Slash	Netmask	Wildcard mask
/32	255.255.255.255	0.0.0.0
/31	255.255.255.254	0.0.0.1
/30	255.255.255.252	0.0.0.3
/29	255.255.255.248	0.0.0.7
/28	255.255.255.240	0.0.0.15
/27	255.255.255.224	0.0.0.31
/26	255.255.255.192	0.0.0.63
/25	255.255.255.128	0.0.0.127
/24	255.255.255.0	0.0.0.255
/23	255.255.254.0	0.0.1.255
/22	255.255.252.0	0.0.3.255
/21	255.255.248.0	0.0.7.255
/20	255.255.240.0	0.0.15.255
/19	255.255.224.0	0.0.31.255
/18	255.255.192.0	0.0.63.255
/17	255.255.128.0	0.0.127.255
/16	255.255.0.0	0.0.255.255
/15	255.254.0.0	0.1.255.255
/14	255.252.0.0	0.3.255.255
/13	255.248.0.0	0.7.255.255
/12	255.240.0.0	0.15.255.255
/11	255.224.0.0	0.31.255.255
/10	255.192.0.0	0.63.255.255
/9	255.128.0.0	0.127.255.255
/8	255.0.0.0	0.255.255.255
/7	254.0.0.0	1.255.255.255
/6	252.0.0.0	3.255.255.255
/5	248.0.0.0	7.255.255.255
/4	240.0.0.0	15.255.255.255
/3	224.0.0.0	31.255.255.255
/2	192.0.0.0	63.255.255.255
/1	128.0.0.0	127.255.255.255
/0	0.0.0.0	255.255.255.255

```
<1-99> IP standard access list

<100-199> IP extended access list
```

STANDARD

- router co najblizsie pri cieli -- out

R3(config)#access-list 1 deny 192.168.10.0 0.0.0.255

R3(config)#access-list 1 permit any

R3(config)#int g0/0

R3(config-if)#ip access-group 1 out

EXTENDED

- Povolit ftp z pc lanky
- Co najblizsie ku zdroju -- in

R1(config)#access-list 100 permit tcp 172.22.34.64 0.0.0.31 host 172.22.34.62 eq ftp

- Povolit ping na server

R1(config)#access-list 100 permit icmp 172.22.34.64 0.0.0.31 host 172.22.34.62

R1(config)#int g0/0

R1(config-if)#ip access-group 100 in

- Povilit http a ping

R1(config)#ip access-list extended HTTP_ONLY
R1(config-ext-nacl)#permit tcp 172.22.34.96 0.0.0.15 host 172.22.34.62 eq www

R1(config-ext-nacl)#permit icmp 172.22.34.96 0.0.0.15 host 172.22.34.62

R1(config)#int gigabitEthernet 0/1

R1(config-if)#ip access-group HTTP_ONLY in