



Rysunek 1: Logiczny schemat konfiguracji sieci

# 1 Tablica tras

Router R12			
Sieć	Maska	Brama	Interfejs
222.67.1.0	255.255.255.0	209.85.127.98	eth0
207.13.56.0	255.255.255.0	209.85.127.98	eth0
209.85.127.0	255.255.255.0	0.0.0.0	eth0
72.0.0.0	255.0.0.0	0.0.0.0	eth2
64.0.0.0	255.0.0.0	0.0.0.0	eth1
129.6.0.0	255.255.0.0	64.157.174.44	eth1
134.7.0.0	255.255.0.0	72.12.47.61	eth2
25.0.0.0	255.0.0.0	64.157.174.44	eth1
193.19.88.0	255.255.255.0	72.12.47.61	eth2

## 2 Wynik poleceń traceroute

Trasa z eagle.zad3sik.edu.pl do komputera pigeon.zad3sik.edu.pl

```
traceroute to pigeon.zad3sik.edu.pl (222.67.1.27), 30 hops max, 60 byte packets
```

```
1  * * *
2  * * *
3  R13.zad3sik.edu.pl (129.6.72.1)
4  R12.zad3sik.edu.pl (64.157.174.43)
5  R11.zad3sik.edu.pl (209.85.127.98)
6  * * *
7  * * *
8  * * *
9  * * *
10 * * *
11 * * *
12 * * *
13 pigeon.zad3sik.edu.pl (222.67.1.27)
```

Trasa z kestrel.zad3sik.edu.pl do komputera pigeon.zad3sik.edu.pl

```
traceroute to pigeon.zad3sik.edu.pl (222.67.1.27), 30 hops max, 60 byte packets
```

```
1  * * *
2  * * *
3  * * *
4  * * *
5  * * *
6  R14.zad3sik.edu.pl (134.7.15.1)
7  R12.zad3sik.edu.pl (72.12.47.60)
8  R11.zad3sik.edu.pl (209.85.127.98)
9  * * *
10 * * *
11 * * *
12 * * *
13 * * *
14 * * *
15 * * *
16 pigeon.zad3sik.edu.pl (222.67.1.27)
```

### 3 Plik strefy

```
$TTL      1h
@      IN  SOA      ns1.zad3sik.edu.pl. root.ns1.zad3sik.edu.pl. (
        1      ; Serial
        604800  ; Refresh
        86400   ; Retry
        2419200 ; Expire
        604800) ; Negative Cache TTL

        IN  NS  ns1
        IN  NS  ns2

ns1      IN  A      142.27.28.98
ns2      IN  A      142.27.28.99
eagle    IN  A      25.3.143.12
kastrel  IN  A      193.19.88.91
pigeon   IN  A      222.67.1.27
R11      IN  A      207.13.56.91
R11      IN  A      209.85.127.98
R12      IN  A      209.85.127.99
R12      IN  A      64.157.174.43
R12      IN  A      72.12.47.60
R13      IN  A      64.157.174.44
R13      IN  A      129.6.72.1
R14      IN  A      72.12.47.61
R14      IN  A      134.7.15.1
```