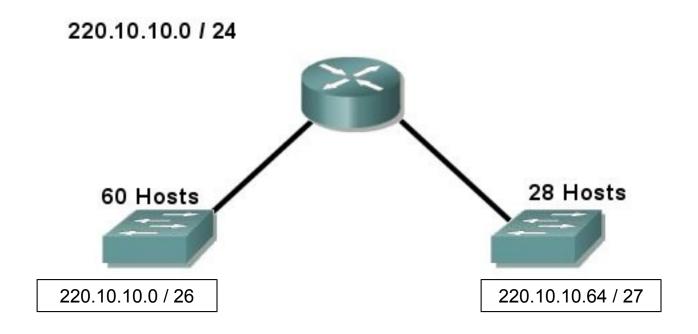
VLSM CHART - 24 to 30 Bits

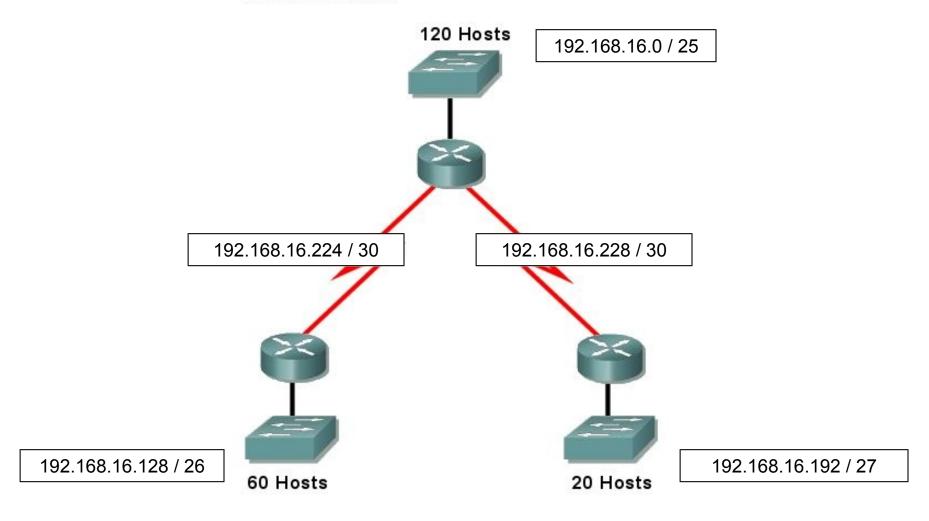
205 Houses 205 266 Abosts 205 266 Abosts 205 265 265 265 265 265 260 260 260 260 260 260 260 260 260 260	/24	125	/26	127	128	/29	/30
0 - 53	255.0 sts	255.255.255.128 128 Hosts	255.255.255.192 64 Hosts	255.255.255.224 32 Hosts	255.255.255.240 16 Hosts	255.255.255.248 8 Hosts	255.255.255.252 4 Hosts
0 - 15						-	0 - 3
0-127 0-63 0-127 0-127 0-128 0-127 0-128 0-127 0-128 0-127 0-128 0-127 0-128 0-127 0-128 0-127 0-128 0-127 0-128 0-128 0-128 0-129 0-1					45		4 - 7
0-127 0-63 22-63 32-47 48-65 48-65 48-65 48-65 48-65 89-67 64-79 64-71 64-79 64-71 64-79 64-71 112-127 112-129 128-181 128-181 128-181 128-255 182-255 224-255 224-255 232-47 16-31 16-31 16-31 16-31 24-31 24-31 24-31 16-32 20-23 20-23 20-23 20-23 20-23 20-23 20-23 20-23 20-23 20-23 20-23 20-23 20-23 20-23 20-23 20-23 20-23					2		8 - 11
16 - 31				0-31			12 - 15
0 - 63							16 - 19
32-63					16-31		20 - 23
96 - 127 128 - 159 128 - 255 1						•	28 - 31
32 - 63 0 - 127 0 - 127 0 - 127 0 - 127 0 - 127 0 - 127 128 - 159 128 - 159 144 - 151 160 - 175 160 - 167 160			0-63			1	32 - 32
48 - 63 48 - 63 80 - 87 80 - 87 812 - 135 128 - 143 128 - 143 144 - 151 160 - 175 160 - 175 160 - 175 160 - 175 160 - 175 160 - 175 160 - 183 162 - 189 192 - 203 208 - 215 208 - 224 208 - 225 208 - 227 208 - 227 208 - 227 208 - 227 208 - 227 208 - 237 208 - 237					!		36 - 39
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48-63 48-55 48-63 56-63 64-70 64-71 64-79 64-79 64-79 64-71 64-79 64-79 72-79 80-95 88-95 80-87 80-95 88-95 80-87 80-95 88-95 80-87 80-95 88-95 80-127 112-127 112-137 112-139 128-139 128-139 144-151 144-159 144-151 1160-191				27 . 63		1	44 - 47
48 - 63				22 - 55		٠	48 - 51
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64 - 95 64 - 95 64 - 127 64 - 95 80 - 95 80 - 95 80 - 95 80 - 95 80 - 95 80 - 95 80 - 95 80 - 95 80 - 103 96 - 111 112 - 119 112 - 127 112 - 119 112 - 137 112 - 139 128 - 159 144 - 159 160 - 175 160 - 167 160 - 167 160 - 167 160 - 167 160 - 167 160 - 167 160 - 167 192 - 199 192 - 225 224 - 231 224 - 235 240 - 255 240 - 255 240 - 255 240 - 255					64 - 79	1	72 - 75
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96 - 127 96 - 127 112 - 127 112 - 127 112 - 127 112 - 127 112 - 127 128 - 143 128 - 143 128 - 143 128 - 143 144 - 151 160 - 167 160 - 167 160 - 167 160 - 167 160 - 167 160 - 167 162 - 169 192 - 207 192 - 207 192 - 207 192 - 207 208 - 215 224 - 239 224 - 235 224 - 235 224 - 235 240 - 235 240 - 255 240 - 255 240 - 255 240 - 255 240 - 255						•	92 - 95
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128 - 157 128 - 159 128 - 159 128 - 159 128 - 159 128 - 157 128 - 143 128 - 143 128 - 143 128 - 143 128 - 143 144 - 159 160 - 167 160 - 167 160 - 167 160 - 167 160 - 167 160 - 167 162 - 169 192 - 207 192 - 209 192 - 209 192 - 209 208 - 215 208 - 215 208 - 221 224 - 239 240 - 247 240 - 247					96-111		100 - 103
128 - 151 128 - 151 128 - 153 128 - 153 128 - 153 128 - 153 128 - 153 128 - 153 128 - 153 144 - 151 144 - 151 160 - 167 160 - 167 160 - 167 160 - 167 160 - 167 160 - 167 162 - 159 192 - 207 192 - 207 192 - 207 200 - 207 200 - 207 200 - 207 224 - 231 224 - 235 224 - 235 240 - 247 240 - 247					-		104 - 107
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128 - 159 128 - 159 128 - 159 128 - 159 144 - 151 160 - 175 160 - 175 160 - 175 160 - 175 160 - 175 160 - 175 160 - 175 162 - 159 192 - 207 200 - 207 200 - 207 200 - 207 201 - 223 201 - 223 202 - 239 224 - 231 224 - 235 240 - 247	ı,					١ ١	124 - 127
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128 - 159 144 - 151 144 - 151 160 - 167 160 - 167 162 - 159 192 - 207 208 - 207 208 - 207 208 - 203 224 - 231 224 - 255 240 - 255 240 - 247						•	140 - 143
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128 - 191 160 - 191 160 - 197 160 - 197 160 - 197 160 - 197 176 - 193 192 - 207 208 - 215 208 - 215 224 - 255 224 - 255 240 - 255 240 - 255					144 150	1	148 - 151
128 - 191 160 - 167 160 - 167 160 - 167 160 - 167 168 - 175 176 - 191 176 - 193 192 - 207 192 - 207 208 - 215 208 - 215 208 - 215 224 - 255 224 - 255 240 - 255					90 - 44	-	152 - 155
160 - 175 160 - 191 176 - 191 176 - 191 176 - 193 192 - 203 192 - 203 192 - 203 192 - 203 208 - 215 208 - 215 208 - 215 224 - 255 240 - 255 240 - 255			128 - 191			١.	156 - 159
160 - 175							160 - 163
160 - 191 176 - 191 176 - 191 192 - 207 192 - 207 208 - 215 208 - 215 208 - 215 224 - 231 224 - 235 224 - 235 240 - 247 240 - 247					160 - 175	1	168 - 171
176 - 191 176 - 191 192 - 207 192 - 207 192 - 207 208 - 215 208 - 215 208 - 215 224 - 231 224 - 235 240 - 247 240 - 247				100 101			172 - 175
192 - 207 192 - 207 208 - 215 208 - 215 224 - 239 224 - 237 240 - 247				3		176 - 183	176 - 179
192 - 207 192 - 207 192 - 199 208 - 215 208 - 215 208 - 215 208 - 215 208 - 215 224 - 231 224 - 239 224 - 239 224 - 237 240 - 247					176 - 191		180 - 183
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192 - 207		007 - 071					192 - 195
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208 - 223				192 - 223		1	208 - 211
224 - 239 224 - 255 224 - 255 240 - 247 248 - 255					208-223	٠	212 - 215
224 - 239 224 - 255 240 - 255 240 - 247 248 - 255							216 - 219
224 - 231 224 - 239 232 - 239 240 - 247 240 - 247 248 - 255			192 - 255			1	220 - 223
240 - 255 240 - 247 248 - 255					****		228 - 231
240 - 255 248 - 255					224 - 239	١.	232 - 235
240 - 247				224 - 255			236 - 239
248 - 255					200	240 - 247	244 - 247
					240 - 255		248 - 251



220.10.10.0 / 24

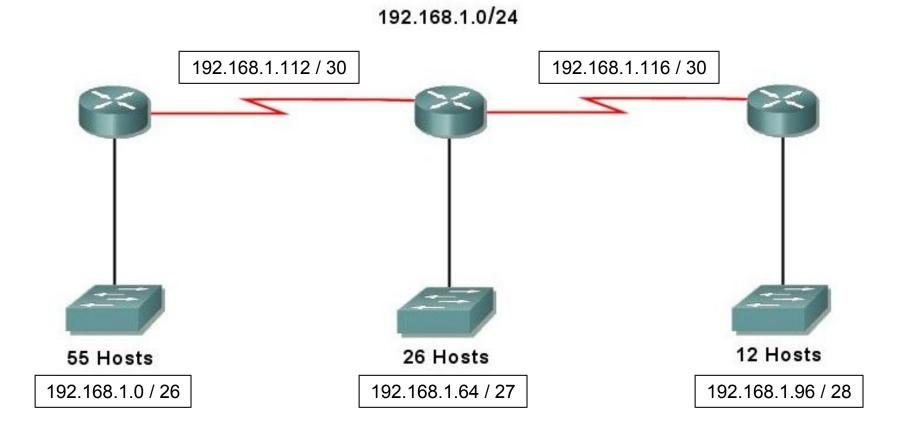
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		В	orr	ow	2 -	26	Ne	two	ork	bit	s -	6 H	los	t bi	ts ·	- Ma	agi	c N	um	ıbe	r =	64														
60 Hosts	220.10.10.0 / 26 220.10.10.64 / 26 220.10.10.128 / 26	1	1	0	1	1	1	0	0		0	0	0	0	1 •	0	1	0		0	0	0	0	1	0	1	0		0 0 1	0 1 0	0	0	0	0	0	0
	220.10.10.192 / 26 Subnet Mask:	1 1	1 1	0 1	1 1	1 1	1 1	0 1	0 1		0 1	0 1	0 1	0 1	1 1	0 1	1 1	0 1		0 1	0 1	0 1	0 1	1 1	0 1	1 1	0 1	.	1	1	0	0	0	0	0	0
		В	orr	ow	1 N	lor	e - :	27	Net	wo	ork	bit	s - :	5 H	osi	t bit	ts -	Ma	agi	c N	um	be	r = 1	32					-		-			-		
28 Hosts	220.10.10.64 / 27 220.10.10.96 / 27	1	1	0	1	1	1	0	0		0	0	0	0	1	0	1	0		0	0	0	0	1	0	1	0	•	0	1	0	0	0	0	0	0
	Subnet Mask:	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1		1	1	1	0	0	0	0	0

192.168.16.0 / 24



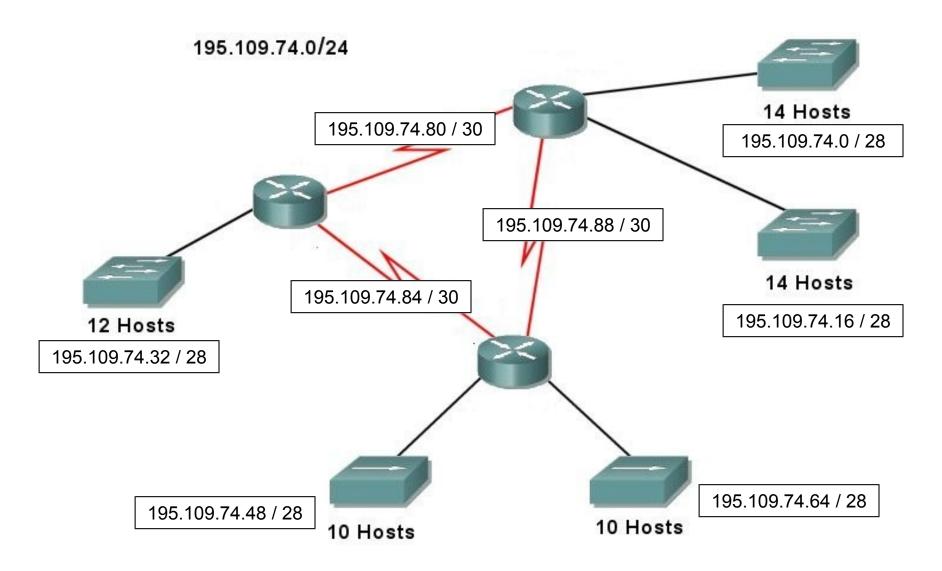
192.168.16.0 / 24

	Network: Subnet Mask:	1	1 1	0 1	0 1	0 1	0 1	0 1	0	:	1 1	0 1	1 1	0	1 1	0 1	0 1	0	:	0 1	0 1	0 1	1	0 1	0 1	0 1	1		0	0	0	0	0	0	•	0
		В	orre	ow	1 -	25	Net	wo	rk l	bits	s - '	7 H	osi	: bi	ts -	Ma	agio	: N	um	be	r =	128	3						-	-						
120 Hosts	192.168.16.0 / 25 192.168.16.128 / 25 Subnet Mask:	1	1		0						1	0	1	0		0		0		0	0		1	0		0			0 1 1		0				0	0
		_			4.1																															_
		В	orre	ow	1 N	lore) - 2	26 I	vet	wo	rk	bits	s - (i H	ost	bit	<u>s -</u>	Ма	gic	: N	um	bei	<u> </u>	64												
60 Hosts	192.168.16.128 / 26 192.168.16.192 / 26	1	1	0	0	0	0	0	0		1	0	1	0	1	0	0	0		0	0	0	1	0	0	0	0) .	1	0	0	0	0	0	0	0
	Subnet Mask:	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1		1	1	0	0	0	0	0	0
		В	orre	ow	1 N	lor	e - 2	27 I	Vet	wo	rk	bits	s -	5 H	ost	bit	:s -	Ма	gio	: N	um	bei	r = 1	32												
20 Hosts	192.168.16.192 / 27 192.168.16.224 / 27 Subnet Mask:	1	1	0	0	0	0	0	0		1	0	1	0	1	0	0	0		0	0	0	1	0	0	0	0		. 1		0 1 1			0	0	0
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		В	orre	ow	3 IV	ior) - (3U I	чет	wo	rĸ	DITS	S - 2	2 H	ost	DII	<u>s -</u>	ivia	gic	: N	um	bei	r = .	4									-			
2 Hosts 2 Hosts	192.168.16.224 / 30 192.168.16.228 / 30	1	1	0	0	0	0	0	0		1	0	1	0	1	0	0	0		0	0	0	1	0	0	0	0) .	. 1	1	1	0	0	0	0	0
	•														•																		•			
	192.168.16.252 / 30 Subnet Mask:	1	1	0	0	0	0	0	0		1	0	1	0	1	0	0	0		0	0	0	1	0	0	0	0) .	. 1	1	1	1	1	1	-	0



192.168.1.0 / 24

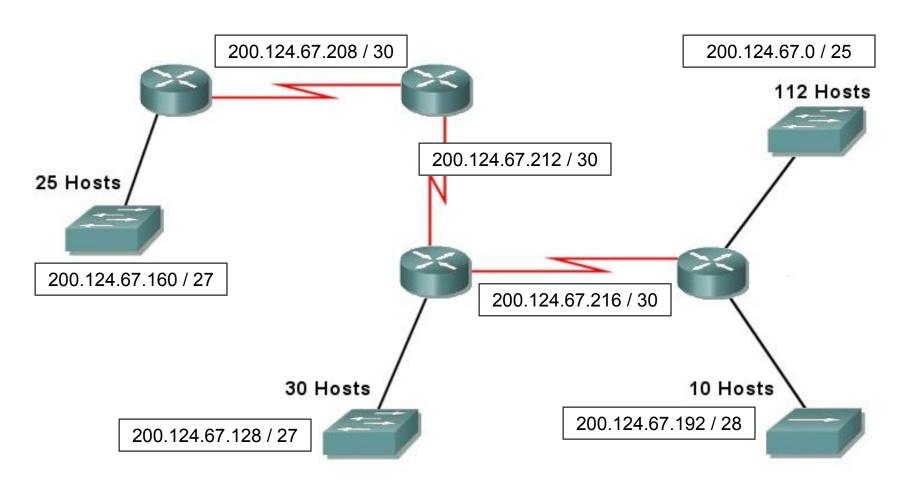
	Network: Subnet Mask:	1 1	1 1	0 1	0 1	0 1	0 1	0 1	0 1		1 1	0 1	1 1	0 1	1	0 1	0	0 1		0 1	0	0	0	0 1	0 1	0 1	1 1		0	0	0	0	0	0	0	0
		В	orr	ow	2 -	26	Net	wo	rk t	oits	- 6	Н	ost	bit	:s -	Ма	gio	: Nı	ım	ber	· =	64														
55 Hosts	192.168.1.0 / 26 192.168.1.64 / 26 192.168.1.128 / 26	1	1	0	0	0	0	0	0		1	0	1	0	1 •	0	0	0		0	0	0	0	0	0	0	1	-	0 0 1	0 1 0	0	0	0	0	0	0
	192.168.1.192 / 26 Subnet Mask:	1 1	1	0 1	0 1	0 1	0 1	0 1	0		1	0 1	1 1	0	1	0	0	0		0 1	0	0	0	0 1	0 1	0 1	1 1	.	1	1	0	0	0	0	0	0
		В	orr	ow	1 N	lore	- 2	27 I	Vet	NOI	k k	oits	- 5	Н	ost	bit	s -	Ма	gic	Νι	ım	ber	= ;	32												
26 Hosts	192.168.1.64 / 27 192.168.1.96 / 27 Subnet Mask:	1	1	0	0	0	0	0	0		1	0	1	0	1	0	0	0		0	0	0	0	0	0	0	1		0	1	0 1 1		0	0	0	0
		В	orr	ow	1 N	lore		28 I	Vet	10%	'k k	oits	- 4	. Но	ost	bit	s -	Ma	gic	Νι	ım	ber	= '	16						—						\neg
12 Hosts	192.168.1.96 / 28 192.168.1.112 /28 Subnet Mask:	1	1		0				0						1	0	0	0			0	0	0	0	0	0	1				1 1	1			0	0
		В	orr	ow	2 N	lore		30 I	Vet	10%	'k k	oits	- 2	· Ho	ost	bit	s -	Ма	gic	Νι	ım	ber	= 4	4												
2 Hosts 2 Hosts	192.168.1.112 / 30 192.168.1.116 / 30 192.168.1.120 / 30								0																0	0	1	•	1	1	1	1	0 0 1	0 1 0 1	0	
	192.168.1.124 / 30 Subnet Mask:	1	1	1	1	1	1	1	1		1	1	1 1	1	1	1	1	1	:	1	1	1	1	1	1	1	1	:	1	1	1 1	1 [1	1	1	0	•



195.109.74.0 / 24

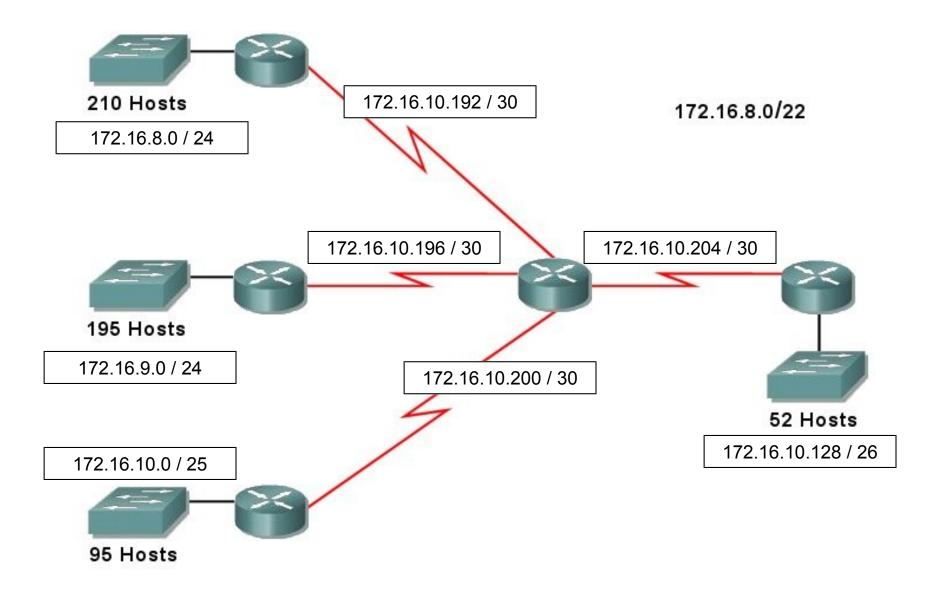
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		•				-		-	•	-			•						-		-	-		-	•	•										
		В	orro	w	4 -	28	Net	two	rk	bit	s -	4 H	ost	t bi	ts -	Ma	agio	: N	um	be	r =	16							-	-						
14 Hosts	195.109.74.0 / 28	1	1	0	0	0	0	1	1		0	1	1	0	1	1	0	1		0	1	0	0	1	0	1	0		0	0	0	0	0	0	0	0
14 Hosts	195.109.74.16 / 28														•														0	0	0	1				
12 Hosts	195.109.74.32 / 28														•														0	0	1	0				
10 Hosts	195.109.74.48 / 28														•														0	0	1	1				
10 Hosts	195.109.74.64 / 28														•														0	1	0	0				
	195.109.74.80 / 28														•														0	1	0	1				
	195.109.74.96 / 28														•														0	1	1	0				
/	•														•															•						
	•														•															•						
	405 400 74 040 / 00	4	4	^	^	^	^	4	4		^	4	4	^	•	4	^	4		^	4	^	^	4	^	4	^						^	^	^	^
	195.109.74.240 / 28	1	1	0	0	0	0	1	1	•	0	1	1	0	1	1	0	1	•	0	1	0	0	1	0	1	0	-	1	1	1	1	0	0	0	0
	Subnet Mask:	1	1	1	1	1	1	1	1	•	1	1	1	1	1	1	1	1	•	1	1	1	1	1	1	1	1	•	1	1	1	1	U	U	U	U
		Вс	orro)W	2 N	lore	e - :	30 I	Net	wo	rk	bits	s - 2	2 H	ost	bit	ts -	Ma	agi	c N	um	be	r = .	4						-						
2 Hosts	195.109.74.80 / 30	1	1	0	0	0	0	1	1		0	1	1	0	1	1	0	1		0	1	0	0	1	0	1	0		0	1	0	1	0	0	0	0
2 Hosts	195.109.74.84 / 30														•																		0	1		
2 Hosts	195.109.74.88 / 30														•																		1	0		
	195.109.74.92 / 30	1	1	0	0	0	0	1	1		0	1	1	0	1	1	0	1		0	1	0	0	1	0	1	0		0	1	0	1	1	1	0	0
	Subnet Mask:	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1		1	1	1	1	1	1	0	0

200.124.67.0/24



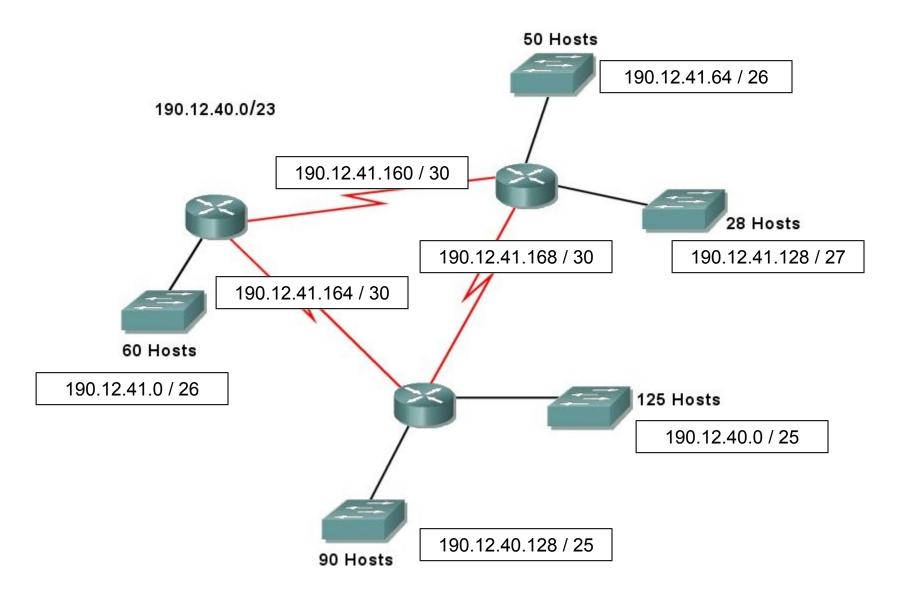
200.124.67.0 / 24

	Network: Subnet Mask:	1 1	1 1	0 1	0 1	1 1	0 1	0 1	0 1		0 1	1	1 1	1	1 1	1 1	0	0 1		0	1	0 1	0 1	0 1	0 1	1 1	1 1		0	0	0	0	0	0	0	0
		В	orr	ow	1 -	25	Ne	two	rk l	oits	- 7	' Ho	st	bit	ts -	Ма	gic	: Nı	ım	bei	r =	128	3													
112 Hosts	200.124.67.0 / 25 200.124.67.128 / 25	1	1	0	0	1	0	0	0		0	1	1	1	1	1	0	0	•	0	1	0	0	0	0	1	1		0	0	0	0	0	0	0	0
	Subnet Mask:	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	٠	1	0	0	0	0	0	0	0
		В	orr	ow	2 N	/lor	e - :	27 I	Net	IOW	rk k	oits	- 5	БН	ost	bit	s -	Ма	gic	: Nı	um	bei	· = :	32							-					
30 Hosts 25 Hosts	200.124.67.128 / 27 200.124.67.160 / 27	1	1	0	0	1	0	0	0		0	1	1	1	1	1	0	0		0	1	0	0	0	0	1	1		1	0	0	0	0	0	0	0
	200.124.67.192 / 27 200.124.67.224 / 27 Subnet Mask:	1 1	1 1	0	0	1 1	0 1	0 1	0		0 1	1	1 1	1	• 1 1	1	0	0		0	1	0	0	0	0	1	1		1	1 1	0 1	0	0	0	0	0
		В	orr	ow	1 N	/lor	e - :	28 I	Net	IOW	rk k	oits	- 4	ιн	ost	bit	s -	Ма	gio	: Nı	um	beı	· =	16												
10 Hosts	200.124.67.192 / 28 200.124.67.208 / 28	1	1	0	0	1	0	0			0	1	1	1			0	0		0	1	0	0	0	0	1						1			0	0
	Subnet Mask:	1	1	1	1	1	1	1	1	•	1	1	1	1	1	1	1	1	•	1	1	1	1	1	1	1	1	•	1	1	1	1	0	U	U	U
		В	orr	ow	2 N	/lor	e - :	30 I	Net	IOW	rk k	oits	- 2	2 H	ost	bit	s -	Ма	gic	: N	um	bei	• = .	4												
2 Hosts 2 Hosts 2 Hosts	200.124.67.208 / 30 200.124.67.212 / 30 200.124.67.216 / 30	1	1	0	0	1	0	0	0		0	1	1	1	1 •	1	0	0		0	1	0	0	0	0	1	1		0	1	0	1	0 0 1	0 1 0	0	0
	200.124.67.220 / 30 Subnet Mask:	1 1	1 1	0 1	0 1	1 1	0 1	0 1	0 1		0 1	1 1	1 1	1 1	1 1	1 1	0 1	0 1		0 1	1 1	0 1	0 1	0 1	0 1	1 1	1 1	:	0 1	1 1	0 1	1 1	1	1	0	



172.16.8.0 / 22

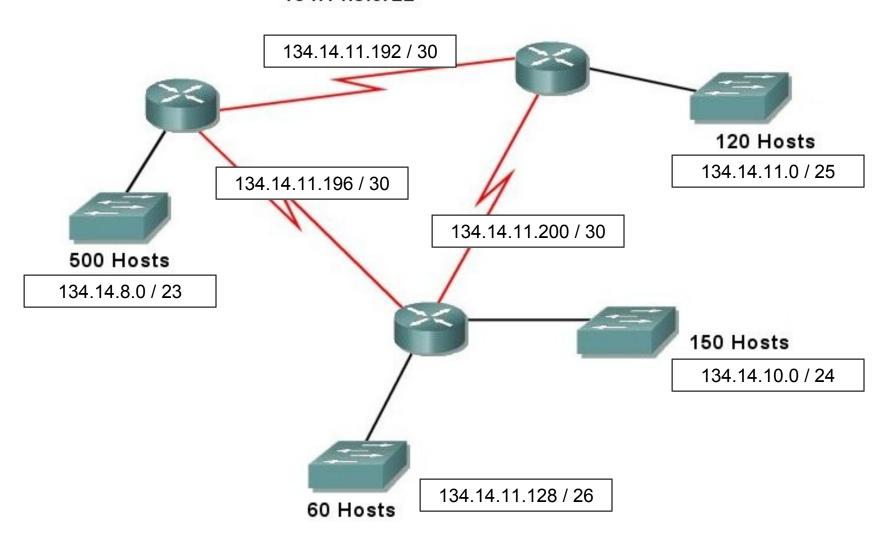
	Network: Subnet Mask:		0 0
		Borrow 2 - 24 Network bits - 8 Host bits - Magic Number = 256	
210 Hosts 195 Hosts	172.16.9.0 / 24 172.16.10.0 / 24 172.16.11.0 / 24	1 0 1 0 1 1 0 0 . 0 0 0 0 1 0 0 0 . 0 0 0 0	0 0
	Subnet Mask:	1 1 1 1 1 1 1 1 . 1 1 1 1 1 1 1 1 1 . 1 1 1 1 1 1 1 1 1 . 0 0 0 0	0 0
		Borrow 1 More - 25 Network bits - 7 Host bits - Magic Number = 128	
95 Hosts	172.16.10.0 / 25 172.16.10.128 / 25 Subnet Mask:	1 0 1 0 1 1 0 0 . 0 0 0 0 1 0 0 0 . 0 0 0 0	0 0
	Subilet Wask.		, 0
		Borrow 1 More - 26 Network bits - 6 Host bits - Magic Number = 64	
52 Hosts	172.16.10.128 / 26 172.16.10.192 / 26 Subnet Mask:	1 0 1 0 1 1 0 0 . 0 0 0 0 1 0 0 0 . 0 0 0 0) 0
		Borrow 4 More - 30 Network bits - 2 Host bits - Magic Number = 4	
		DOTTOW 4 MOTE - 30 Network bits - 2 Host bits - Magic Number - 4	
2 Hosts 2 Hosts 2 Hosts 2 Hosts	172.16.10.192 / 30 172.16.10.196 / 30 172.16.10.200 / 30 172.16.10.204 / 30	1 0 1 0 1 1 0 0 . 0 0 0 0 1 0 0 0 . 0 0 0 0	0
	172.16.10.252 / 30 Subnet Mask:		0 0



190.12.40.0 / 23

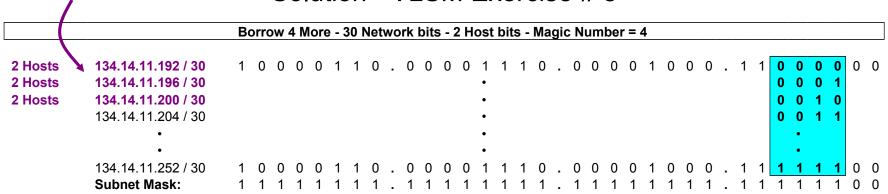
	Network: Subnet Mask:								0 1																									0	0	0
		В	orr	ow	2 -	25	Net	wo	rk b	its	- 7	Ho	st	bit	s -	Ма	gic	Nu	ımk	er	= 1	28														
125 Hosts 90 Hosts	190.12.40.0 / 25 190.12.40.128 / 25 190.12.41.0 / 25	1	0	1	1	1	1	1	0		0	0	0	0	1 •	1	0	0		0 (0	1	0	0	1	0	0 0 1	÷		0	0	0	0	0	0	0
	190.12.41.128 / 25 Subnet Mask:	1	1	1	1	1	1	1		•	1	1	1	1	1	1	1	1	•	1	1	1	1	1	1	- 1			1	0	-	-	-	-	0	0
		В	orr	wo	1 N	lore) - 2	26 1	letv	vor	k b	its	- 6	Но	st	bit	s -	Maç	gic	Nu	mb	er	= 6	4												
60 Hosts 50 Hosts	190.12.41.0 / 26 190.12.41.64 / 26	1	0	1	1	1	1	1	0		0	0	0	0	1	1	0	0		0 ()	1	0	0	1	0	1		0	0	0	0	0	0	0	0
	Subnet Mask:	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	•	1	1	0	0	0	0	0	0
		В	orr	ow	1 N	lore	e - 2	27 1	letv	vor	k b	its	- 5	Но	st	bit	s -	Mag	gic	Nu	mb	er	= 3	2												
28 Hosts	190.12.41.128 / 27 190.12.41.160 / 27 Subnet Mask:								0																						1				0	0
			ori	· · · · ·	2 1	lor		20 1	Netv	···	k h	itc	2	Цс	oct.	hite		Mar	nic.	Ni	mh	or	_ /			-						-				\neg
			011	OW	3 IV	iore	. - 3	ו טפ	vetv	VOI	K D	nts	<u>- </u>	пс)SL	DIU	5 -	iviaç	JIC	Nu	ш	ei	- 4	•		-										
2 Hosts 2 Hosts 2 Hosts	190.12.41.160 / 30 190.12.41.164 / 30 190.12.41.168 / 30 190.12.41.172 / 30	1	0	1	1	1	1	1	0		0	0	0	0	1 .	1	0	0		0 (0	1	0	0	1	0	1	•	1	0	1		0 0 1 1		0	0
	190.12.41.252 / 30 Subnet Mask:	1 1	0	1	1 1	1	1	1 1	0		•	•	•	0 1	•	1 1	0	0	•	•) 1	•	0 1	•	1	0	1 1		-	0		1	• 1	1	•	0

134.14.8.0/22

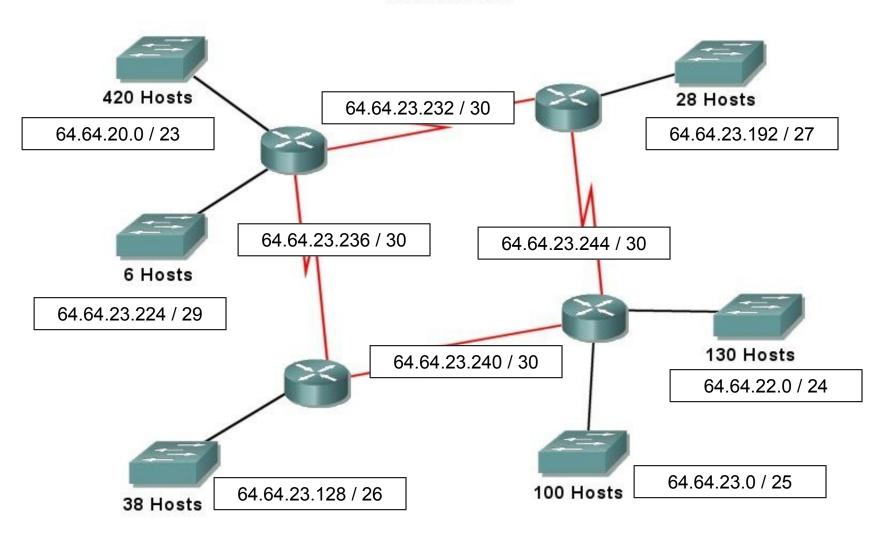


134.14.8.0 / 22

	Network: Subnet Mask:	1 1	0 1	0 1	0 1	0 1	1 1	1 1	0 1		0 1	0 1	0 1	0 1	1 1	1 1	1 1	0		0	0 1	0 1	0	1 1	0	-	0	•	•	•	0	0	0	0	0	-
		В	orre	ow	1 -	23	Ne	two	ork	bit	s -	9 H	ost	t bi	ts -	Ма	gic	: Nı	uml	ber	= 2	2							<u> </u>			-	<u> </u>	_		
500 Hosts	134.14.8.0 / 23 134.14.10.0 / 23	1	0	0	0	0	1	1	0		0	0	0	0	1	1	1	0		0	0	0	0	1	0	0	0		0	0	0	0	0	0	0	0
/	Subnet Mask:	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	0		0	0	0	0	0	0	0	0
		В	orre	ow	1 N	lor	e - :	24	Net	wo	rk	bits	s - 8	ВН	ost	bit	s -	Ма	gic	Νι	ıml	oer	= 2	256												
150 Hosts	134.14.10.0 / 24 134.14.11.0 / 24	1	0	0	0	0	1	1	0		0	0	0	0	1	1	1	0		0	0	0	0	1	0	1	0		0	0	0	0	0	0	0	0
/	Subnet Mask:	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1		0	0	0	0	0	0	0	0
		В	orre	ow	1 N	lor	e - :	25	Net	wo	rk	bits	s - 7	7 H	ost	bit	s -	Ма	gic	Νι	ıml	oer	= 1	28												
120 Hosts	134.14.11.0 / 25 134.14.11.128 / 25	1	0	0	0	0	1	1	0		0	0	0	0	1	1	1	0		0	0	0	0	1	0	1	1		0	0	0	0	0	0	0	0
	Subnet Mask:	1	1	1	1	1	1	1	1	•	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	•	1	0	0	0	0	0	0	0
		В	orre	ow.	1 N	lor	e - :	26	Net	wo	rk	bits	s - (6 H	ost	bit	s -	Ma	qic	Nι	ıml	oer	= 6	64							-			-		\neg
																													_							
60 Hosts	134.14.11.128 / 26 134.14.11.192 / 26	1	0	0	0	0	1	1	0	•	0	0	0	0	1	1	1	0	•	0	0	0	0	1	0	1	1	•	1	0	0	0	0	0	0	0
	Subnet Mask:	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1		1	1	0	0	0	0	0	0
Nex	t Page																																			

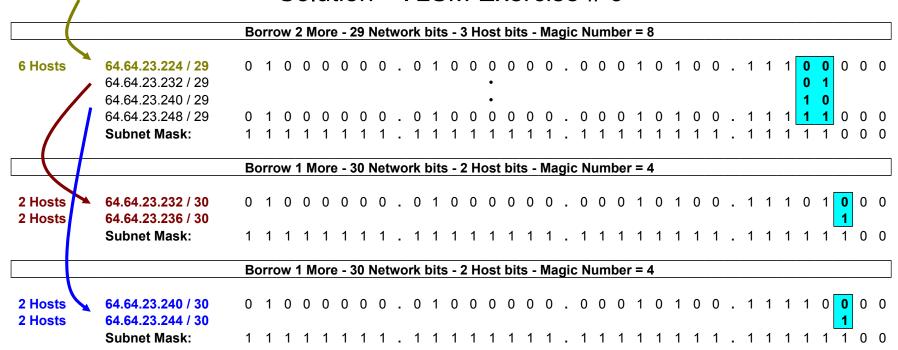


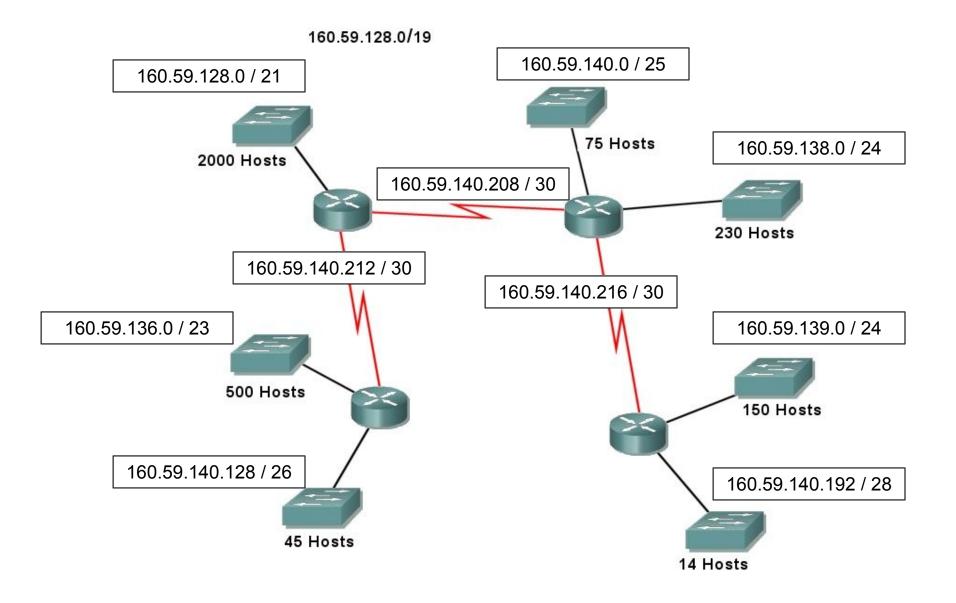
64.64.20.0/22



64.64.20.0 / 22

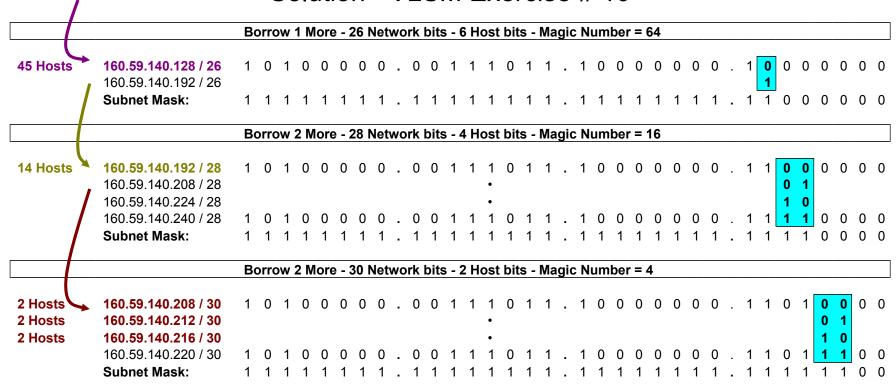
	Network: Subnet Mask:				0 (0 0	0	•
		Вс	orro	w 1	- 23	3 N	etw	orl	k bit	ts -	9 H	ost	bit	ts -	Ma	gic	: Nu	ımb	er	= 2															
420 Hosts	64.64.20.0 / 23 64.64.22.0 / 23	0	1	0	0 ()	0 0) (ο.	0	1	0	0	0	0	0	0	. () () ()	1	0	1	0	0		0	0	0	0	0	0	0	0
/	Subnet Mask:	1	1	1	1	1	1 1	۱ '	1.	1	1	1	1	1	1	1	1		1 '	1 1		1	1	1	1	0		0	0	0	0	0	0	0	0
		Вс	orro	w 1	Мо	re	- 24	Ne	etwo	ork	bits	s - 8	3 Н	ost	bit	s -	Мас	gic	Nu	mbe	er:	= 2	56												
130 Hosts	64.64.22.0 / 24 64.64.23.0 / 24 Subnet Mask:				0 (1								0	0
	Subilet Wask.																							1	'	I 	•								_
		Вс	orro	<u>w 1</u>	Мо	re	- 25	Ne	etwo	ork	bits	s - 7	7 H	ost	bit	<u>s -</u>	Мас	gic	Nu	mbe	er:	= 12	28												
100 Hosts	64.64.23.0 / 25 64.64.23.128 / 25	0	1	0	0 ()	0 0) (0.	0	1	0	0	0	0	0	0	. () () ()	1	0	1	1	1	·	0	0	0	0	0	0	0	0
	Subnet Mask:	1	1	1	1	1	1 1	۱ ′	1.	1	1	1	1	1	1	1	1	•	1 '	1 1		1	1	1	1	1		1	0	0	0	0	0	0	0
		Вс	orro	w 1	Мо	re	- 26	Ne	etwo	ork	bits	s - 6	6 H	ost	bit	s -	Maç	gic	Nu	mbe	er:	= 64	4												
38 Hosts	64.64.23.128 / 26 64.64.23.192 / 26	0	1	0	0 ()	0 0) (ο.	0	1	0	0	0	0	0	0	. () () ()	1 (0	1	0	0		1	0	0	0	0	0	0	0
	Subnet Mask:	1	1	1	1	1	1 1	l '	1.	1	1	1	1	1	1	1	1	•	1 '	1 1		1	1	1	1	1		1	1	0	0	0	0	0	0
		Вс	orro	w 1	Мо	re	- 27	Ne	etwo	ork	bits	s - 5	5 H	ost	bit	s -	Maç	gic	Nu	mbe	er:	= 32	2												
28 Hosts	64.64.23.192 / 27 64.64.23.224 / 27	0	1	0	0 ()	0 0) (ο.	0	1	0	0	0	0	0	0	. () () ()	1 (0	1	0	0		1	1	0	0	0	0	0	0
	Subnet Mask:	1	1	1	1	1	1 1	l <i>'</i>	1.	1	1	1	1	1	1	1	1		1 '	1 1		1	1	1	1	1		1	1	1	0	0	0	0	0
₩ex	t Page																																		



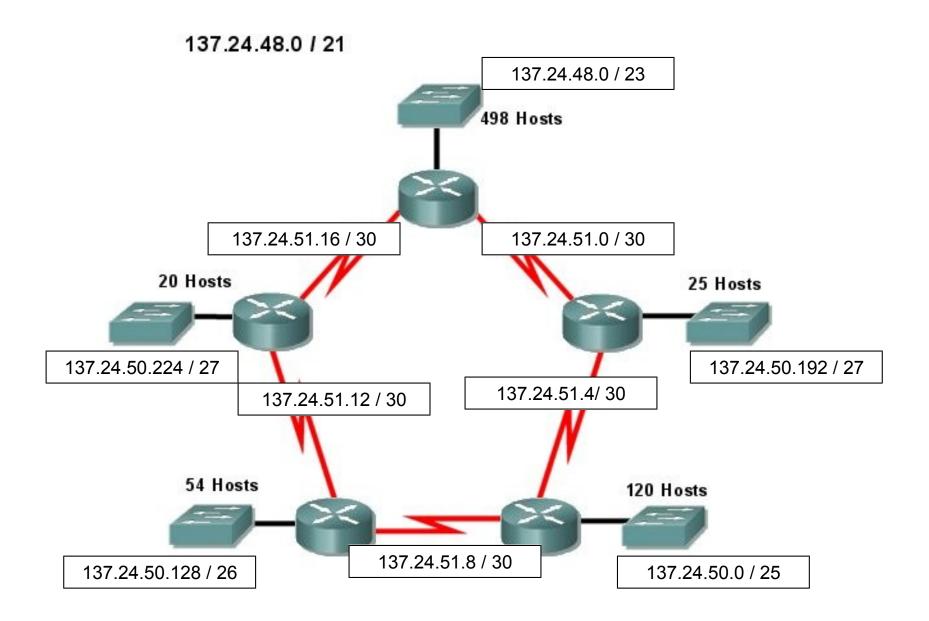


160.59.128.0 / 19

	Network: Subnet Mask:	1	0 1	•	0 1	0 1	0 1	0	0	-	•	0 1	1 1	1	1	0	1	1 1		1 1	0 1	0 1	•	0	0	0	0		0	0	0	0	0	0	0	0
		В	orr	ow	2 -	21	Net	wo	rk t	oits	- 1	1 H	los	t b	its	- M	agi	c N	lun	ıbe	r =	8														
2000 Hosts	160.59.128.0 / 21 160.59.136.0 / 21 160.59.144.0 / 21	1	0	1	0	0			0			0	1	1	1 •	0	1	1	-				0 1	0 1 0						0	0 .	0	0	0	0	0
	160.59.152.0 / 21 Subnet Mask:	1	1	1	1	1	0 1	-	1	•	0 1	1	1	1	1	1	1	1	:	1	•	0 <mark>[</mark> 1	1	1	0	-	0	•	0	0	0	0	0	0	0	0
		В	orr	ow	2 N	lore	e - 2	23 I	Netv	vor	k b	its	- 9	Нс	ost	bit	s -	Mag	gic	Nu	mb	er	= 2	2												
230 Hosts 150 Hosts	160.59.136.0 / 23 160.59.138.0 / 21 160.59.140.0 / 21 160.59.144.0 / 21 Subnet Mask: 160.59.138.0 / 24 160.59.139.0 / 24 Subnet Mask:	1 1 B•	0 1 orr 0	1 1 ow	0 1 1 N 0	0 1 flore 0	0 1 9 - 2	0 1 24 I 0		wor	0 1 k b 0	0 1 its 0	1 1 - 8	1 1 H c	• 1 1 ost	0 1 bit :	1 1 s -	1 1 Ma (gic	1 1 Nu 1	0 1 mb 0	0 1 per	0 1 = 2	1 1 2 56	0 1 1 1	1 0 1 1	0	· - -	0 0	0	0 0	0 0	0 0 0 0	0 0	0 0 0 0	0 0
		В	orre	ow	1 N	lore	e - 2	25 I	Netv	vor	k b	its	- 7	Нс	ost	bit	s -	Mag	gic	Nu	mb	er	= 1	28												
75 Hosts	160.59.140.0 / 25 160.59.140.128 / 25 Subnet Mask:	1	0	1	0	0	0	0	0		0																		1	0		0	0	0	0	0
Next		'	1	ı	1	ı	ı	ı	ı	•	1	1	ı	1	1	ı	1	1		1	ı	1	1	ı	ı	ı	ı	•	ı	U	U	J	U	U	U	



VLSM Exercise # 11



137.24.48.0 / 21

	Network: Subnet Mask:	1 1	0 1	0 1	0 1	1 1	0 1	0 1	1 1		0 1	0 1	0 1	1 1	1 1	0	0 1	0 1		0	0 1	1 1	1 1	0	0	0	0		0	0	0	0	0	0	0	0
		В	orro	w 2	? - 2	3 N	etwo	ork	bits	- 9	Но	st b	its	- Ma	agic	: Nu	mb	er =	2																	
498 Hosts	137.24.48.0 / 23 137.24.50.0 / 23 137.24.52.0 / 23	1	0	0	0	1	0	0	1		0	0	0	1	1	0	0	0		0	0	1	1	0	0 0	0 1	0		0	0	0	0	0	0	0	0
	137.24.54.0 / 23 137.24.54.0 / 23 Subnet Mask:	1 1	0 1	0 1	0 1	1 1	0 1	0 1	1 1		0 1	0 1	0	1	1 1	0 1	0 1	0 1		0 1	0 1	1 1	1 1	0	1	0 1 1	0 0		0	0	0	0	0	0	0	0
		В	orro	w 2	Мс	re -	25	Net	wo	rk b	its	- 7 H	los	t bit	s -	Mag	gic l	Nun	nbe	r =	128	}														
120 Hosts	137.24.50.0 / 25 137.24.50.128 / 25 137.24.51.0 / 25 137.24.51.128 / 25	1	0	0	0	1	0	0	1		0	0	0	1	1 •	0	0	0		0	0	1	1	0	0	1	0 0 1 1	•	0 1 0 1	0	0 .	0	0	0	0	0
	Subnet Mask:	1 	1 orro	1 w/ 1	1 M c	1 	26	1 Not	1 	rk h	1 ite	1	1	1 t bit	1	1 Mad	1 nic I	1 Nun	nhe	1 r =	1 64	1	1	1	1 —	1	1	•	1	0	0	0	0	0	0	0
			0110	, , , ,	1410	,,,,,		1400	***	IN N	113	- 0 1	103		.5 -	ivia	JIC 1	ITUII		<u>,ı –</u>																
54 Hosts	137.24.50.128 / 26 137.24.50.192 / 26 Subnet Mask:	1	0	0	0	1	0	0	1		0	0	0	1	1	0	0	0		0	0	1	1	0						1		0	0	0	0	0
		В	orro	w 1	Мс	re -	27	Net	wo	rk b	its	- 5 H	Hos	t bit	:s -	Mag	gic I	Nun	nbe	r =	32															
25 Hosts 20 Hosts	137.24.50.192 / 27 137.24.50.224 / 27 Subnet Mask:	1		1										1		0	1			1				1	1	0	0		1	1	1			0	0	
1	Next Page																																			

	Borrow 3 More - 30 Network bits - 2 Host bits - Magic Number = 4																																	
2 Hosts	137.24.51.0 / 30	1	0	0	0	1	0	0	1		0	0	0	1	1	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0
2 Hosts	137.24.51.4 / 30														•															0	0	1		
2 Hosts	137.24.51.8 / 30														•															0	1	0		
2 Hosts	137.24.51.12 / 30														•															0	1	1		
2 Hosts	137.24.51.16 / 30														•															1	0	0		
	•														•																•			
	•														•																•			
	160.59.140.252 / 30	1	0	1	0	0	0	0	0		0	0	1	1	1	0	1	1	1	0	0	0	1	1	0	0	1	1	1	1	1	1	0	0
	Subnet Mask:	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0