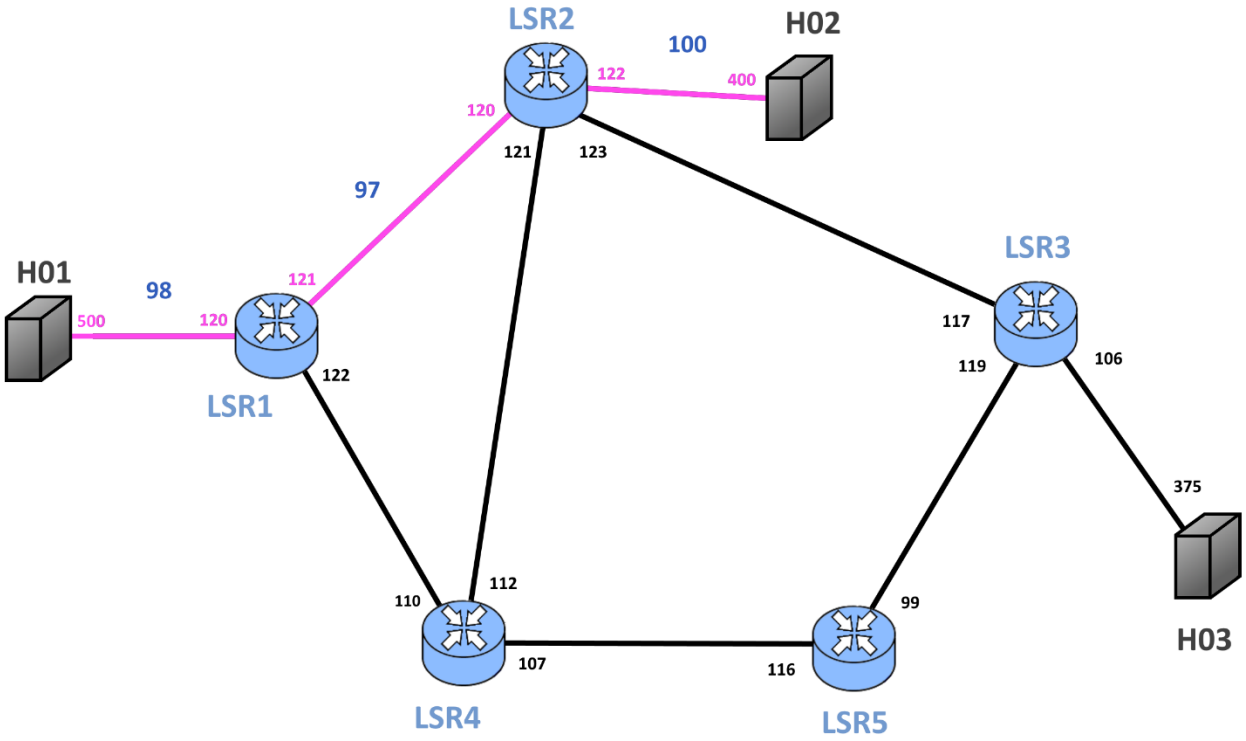
Topologia sieci



Początkowa zawartość tablic FIB

Router	Input Port	Input Labels	Output Port	Output Labels	Index
LSR1	120	97	122	98	1
LSR1	120	98	121	97	1
LSR1	121	109	120	110	1
LSR1	122	110	120	107	1
LSR2	120	97	122	100	1
LSR2	122	102	120	109	1
LSR2	122	99	121	104	1
LSR2	121	108	122	111	1
LSR3	106	100	119	112,116	1
LSR3	106	97	119	98,116	1
LSR3	119	115	106	112	1
LSR4	110	98	107	101	1
LSR4	112	104	107	103,101	1
LSR4	107	122	-	-	1
LSR4	107	98	110	110	2
LSR4	107	112	112	108	2
LSR5	116	101	99	115	1
LSR5	99	116	116	122	1

Transmisja pakietów od hosta H01 do H02

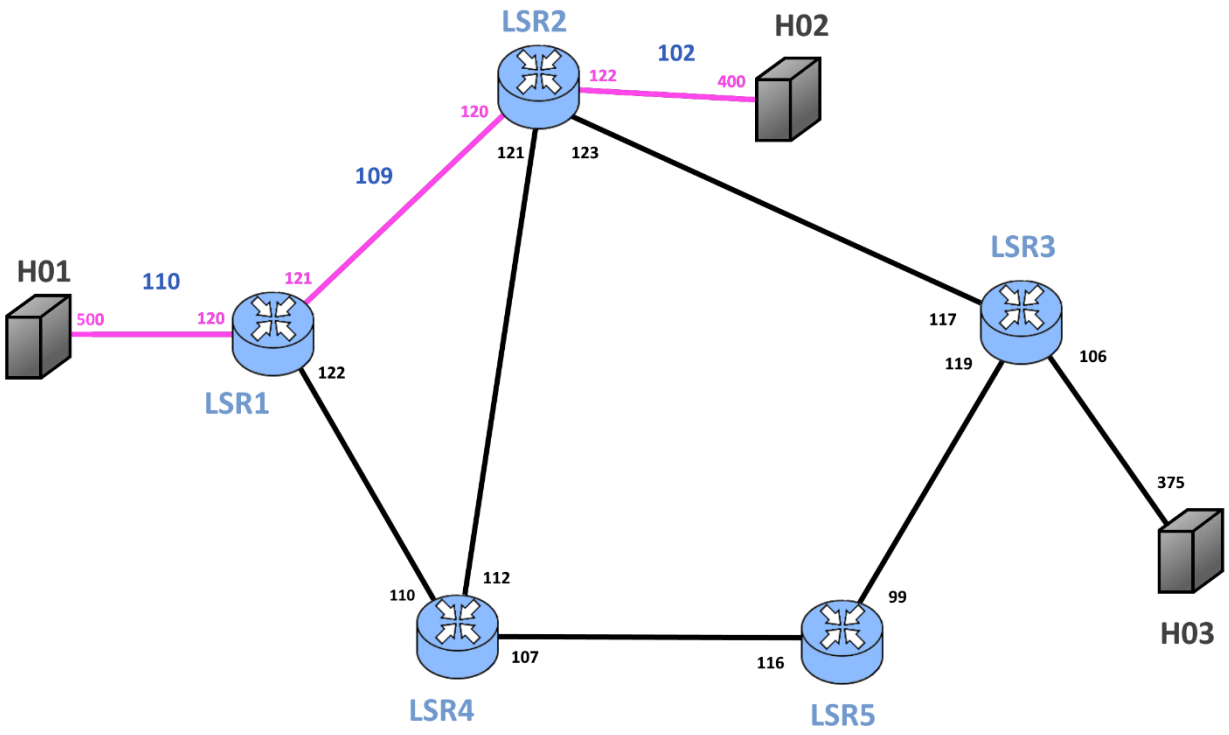



```
msg <wiadomość> 98
```

Wykorzystywane zapisy z tablic FIB

H01 -> H02					
Router	**Input Port**	**Input Labels**	**Output Port**	**Output Labels**	**Index**
LSR1	120	98	121	97	1
LSR2	120	97	122	100	1

Transmisja pakietów od hosta H02 do H01

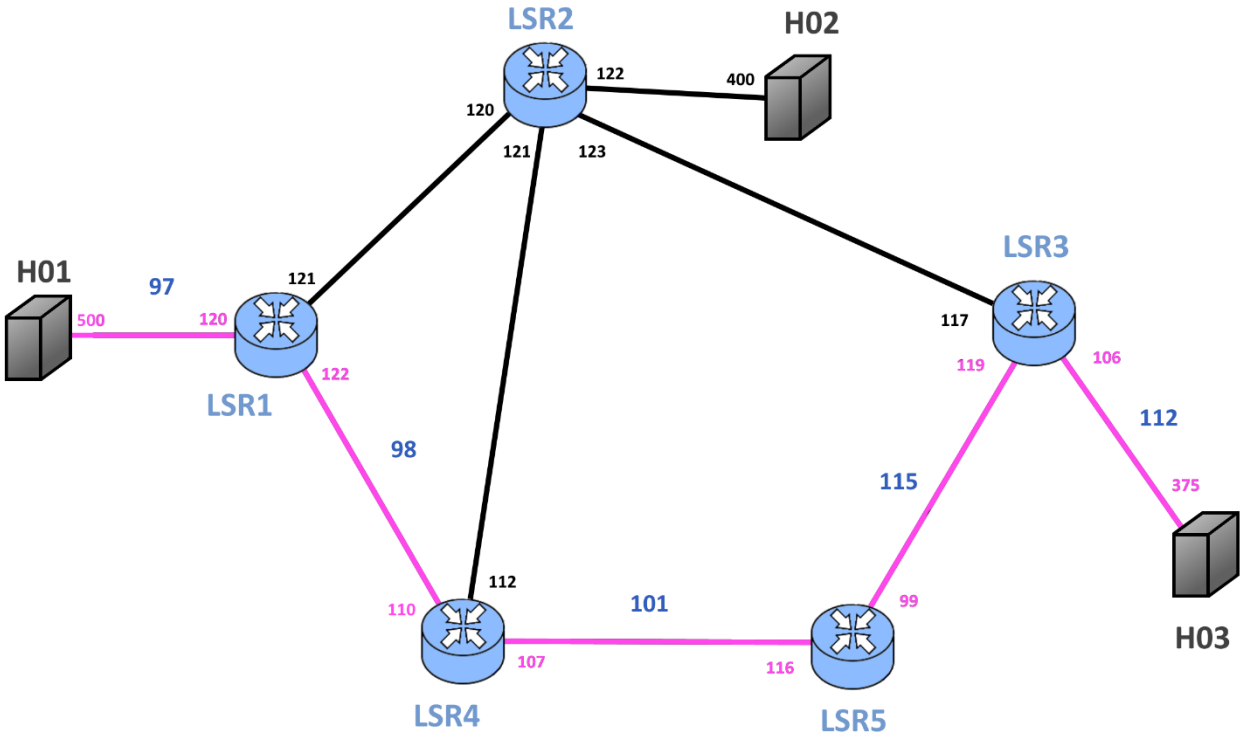



```
msg <wiadomość> 102
```

Wykorzystywane zapisy z tablic FIB

H02 -> H01					
Router	**Input Port**	**Input Labels**	**Output Port**	**Output Labels**	**Index**
LSR2	122	102	120	109	1
LSR1	121	109	120	110	1

Transmisja pakietów od hosta H01 do H03

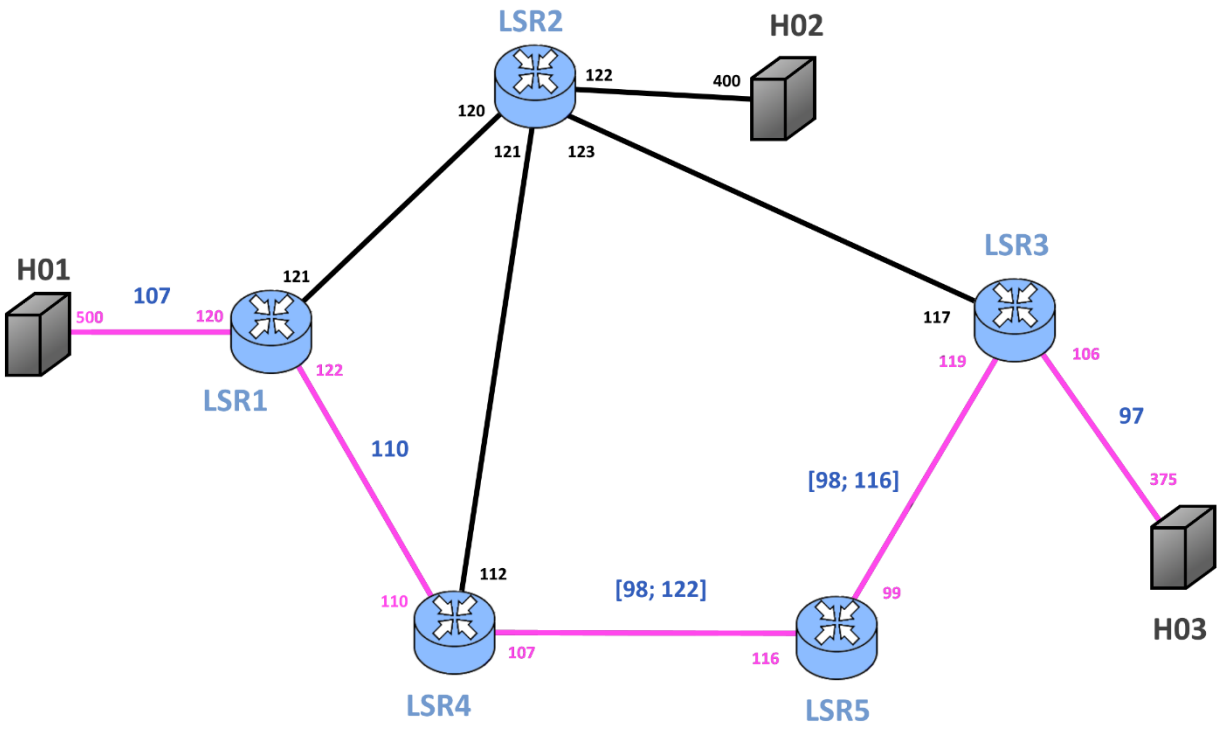


`msg <wiadomość> 97`

Wykorzystywane zapisy z tablic FIB

H01 -> H03					
Router	**Input Port**	**Input Labels**	**Output Port**	**Output Labels**	**Index**
LSR1	120	97	122	98	1
LSR4	110	98	107	101	1
LSR5	116	101	99	115	1
LSR3	119	115	106	112	1

Transmisja pakietów od hosta H03 do H01

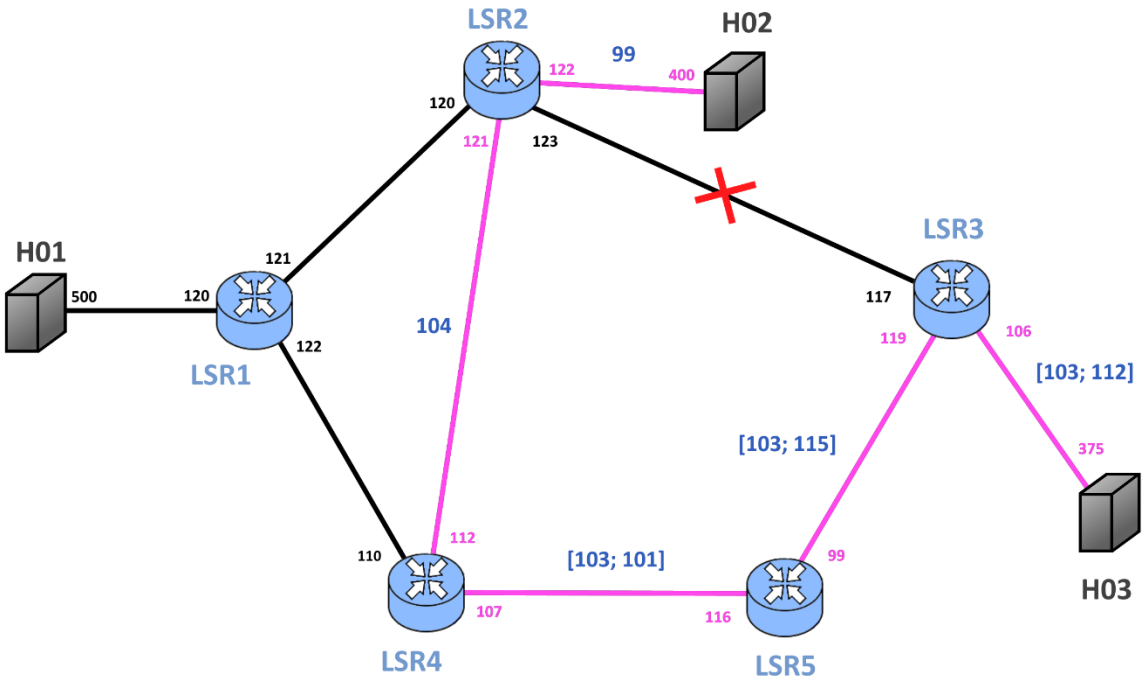



```
msg <wiadomość> 97
```

Wykorzystywane zapisy z tablic FIB

H03 -> H01					
Router	**Input Port**	**Input Labels**	**Output Port**	**Output Labels**	**Index**
LSR3	106	97	119	98,116	1
LSR5	99	116	116	122	1
LSR4	107	122	-	-	1
LSR4	107	98	110	110	2
LSR1	122	110	120	107	1

Transmisja pakietów od hosta H02 do H03

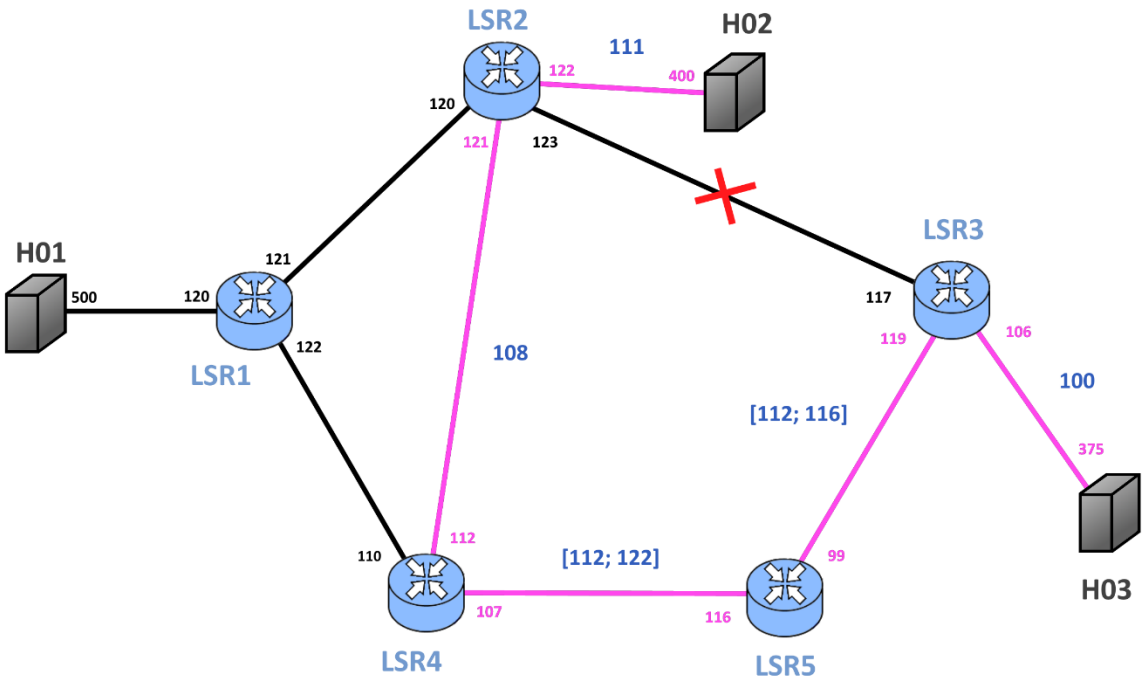


`msg <wiadomość> 99`

Wykorzystywane zapisy z tablic FIB

H02 -> H03					
Router	**Input Port**	**Input Labels**	**Output Port**	**Output Labels**	**Index**
LSR2	122	99	121	104	1
LSR4	112	104	107	103,101	1
LSR5	116	101	99	115	1
LSR3	119	115	106	112	1

Transmisja pakietów od hosta H03 do H02

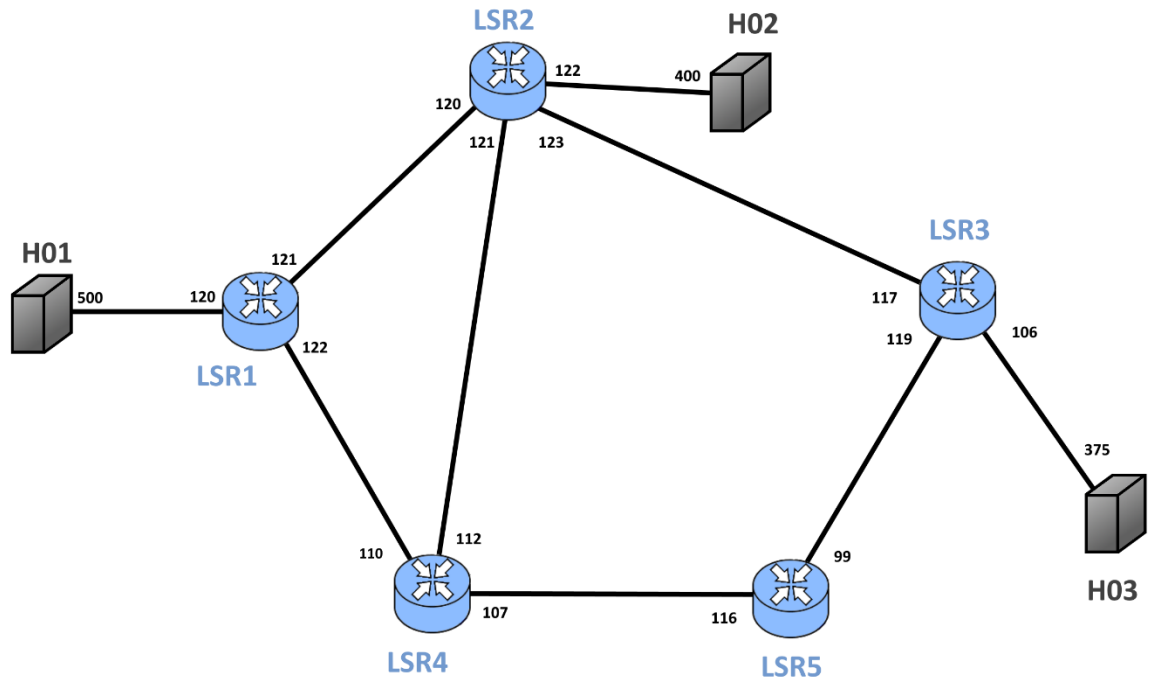


`msg <wiadomość> 100`

Wykorzystywane zapisy z tablic FIB

H03 -> H02					
Router	**Input Port**	**Input Labels**	**Output Port**	**Output Labels**	**Index**
LSR3	106	100	119	112,116	1
LSR5	99	116	116	122	1
LSR4	107	122	-	-	1
LSR4	107	112	112	108	2
LSR2	121	108	122	111	1

Uruchomienie łącza między LSR2 a LSR3



Uruchamiamy łącze w chmurze kablowej:

```
CHANGESTATE LSR2.123
```

W centrum zarządzania:

H02 -> H03

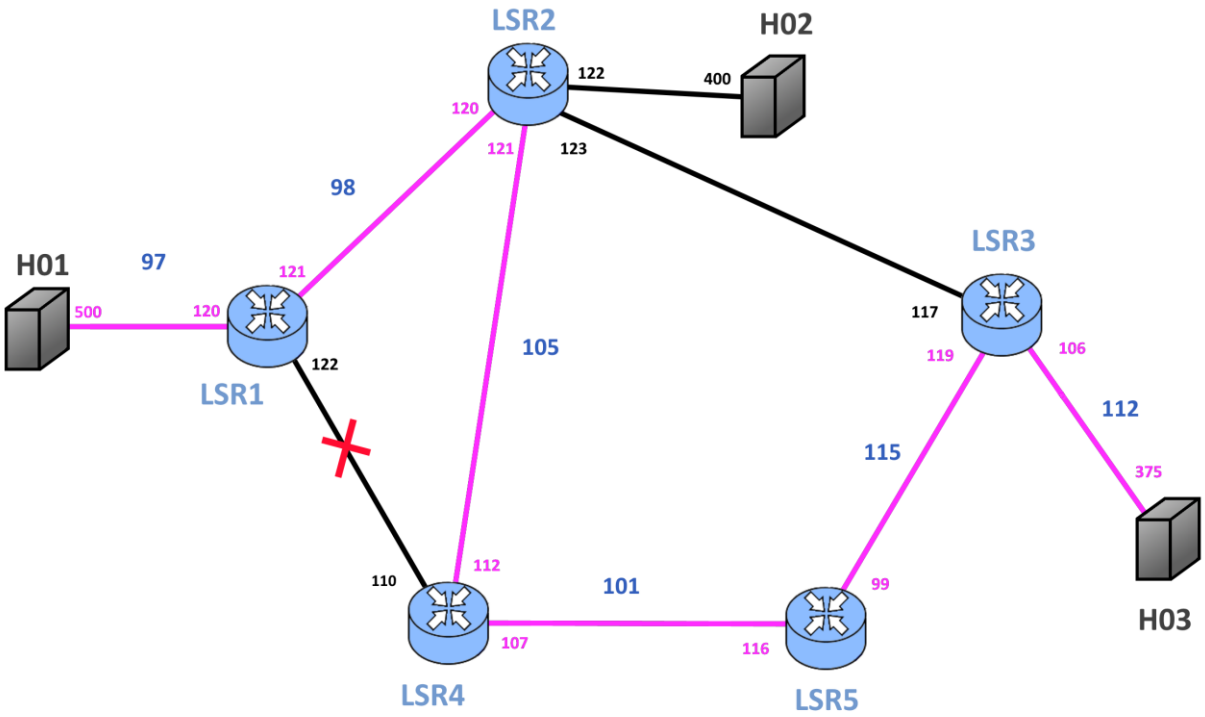
```
REMOVERECORD 122 99 121 104 1 TO LSR2
ADDRECORD 122 99 123 100 1 TO LSR2
ADDRECORD 117 100 106 103,112 1 TO LSR3
```

H03 -> H02

```
REMOVERECORD 106 100 119 112,116 1 TO LSR3
ADDRECORD 106 100 117 105 1 TO LSR3
ADDRECORD 123 105 122 111 1 TO LSR2
```

Awaria łącza LSR1 - LSR4

H01 -> H03



Wyłączamy łącze w chmurze kablowej:

```
CHANGESTATE LSR4.110
```

W centrum zarządzania:

H01 -> H03

```
REMOVERECORD 120 97 122 98 1 TO LSR1
ADDRECORD 120 97 121 99 1 TO LSR1
ADDRECORD 120 99 121 105 1 TO LSR2
REMOVERECORD 112 98 107 101 1 TO LSR4
ADDRECORD 112 105 107 101 1 TO LSR4
```

H03 -> H01

```
REMOVERECORD 107 98 110 110 2 TO LSR4
ADDRECORD 107 98 112 110 2 TO LSR4
ADDRECORD 121 110 120 111 1 TO LSR2
REMOVERECORD 122 110 120 97 1 TO LSR1
ADDRECORD 121 111 120 97 1 TO LSR1
```