
CHAPTER 7

ARP and RARP

7.1 MULTIPLE-CHOICE QUESTIONS

1. d 2. a 3. b 4. a 5. a 6. a 7. d 8. a 9. c 10. b
11. c 12. d 13. b 14. c

7.2 EXERCISES

15. The size of an ARP packet is variable, depending on the length of the logical and physical addresses used.
16. The size of a RARP packet is variable, depending on the length of the logical and physical addresses used.
17. 28 bytes.
18. 28 bytes.
19. 72 bytes (with required padding). This includes 8 bytes of preamble and SFD.
20. 72 bytes (with required padding). This includes 8 bytes of preamble and SFD.
21. 0xFFFFFFFFFFFF
22. See Figure 7.1.
23. See Figure 7.2.
24. See Figure 7.3.
25. See Figure 7.4.
26. See Figure 7.5.
27. See Figure 7.6.
28. See Figure 7.7.
29. See Figure 7.8.
30. See Figure 7.9.
31. See Figure 7.10.

Figure 7.1 Exercise 22

1		0x0800
6	4	1
0x2345AB4F		
0x67CD		125.45
23.12		0x0000
0x00000000		
125.11.78.10		

Figure 7.2 Exercise 23

1		0x0800
6	4	2
0x2345AB4F		
0x67CD		125.45
23.12		0xAABB
0xA24F67CD		
125.11.78.10		

Figure 7.3 Exercise 24

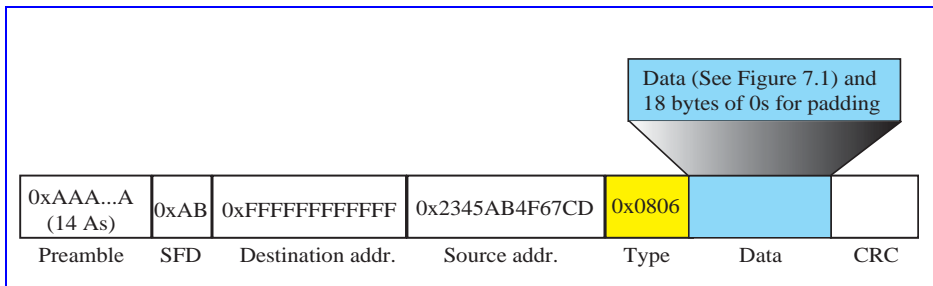


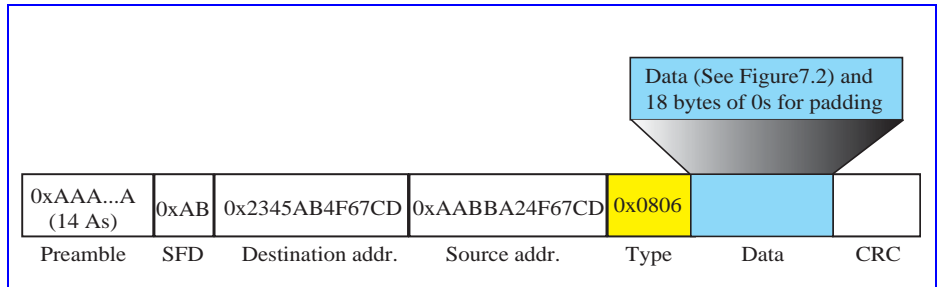
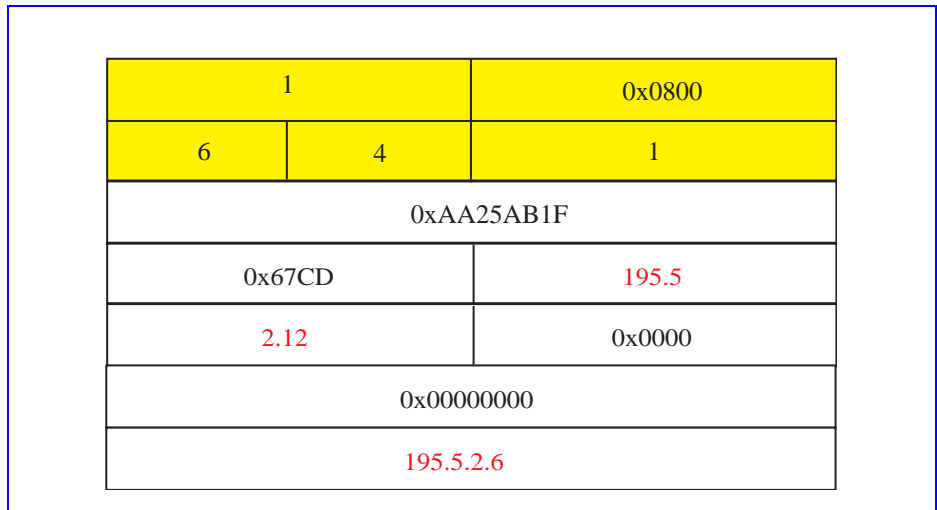
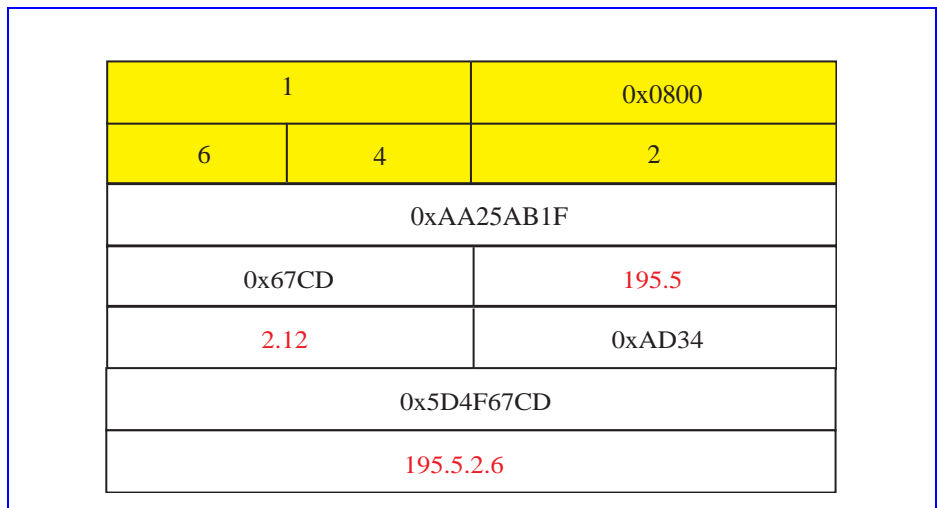
Figure 7.4 Exercise 25**Figure 7.5** Exercise 26**Figure 7.6** Exercise 27

Figure 7.7 Exercise 28

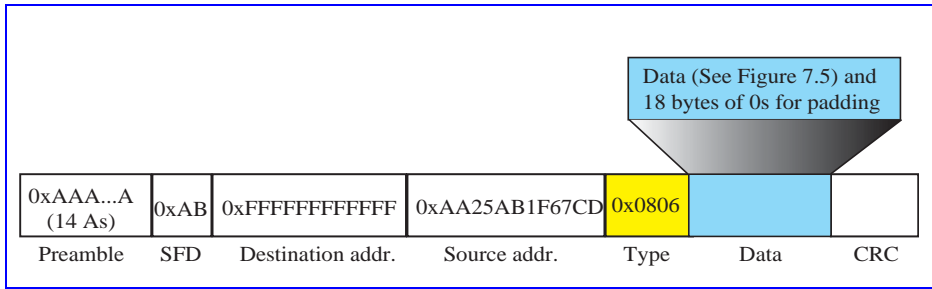


Figure 7.8 Exercise 29

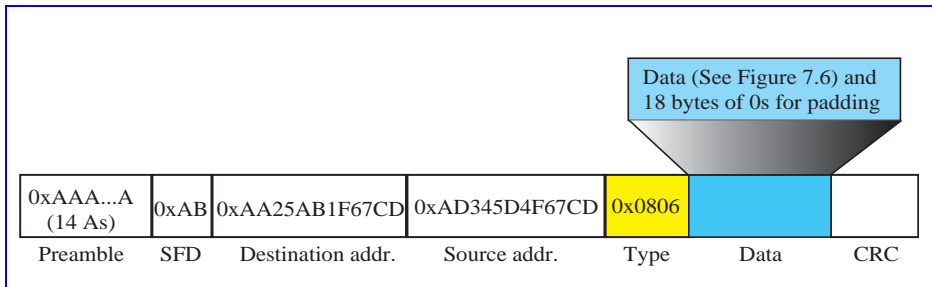
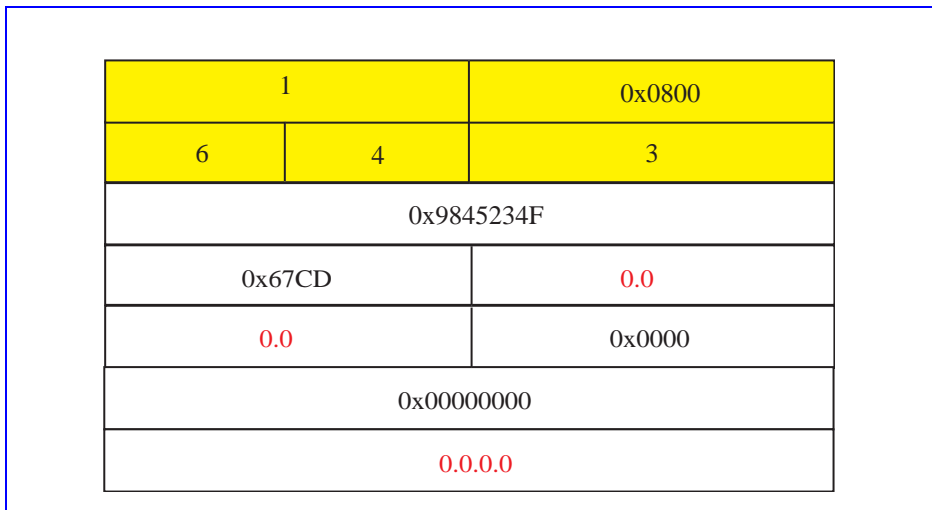


Figure 7.9 Exercise 30

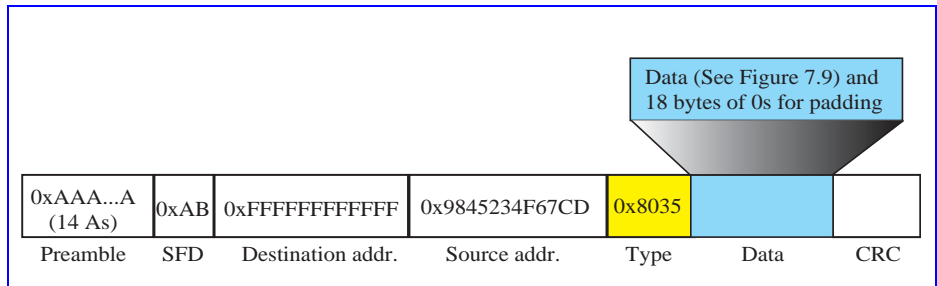


32. See Figure 7.11.

33. See Figure 7.12

Figure 7.10 Exercise 31

1		0x0800
6	4	4
0x9845234F		
0x67CD		200.67
89.33	0xAAA3	
0x1D4F67CD		
200.67.89.7		

Figure 7.11 Exercise 32**Figure 7.12** Exercise 33