



# Addressing Plan Design

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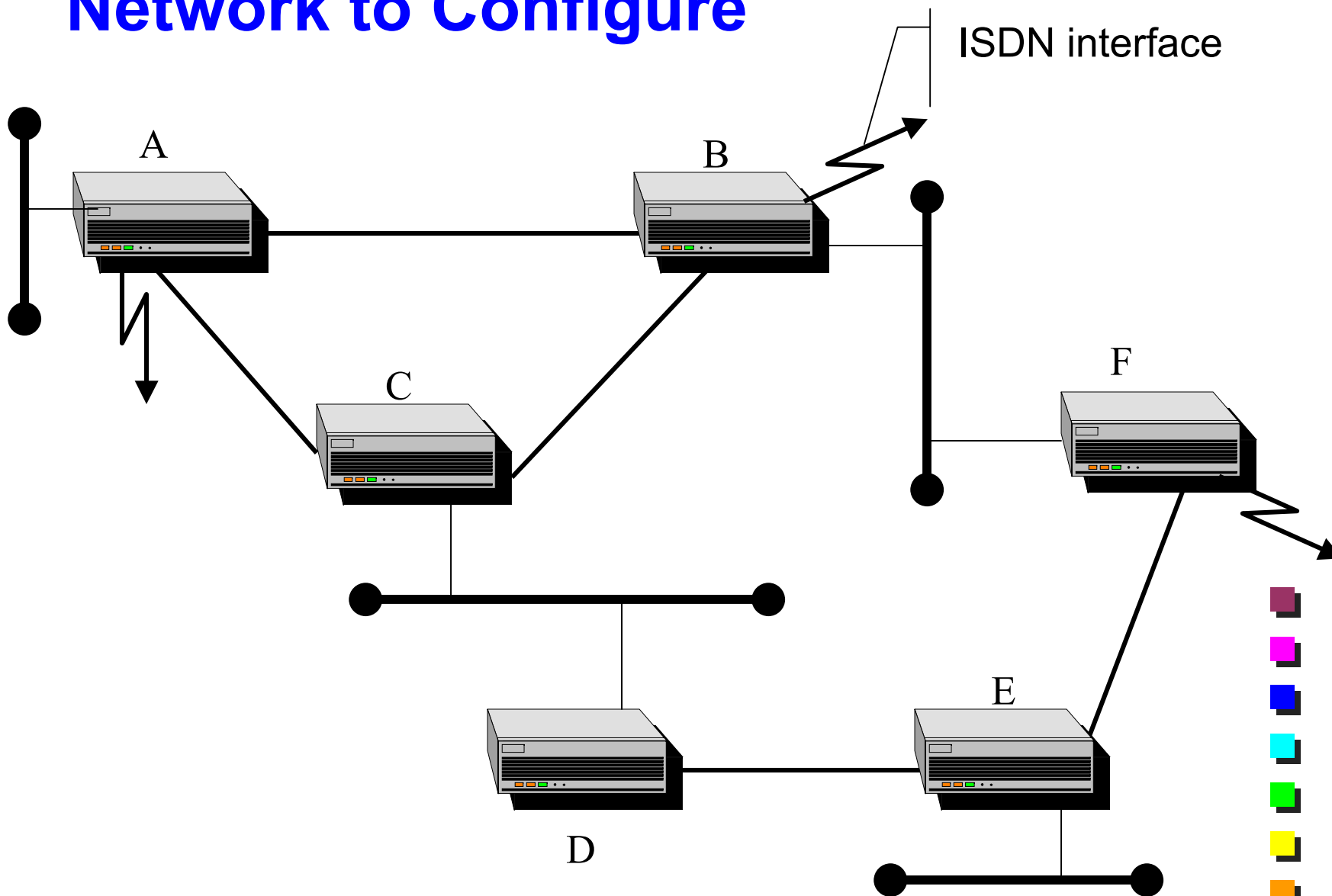
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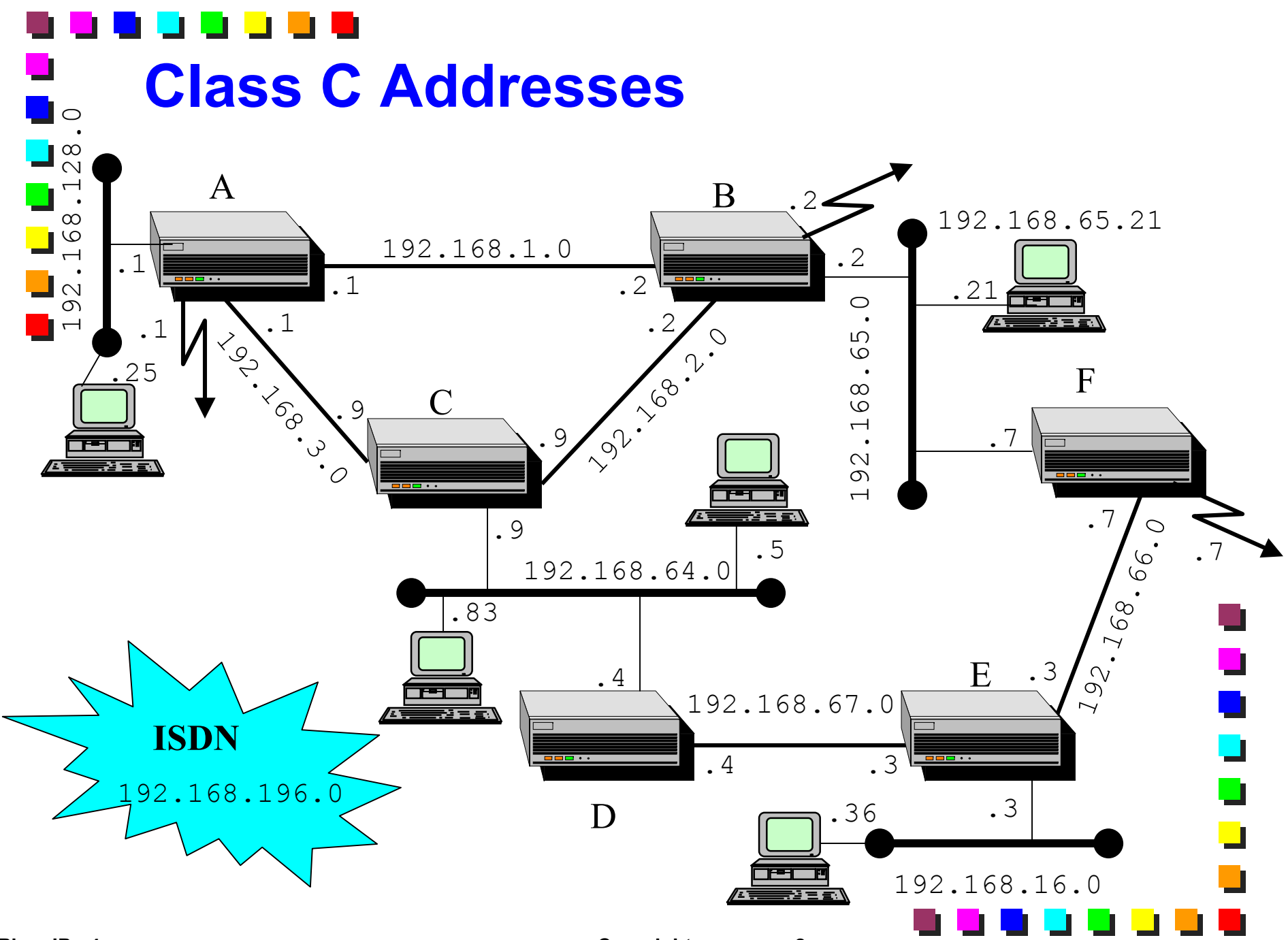
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# Network to Configure

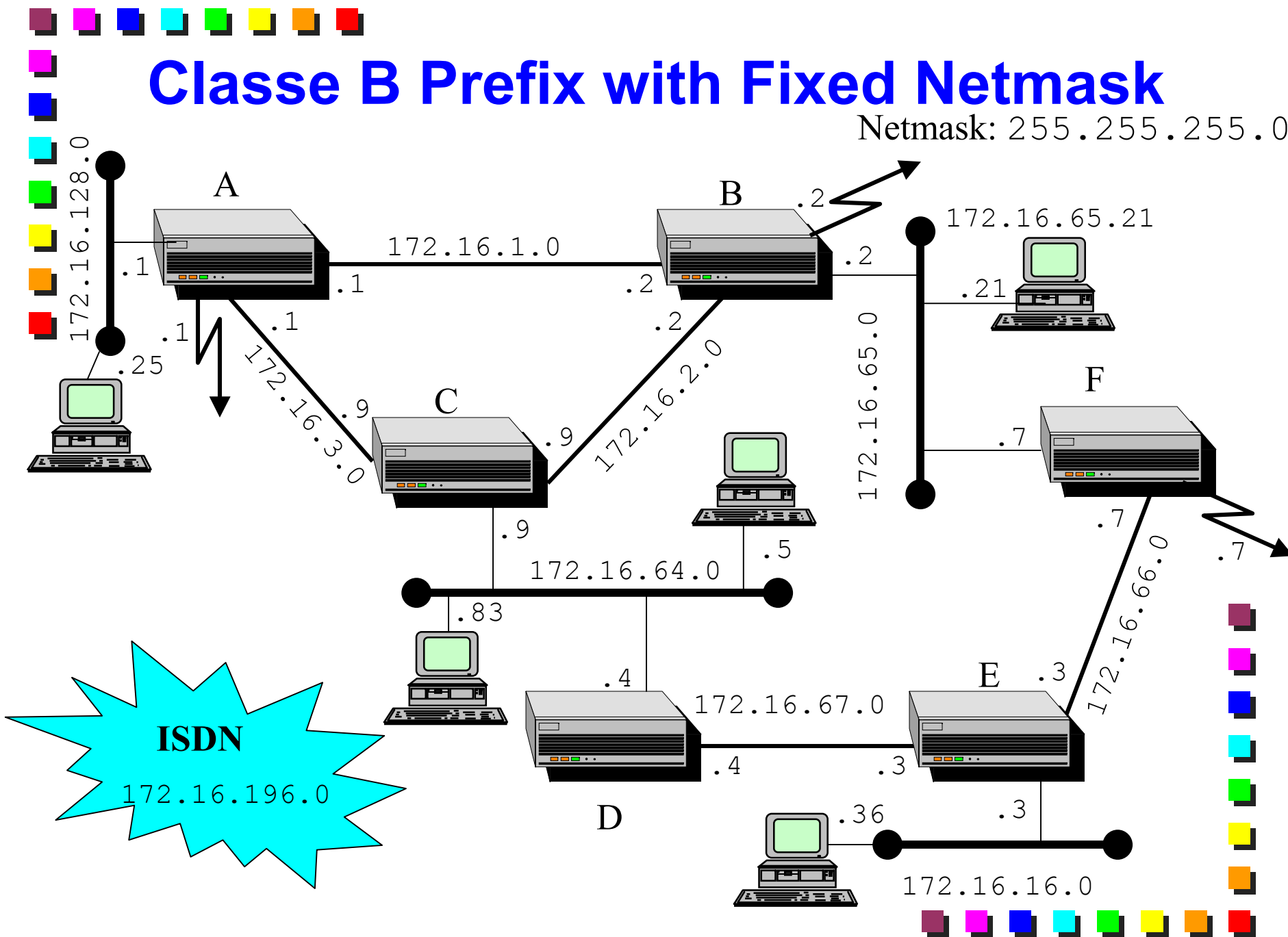


# Class C Addresses

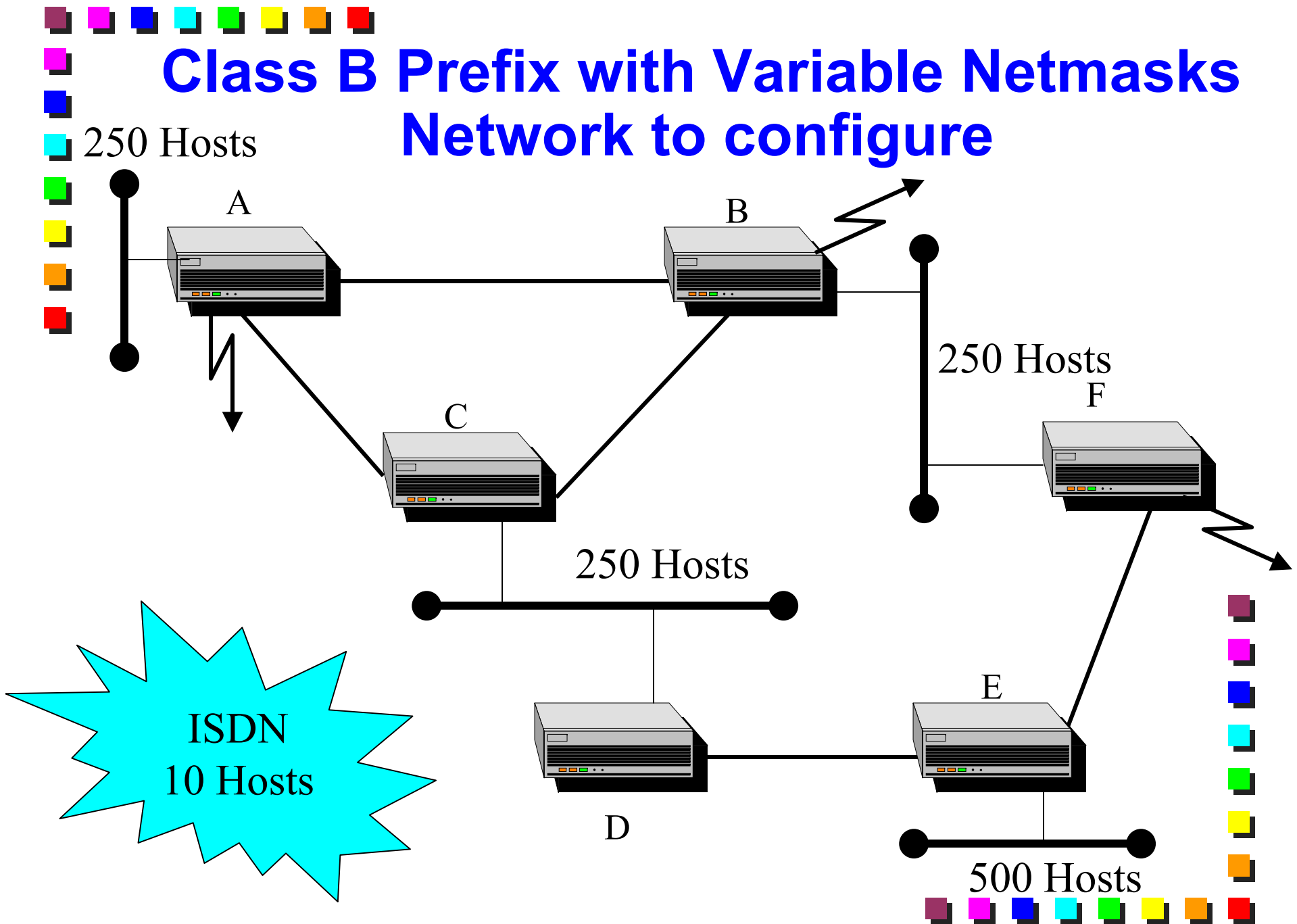


# Classe B Prefix with Fixed Netmask

Netmask: 255.255.255.0



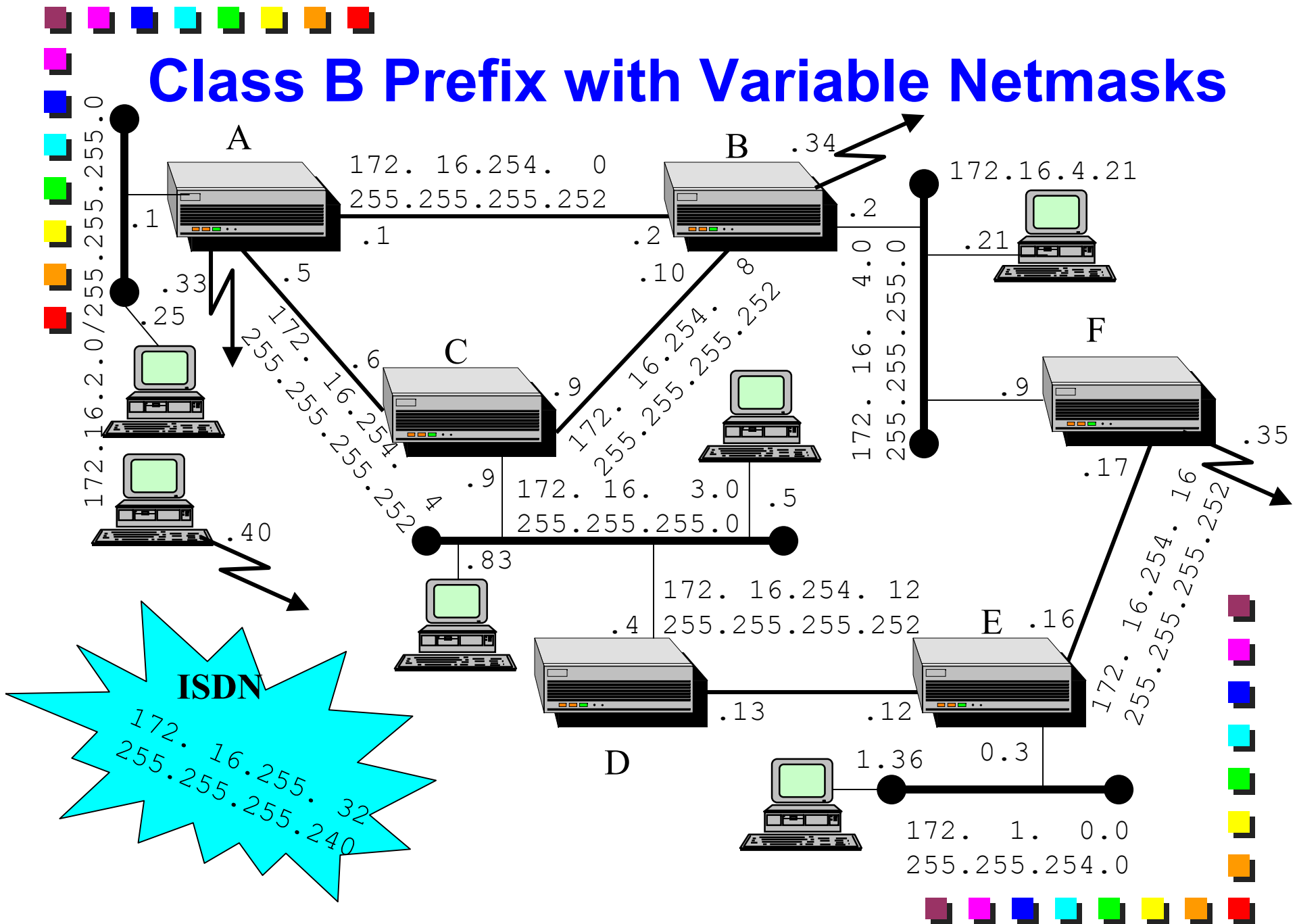
# Class B Prefix with Variable Netmasks Network to configure



# Network Prefix Choice

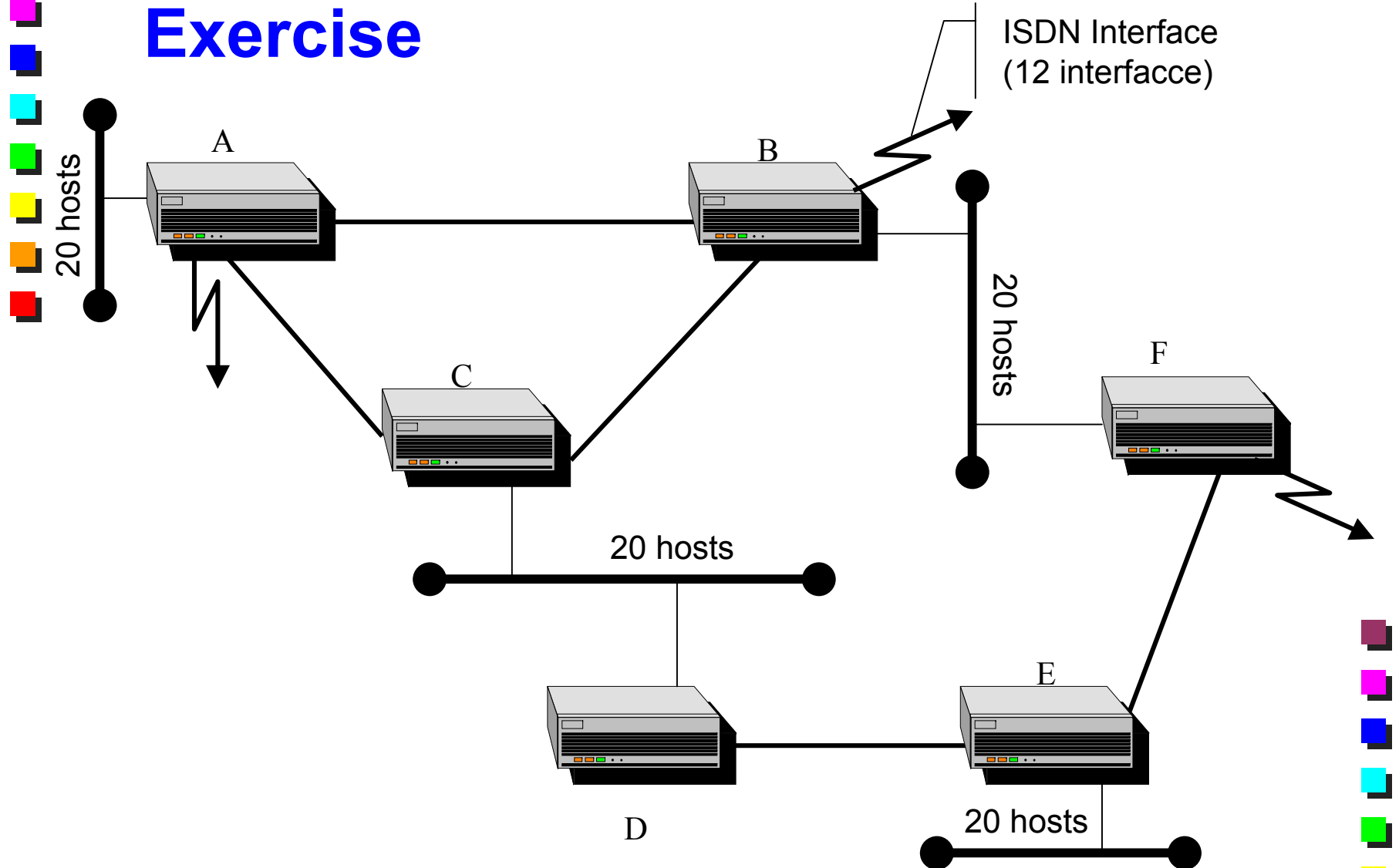
LIS and Netmask					Deployment
Binary Notation		Dotted decimal Notation			
<b>1111</b>	<b>1111.1111</b>	<b>1111.1111</b>	<b>1110.0000</b>	<b>0000</b>	LAN with 500 hosts
1010	1100.0001	0000.0000	0000.0000	0000	
<b>1111</b>	<b>1111.1111</b>	<b>1111.1111</b>	<b>1111.0000</b>	<b>0000</b>	LAN with 250 hosts
1010	1100.0001	0000.0000	0010.0000	0000	
1010	1100.0001	0000.0000	0011.0000	0000	
1010	1100.0001	0000.0000	0100.0000	0000	
<b>1111</b>	<b>1111.1111</b>	<b>1111.1111</b>	<b>1111.1111</b>	<b>0000</b>	ISDN Network
1010	1100.0001	0000.1111	1111.0000	0000	
<b>1111</b>	<b>1111.1111</b>	<b>1111.1111</b>	<b>1111.1111</b>	<b>1100</b>	Point-to-point Links
1010	1100.0001	0000.1111	1110.0000	0000	
1010	1100.0001	0000.1111	1110.0000	0100	
1010	1100.0001	0000.1111	1110.0000	1000	
1010	1100.0001	0000.1111	1110.0000	1100	
1010	1100.0001	0000.1111	1110.0001	0000	

# Class B Prefix with Variable Netmasks





# Exercise

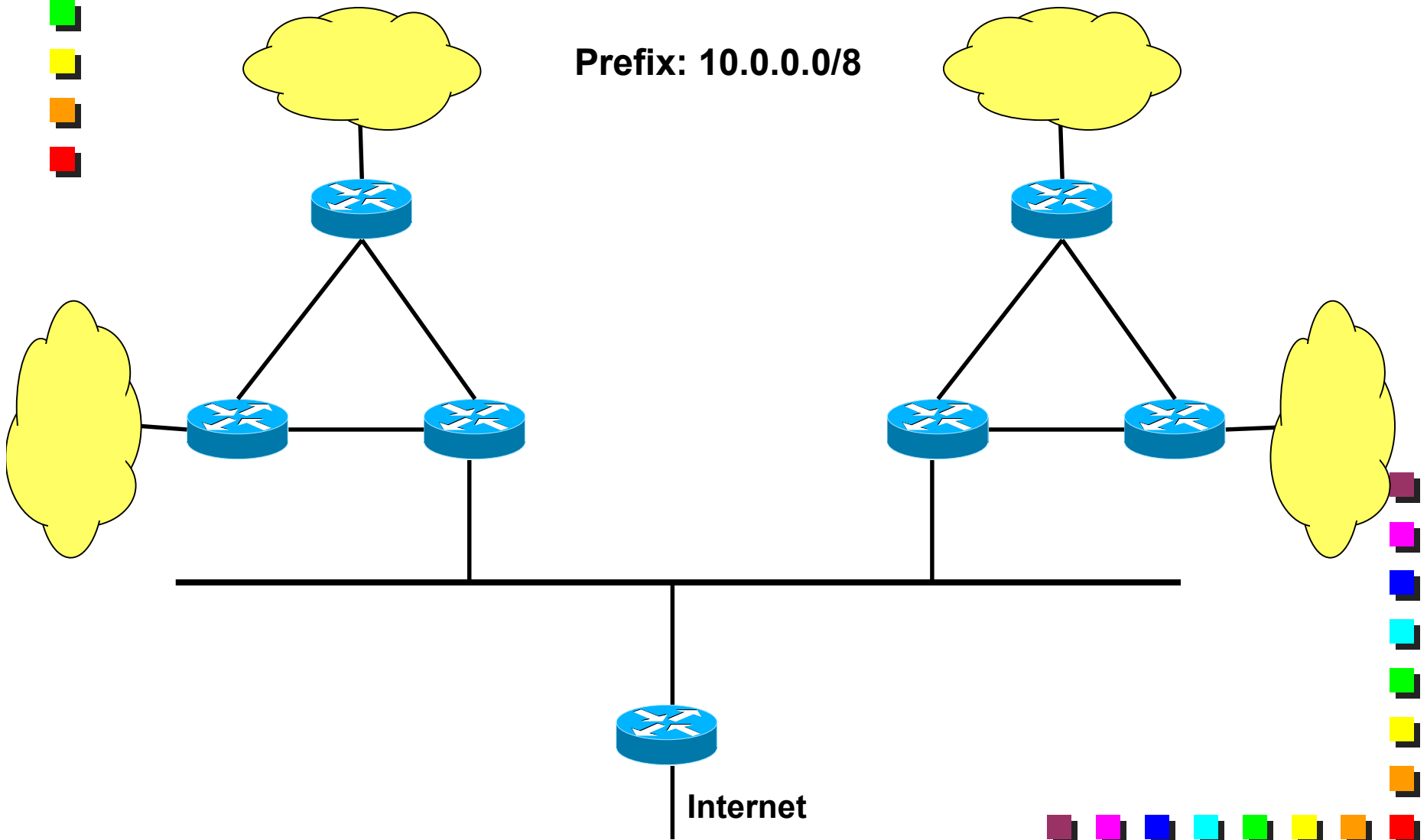


Design an IP address plan deploying the smallest possible address space



# Exercise: Aggregatable Addresses

Prefix: 10.0.0.0/8



# Exercise: Aggregatable Addresses

