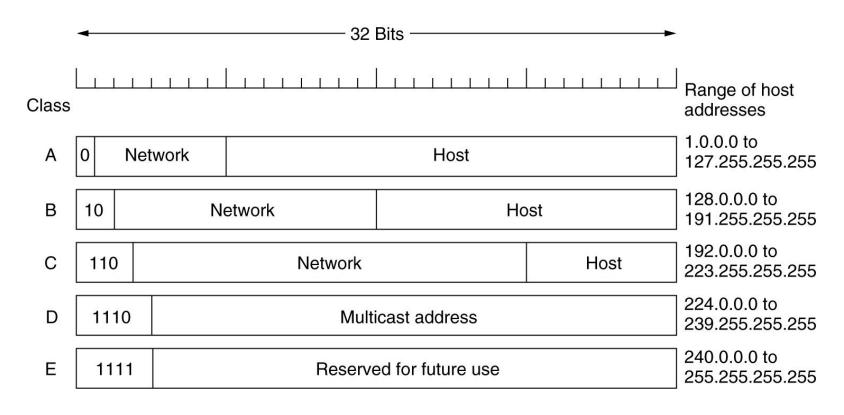
Classful Addressing



	subnet part	host part	# of networks	# of hosts
Class A	8 bits	24 bits	128	16 M
Class B	16 bits	16 bits	16,384	64 K
Class C	24 bits	8 bits	2 M	256

Examples of Subnet Mask

```
• /24
  = 11111111 11111111 11111111 00000000
  = 255.255.255.0
• /22
  = 11111111 11111111 11111100 00000000
  = 255.255.252.0
/28
  = 11111111 11111111 11111111 11110000
  = 255, 255, 255, 240
```

How to use subnet mask?

Local Forwarding Table

Destination Address	Output Link	
10.1.1.0/24	1	
10.1.2.0/24	2	
10.1.3.0/24	3	

 When receiving a datagram with destination address 10.1.2.6, the router computes the following:

Match 10.1.2.0/24
 So this datagram shall be forwarded to Link 2.