



Addressing Plan Design

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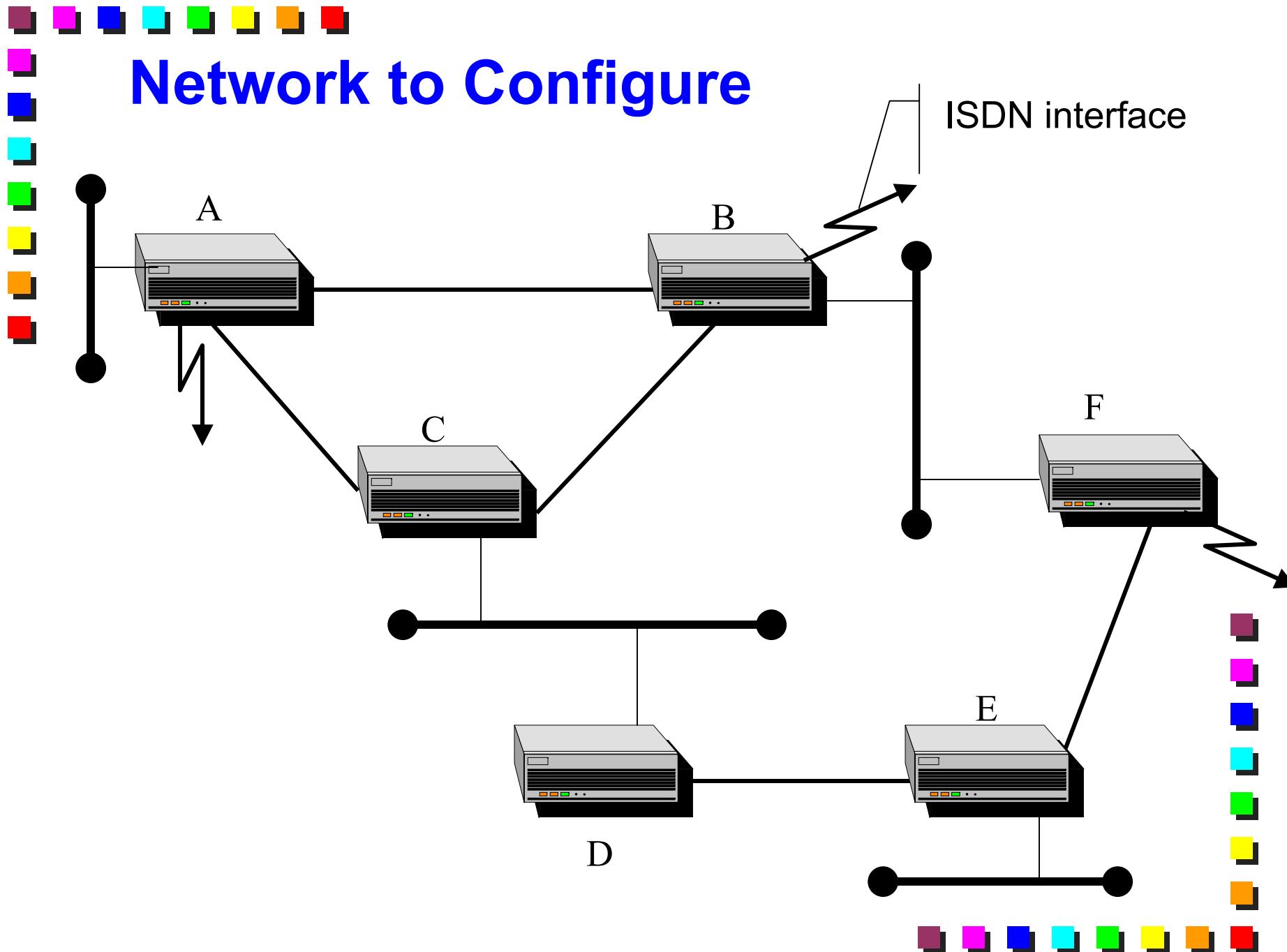
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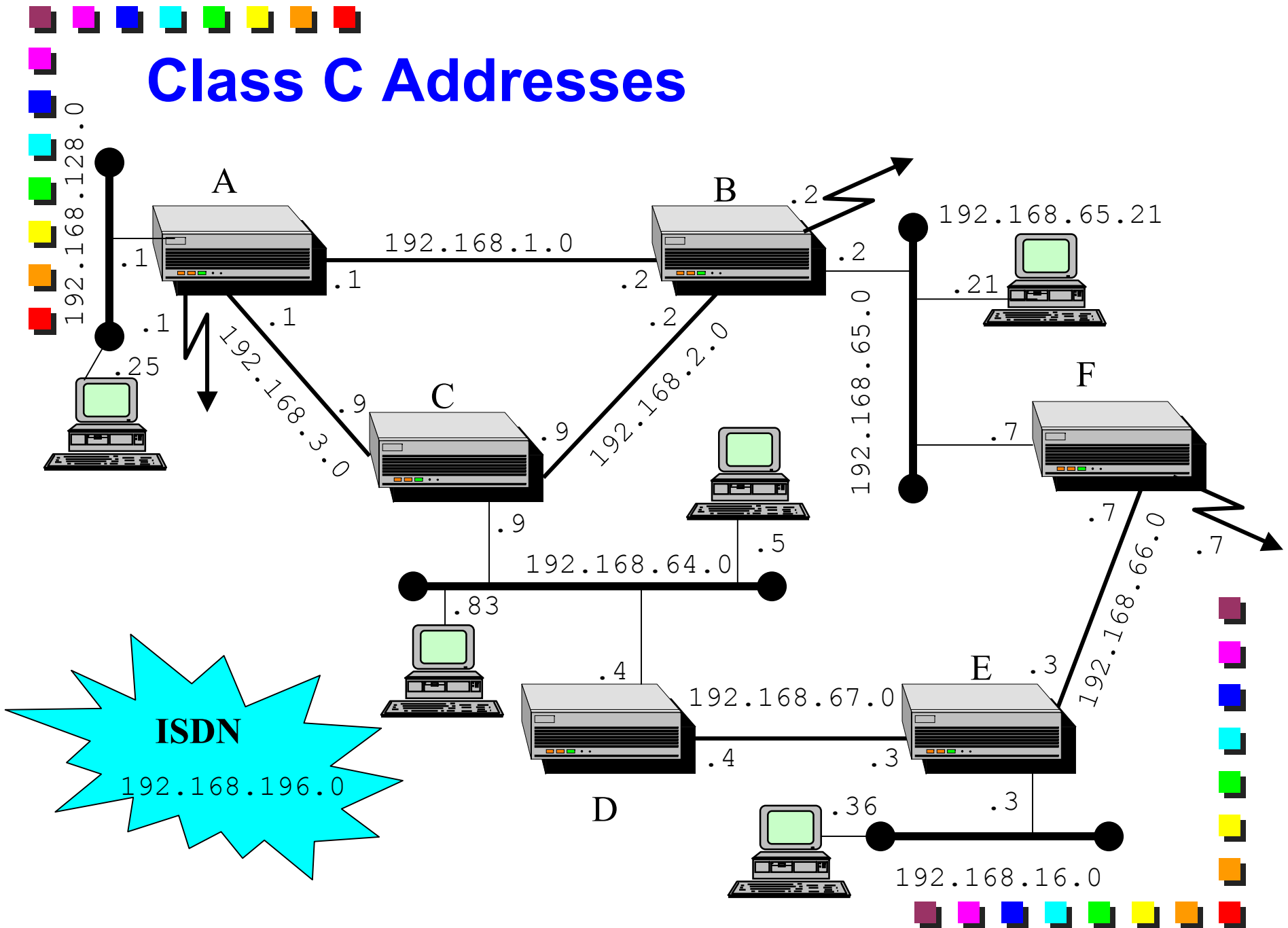
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Network to Configure

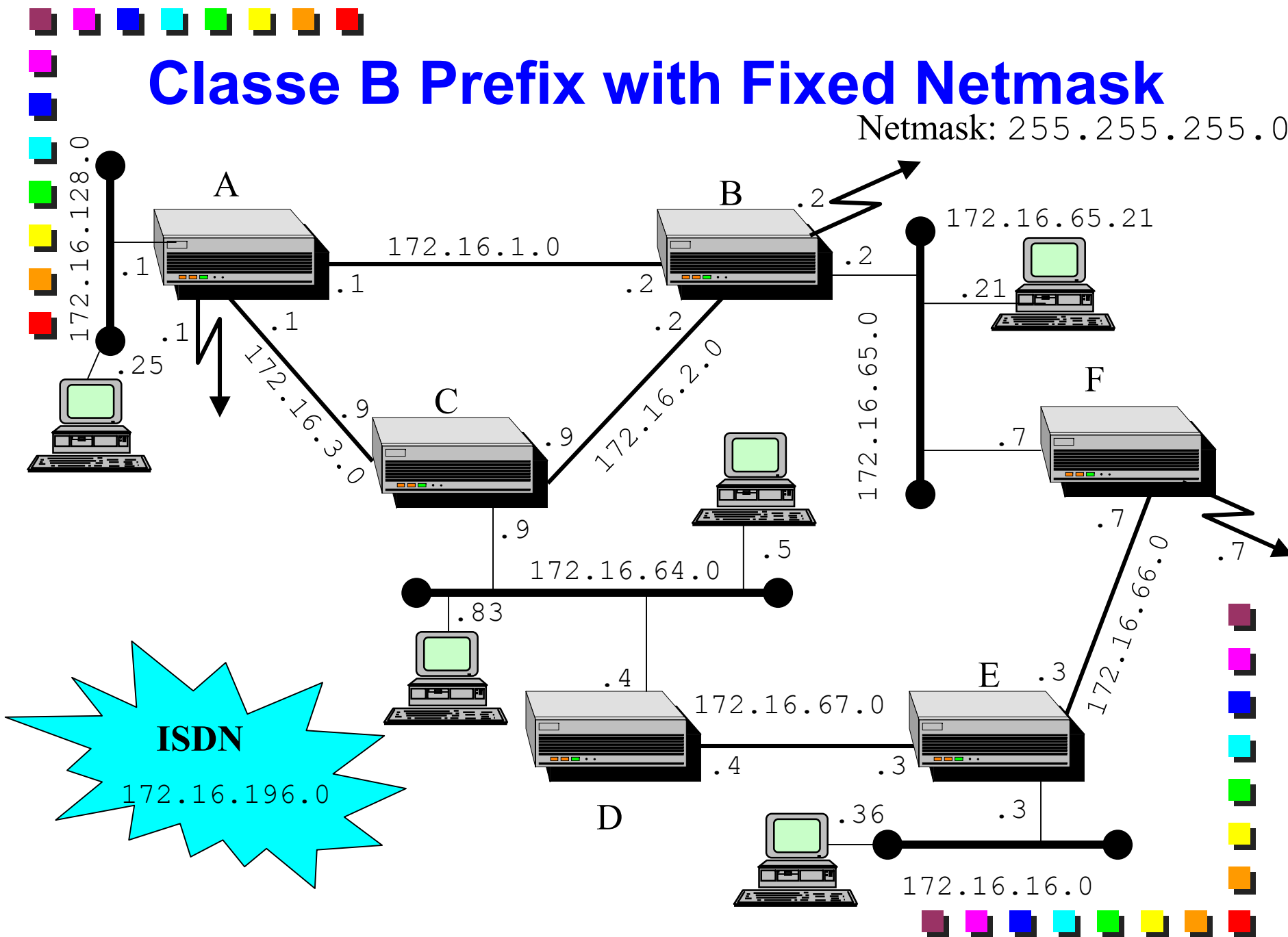


Class C Addresses

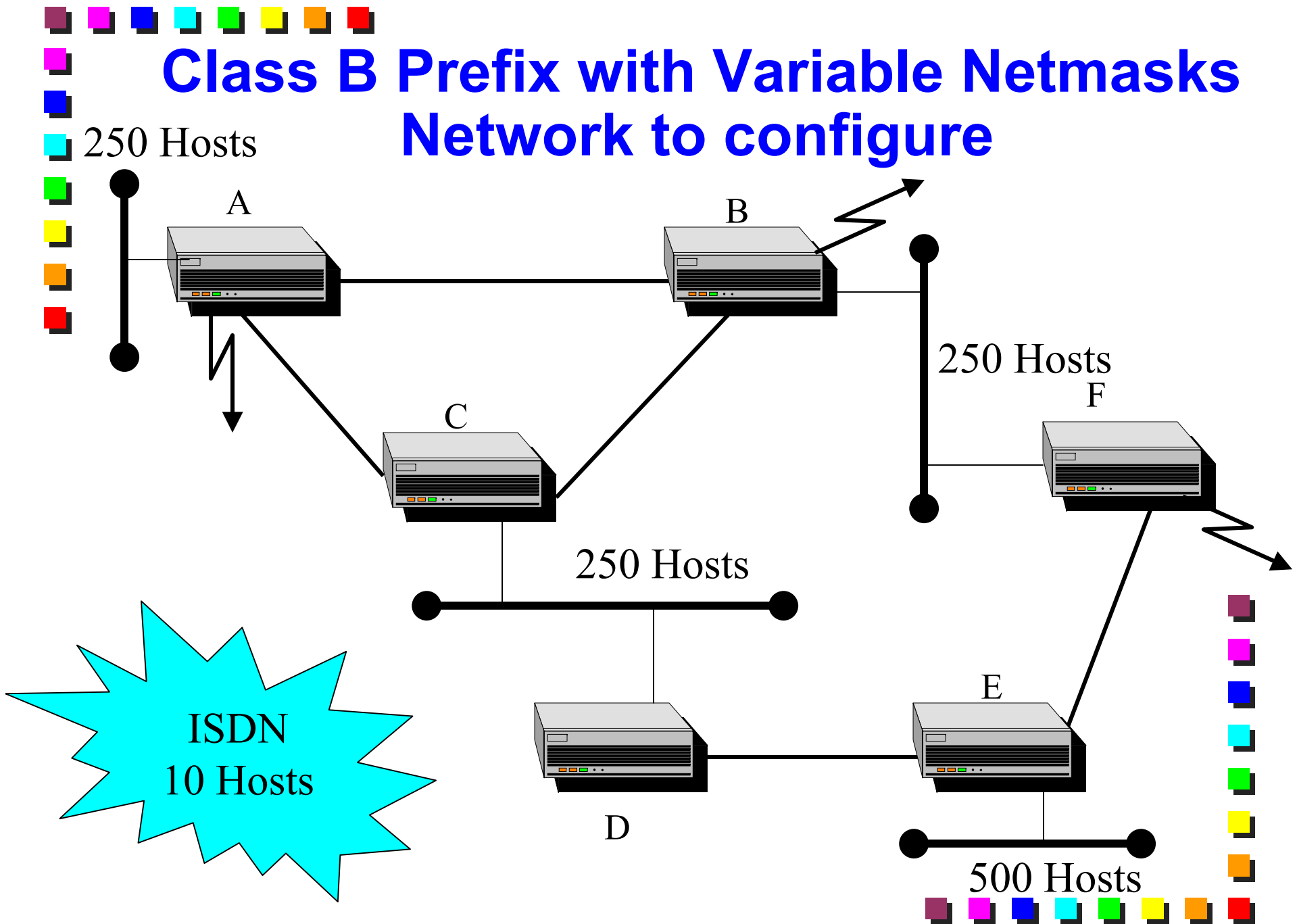


Classe B Prefix with Fixed Netmask

Netmask: 255.255.255.0



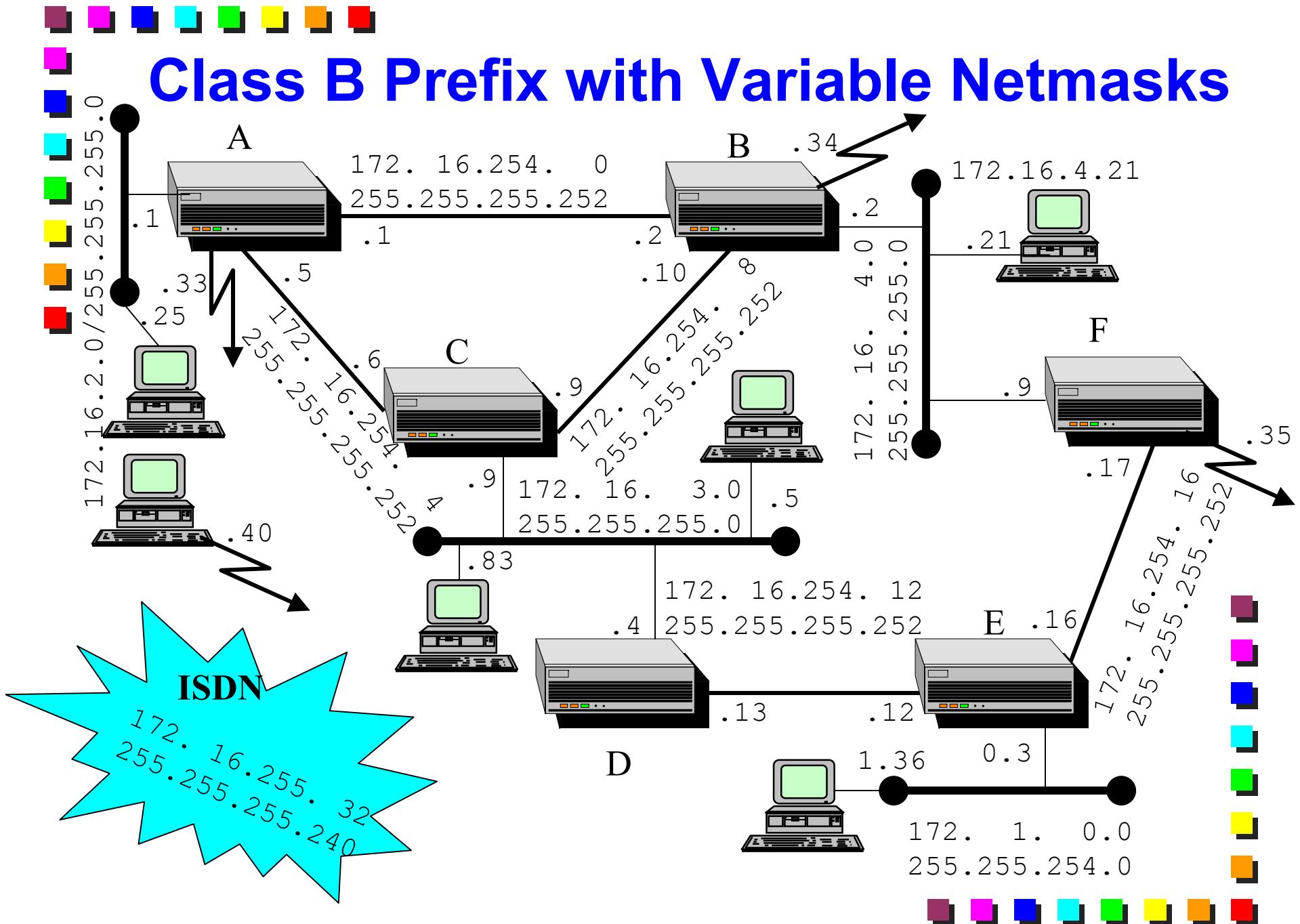
Class B Prefix with Variable Netmasks Network to configure



Network Prefix Choice

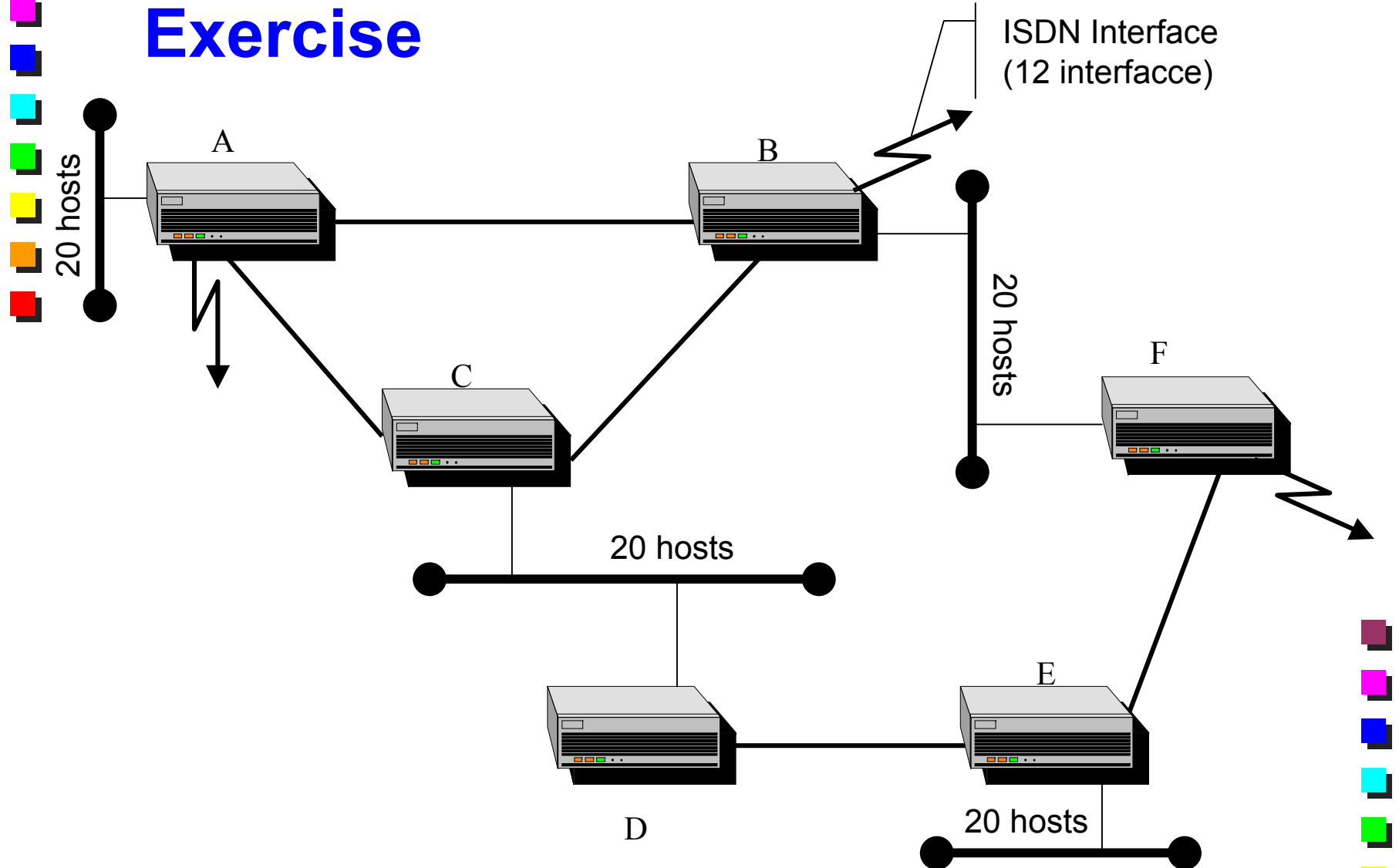
LIS and Netmask					Deployment
Binary Notation		Dotted decimal Notation			
1111	1111.1111	1111.1111	1110.0000	0000	LAN with 500 hosts
1010	1100.0001	0000.0000	0000.0000	0000	
1111	1111.1111	1111.1111	1111.0000	0000	LAN with 250 hosts
1010	1100.0001	0000.0000	0010.0000	0000	
1010	1100.0001	0000.0000	0011.0000	0000	
1010	1100.0001	0000.0000	0100.0000	0000	
1111	1111.1111	1111.1111	1111.1111	0000	ISDN Network
1010	1100.0001	0000.1111	1111.0000	0000	
1111	1111.1111	1111.1111	1111.1111	1100	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

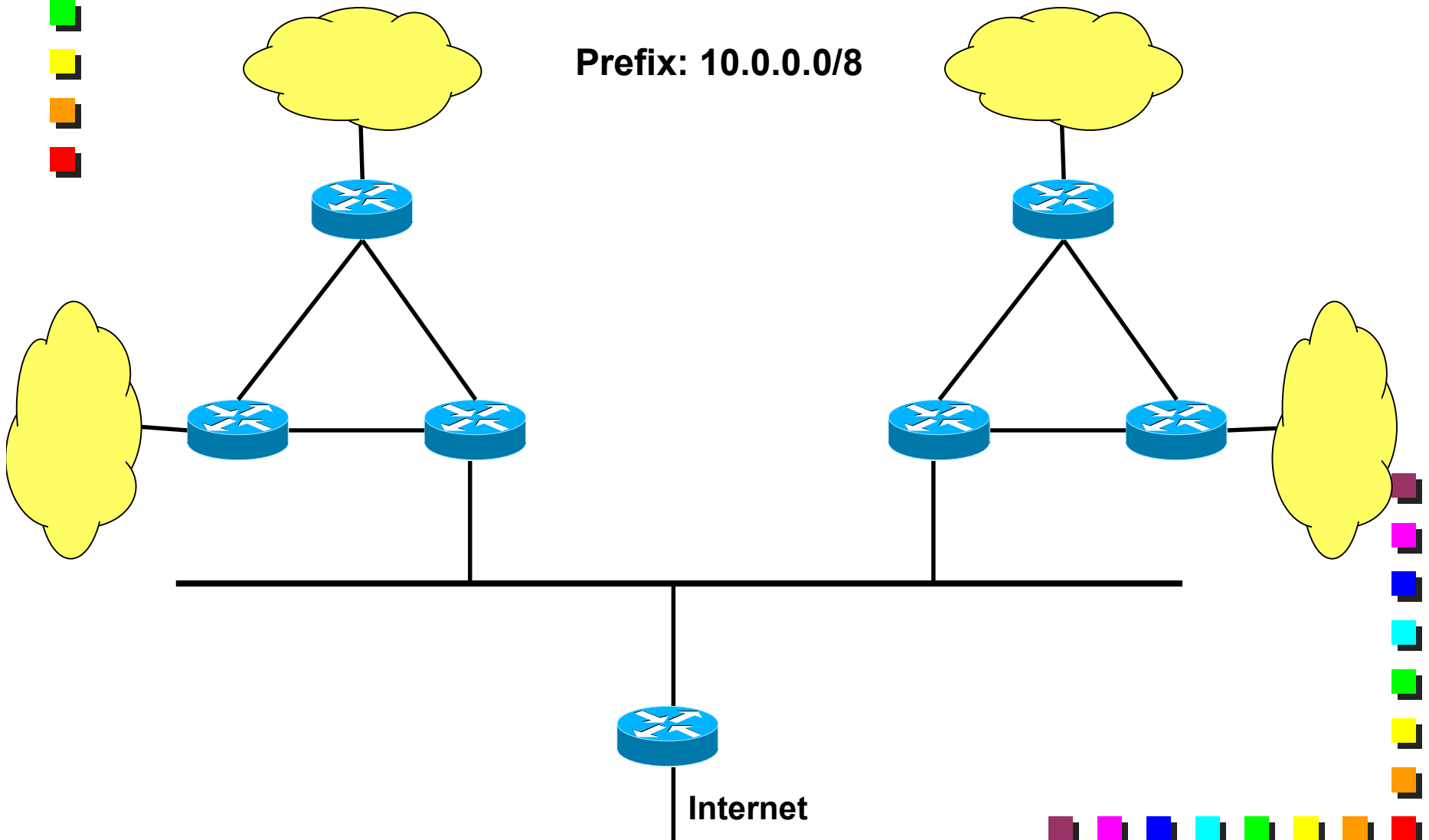


Design an IP address plan deploying the smallest possible address space



Exercise: Aggregatable Addresses

Prefix: 10.0.0.0/8



Exercise: Aggregatable Addresses

