Binary Prefix	Type Of Address	Fraction Of Address Space
0000 0000	Reserved (IPv4 compatibility)	1/256
0000 0001	Unassigned	1/256
0000 001	NSAP Addresses	1/128
0000 01	Unassigned	1/64
0000 1	Unassigned	1/32
0001	Unassigned	1/16
001	Global Unicast	1/8
010	Unassigned	1/8
011	Unassigned	1/8
100	Unassigned	1/8
101	Unassigned	1/8
110	Unassigned	1/8
1110	Unassigned	1/16
1111 0	Unassigned	1/32
1111 10	Unassigned	1/64
1111 110	Unassigned	1/128
1111 1110 0	Unassigned	1/512
1111 1110 10	Link-Local Unicast Addresses	1/1024
1111 1110 11	IANA - Reserved	1/1024
1111 1111	Multicast Addresses	1/256

Figure 5.11 Prefixes used to divide the IPv6 address space into blocks and the purpose of each block.