18. Indirect

23. 111.20.18.14; interface m0

31. See Table 6.2. The interface to the network 111.0.0.0 is m0; the interface to the network 192.16.7.0 is m1.

Table 6.2 *Exercise 31*

Mask	Destination	Next Hop	F.	R.C.	U.	I.
255.0.0.0	111.0.0.0		U	0	0	
255.255.255.0	192.16.7.0		U	0	0	
255.255.255.255	194.17.21.16	192.16.7.52	UGH	0	0	
255.255.255.0	193.14.5.0	111.25.19.20	UG	0	0	
255.255.255.0	194.17.21.0	192.16.7.52	UG	0	0	
0.0.0.0	0.0.0.0	111.30.31.18	UG	0	0	

41. See Table 6.11.

Table 6.11 *Exercise 41*

Destination	Next Hop	F.	R.C.	U.	I.
111.0.0.0/8	-	U	0	0	m0
193.14.5.160/27	-	U	0	0	m2
193.14.5.192/27	-	U	0	0	m1
194.17.21.16/32	111.20.18.14	UGH	0	0	m0
192.16.7.0/24	111.15.17.32	UG	0	0	m0
194.17.21.0/24	111.20.18.14	UG	0	0	m0
0.0.0.0/0	111.30.31.18	UG	0	0	m0