

Solution to Selected exercises in chapter 22:

P.22.3 note: change site local address to unique local unicast address.

~~site~~ unique local unicast address: FC00::123/48

P.22.5

- a) 0000:0000:0000:0000:0000:0000:0000:0002
- b) 0000:0023:0000:0000:0000:0000:0000:0000
- c) 0000:000A:0000:0000:0000:0000:0000:0003

P.22.8

- a) 0000:0000:0000:0000:5555:5555:5555:5555
- b) 0000:0000:0000:0000:AAAA:AAAA:AAAA:AAAA
- c) 5555:5555:5555:5555:5555:5555:5555:5555
- d) 7777:7777:7777:7777:7777:7777:7777:7777

P.22.9 ::129.6.12.34/128

P.22.13 :

- a) 0:FFFF:FFFF::
- b) 1234:2346:3456::FFFF
- c) 0:1::FFFF:1200:1000
- d) ::FFFF:FFFF:24.123.12.6

P.22.14. We assume the subnet identifier start from $(0000)_{16}$

- a) 2000:1110:1287:0002/64
- b) F7A9:23FF:FE14:7AD2
- c) 2000:1110:1287:0002; F7A9.23FF; FE14:7AD2

P.22.15 . assume subnet identifier to start from $(0000)_{16}$

a) first $2000 : 1234 : 1423 : 0000 / 64$

b) second $2000 : 1234 : 1423 : 0001 / 64$

P.22.18 . a) $0000 : 0000 : 0000 : 0000 : 0000 : 0000 : 0000 : 2222$

b) $1111 : 0000 : 0000 : 0000 : 0000 : 0000 : 0000 : 0000$

c) $000B : 000A ; 000C ; 0000 : 0000 : 0000 : 1234 : 000A$

P.22.19 $:::01/128$

P.22.20 $FE80:::123/48$