

DSN LAB 1 = 144. 32. 81. 42

KAREL PORT 3555

UDP PORT 3556

Sitove masky (prefix vs. decimalni tvar) + prefixy vnitřních sítí :

addrs	bits	pref	mask
1	0	/32	255.255.255.255
2	1	/31	255.255.255.254
4	2	/30	255.255.255.252
8	3	/29	255.255.255.248
16	4	/28	255.255.255.240
32	5	/27	255.255.255.224
64	6	/26	255.255.255.192
128	7	/25	255.255.255.128
256	8	/24	255.255.255
512	9	/23	255.255.254
1 K	10	/22	255.255.252
2 K	11	/21	255.255.248
4 K	12	/20	255.255.240
8 K	13	/19	255.255.224
16 K	14	/18	255.255.192
32 K	15	/17	255.255.128
64 K	16	/16	255.255
128 K	17	/15	255.254
256 K	18	/14	255.252
512 K	19	/13	255.248
1 M	20	/12	255.240
2 M	21	/11	255.224
4 M	22	/10	255.192
8 M	23	/9	255.128
16 M	24	/8	255
32 M	25	/7	254
64 M	26	/6	252
128 M	27	/5	248
256 M	28	/4	240
512 M	29	/3	224
1024 M	30	/2	192

2^2	4	5 - 6 (7)
2^3	8	9 - 14 (15)
2^4	16	17 - 30 (31)
2^5	32	33 - 62 (63)
2^6	64	65 - 94 (95)
	96	97 - 126 (127)
2^7	128	129 - 158 (159)
	160	161 - 190 (191)
	192	193 - 222 (223)
	224	225 - 254 (255)
2^8	256	

MIN. adresa
VŠDY LICHÁ

MAX adresa
VŠDY SUDA!

BROADCAST

x_d	1 T	4 G	1 G	1 M	524288	262144	131072	65536
2^i	2^{40}	2^{32}	2^{30}	2^{20}	2^{19}	2^{18}	2^{17}	2^{16}
i	40	32	30	20	19	18	17	16

x_d	32768	16384	8192	4096	2048	1024	512	256
2^i	2^{15}	2^{14}	2^{13}	2^{12}	2^{11}	2^{10}	2^9	2^8
i	15	14	13	12	11	10	9	8

x_d	128	64	32	16	8	4	2	1
2^i	2^7	2^6	2^5	2^4	2^3	2^2	2^1	2^0
i	7	6	5	4	3	2	1	0

x_d	0,5	0,25	0,125	0,0625	0,03125	0,015625	$7,8125 \cdot 10^{-3}$	$3,90625 \cdot 10^{-3}$
2^i	2^{-1}	2^{-2}	2^{-3}	2^{-4}	2^{-5}	2^{-6}	2^{-7}	2^{-8}
i	-1	-2	-3	-4	-5	-6	-7	-8