

1A	Binarno		Dekadski
SM	11111111.11111111.11111110.00000000		255.255.254.0/23
Net ID	10101100.00010000.00000000.00000000		172.16.0.0/23
Next Net ID	10101100.00010000.00000010.00000000		172.16.2.0/23
First IP	10101100.00010000.00000000.00000001		172.16.0.1/23
Last IP	10101100.00010000.00000001.11111110		172.16.1.254/23
Broadcast	10101100.00010000.00000001.11111111		172.16.1.255/23

1B	Binarno		Dekadski
SM	11111111.11111111.11111111.00000000		255.255.255.0/24
Net ID	10101100.00010000.00000010.00000000		172.16.2.0/24
Next Net ID	10101100.00010000.00000011.00000000		172.16.3.0/24
First IP	10101100.00010000.00000010.00000001		172.16.2.1/24
Last IP	10101100.00010000.00000010.11111110		172.16.2.254/24
Broadcast	10101100.00010000.00000010.11111111		172.16.2.255/24

1C	Binarno		Dekadski
SM	11111111.11111111.11111111.00000000		255.255.255.0/24
Net ID	10101100.00010000.00000011.00000000		172.16.3.0/24
Next Net ID	10101100.00010000.00000100.00000000		172.16.4.0/24
First IP	10101100.00010000.00000011.00000001		172.16.3.1/24
Last IP	10101100.00010000.00000011.11111110		172.16.3.254/24
Broadcast	10101100.00010000.00000011.11111111		172.16.3.255/24

1D	Binarno		Dekadski
SM	11111111.11111111.11111111.10000000		255.255.255.128/25
Net ID	10101100.00010000.00000100.00000000		172.16.4.0/25
Next Net ID	10101100.00010000.00000100.10000000		172.16.4.128/25
First IP	10101100.00010000.00000100.00000001		172.16.4.1/25
Last IP	10101100.00010000.00000100.01111110		172.16.4.126/25
Broadcast	10101100.00010000.00000100.01111111		172.16.4.127/25

1E	Binarno		Dekadski
SM	11111111.11111111.11111111.11000000		255.255.255.192/26
Net ID	10101100.00010000.00000100.10000000		172.16.4.128/26
Next Net ID	10101100.00010000.00000100.11000000		172.16.4.192/26
First IP	10101100.00010000.00000100.10000001		172.16.4.129/26
Last IP	10101100.00010000.00000100.10111110		172.16.4.190/26
Broadcast	10101100.00010000.00000100.10111111		172.16.4.191/26

1F	Binarno		Dekadski
SM	11111111.11111111.11111111.11110000		255.255.255.240/28
Net ID	10101100.00010000.00000100.11000000		172.16.4.192/28
Next Net ID	10101100.00010000.00000100.11010000		172.16.4.208/28
First IP	10101100.00010000.00000100.11000001		172.16.4.193/28
Last IP	10101100.00010000.00000100.11001110		172.16.4.206/28
Broadcast	10101100.00010000.00000100.11001111		172.16.4.207/28

	subnet maska	binarni zapis	dekadski zapis
2.	/18	11111111.11111111.11000000.00000000	255.255.192.0
	/22	11111111.11111111.11111100.00000000	255.255.252.0
	/25	11111111.11111111.11111111.10000000	255.255.255.128
	/29	11111111.11111111.11111111.11111000	255.255.255.248
	/14	11111111.11111100.00000000.00000000	255.252.0.0

3.	192.168.0.0/26	11000000.10101000.00000011.00000000	192.168.0.0/22
	192.168.1.0/24	11000000.10101000.00000010.10000000	
	192.168.2.0/25	11000000.10101000.00000010.00000000	
	192.168.2.128/25	11000000.10101000.00000001.00000000	
	192.168.3.0/24	11000000.10101000.00000000.00000000	

4.	172.16.0.0/14	10101100.00010000.00000000.00000000	172.16.0.0/12
	172.20.0.0/14	10101100.00010100.00000000.00000000	
	172.24.0.0/14	10101100.00011000.00000000.00000000	
	172.28.0.0/14	10101100.00011100.00000000.00000000	

5. KLASA A - 10.0.0.0/8		
SM	broj mogućih pod mreža $2^{(SM-8)}$	broj računala $2^{(32-SM)-2}$
/10	4	4194302
/17	512	32766
/22	16384	1022
/27	524288	30

6. KLASA B - 172.16.0.0/12		
SM	broj mogućih pod mreža $2^{(SM-12)}$	broj računala $2^{(32-SM)-2}$
/14	4	262142
/16	16	65534
/23	2048	510
/27	32768	30

7. Nisam bas skuzila poantu sedmog, gledaju li se zahtjevi odvojeno, zasebno ili se nadovezuje
Zasebno: kod zahtjeva za 200 treba bit /24, a kod onog za 100 /25

Ak se gledalo kao da se sve prvo potrosi pa ide dalje, ovo bi bili NetIDevi i Smovi

192.168.0.0/22
192.168.4.0/23
192.168.6.0/24
192.168.7.0/25
192.168.7.128/26

8. racuna se 2 na potenciju (novi SM - stari SM)
oliti, $2^{(m-n)}$ u ovom slucaju
9. $2^{(32-SM)} - 2$
jer jedna adresa ode na NetID, a jedna za broadcast

10a	Binarno		Dekadski
IP	00001010.00110010.11001000.00000001		10.50.200.1/15
SM	11111111.11111110.00000000.00000000		255.254.0.0/15
Net ID	00001010.00110010.00000000.00000000		10.50.0.0/15
First IP	00001010.00110010.00000000.00000001		10.50.0.1/15
Last IP	00001010.00110011.11111111.11111110		10.51.255.254/15

10b	Binarno		Dekadski
IP	10101100.00011111.00000000.01100100		172.31.0.100/21
SM	11111111.11111111.11111000.00000000		255.255.248.0/21
Net ID	10101100.00011111.00000000.00000000		172.31.0.0/21
First IP	10101100.00011111.00000000.00000001		172.31.0.1/21
Last IP	10101100.00011111.00000111.11111110		172.31.7.254/21

10c	Binarno		Dekadski
IP	11000000.10101000.11011110.11011110		192.168.222.222/29
SM	11111111.11111111.11111111.11111000		255.255.255.248/29
Net ID	11000000.10101000.11011110.11011000		192.168.222.216/29
First IP	11000000.10101000.11011110.11011001		192.168.222.217/29
Last IP	11000000.10101000.11011110.11011110		192.168.222.222/29

10d	Binarno		Dekadski
IP	11000000.10101000.00101100.01100011		192.168.44.99/26
SM	11111111.11111111.11111111.11000000		255.255.255.192/26
Net ID	11000000.10101000.00101100.01000000		192.168.44.64/26
First IP	11000000.10101000.00101100.01000001		192.168.44.65/26
Last IP	11000000.10101000.00101100.01111110		192.168.44.126/26