

```
1 *****
3
4 #Maria
5 config t
6 int fa0/0
7 ip address 192.168.12.1 255.255.255.0
8 no shut
9 exit
10 exit
11 sh ip int br
12 config t
13
14 #Jim
15 config t
16 int fa0/0
17 ip address 192.168.12.2 255.255.255.0
18 no shut
19 exit
20 int fa1/0
21 ip address 192.168.23.2 255.255.255.0
22 no shut
23 exit
24 int fa2/0
25 ip address 192.168.24.2 255.255.255.0
26 no shut
27 exit
28 sh ip int br
29 config t
30
31 #Jack
32 config t
33 int fa0/0
34 ip address 192.168.23.3 255.255.255.0
35 no shut
36 exit
37 int fa1/0
38 ip address 192.168.35.3 255.255.255.0
39 no shut
40 exit
41 exit
42 sh ip int br
43 config t
44
45 #James
46 config t
47 int fa0/0
48 ip address 192.168.24.4 255.255.255.0
49 no shut
50 exit
51 int fa1/0
52 ip address 192.168.45.4 255.255.255.0
53 no shut
54 exit
55 exit
56 sh ip int br
57 config t
58
59 #John
60 config t
61 int fa0/0
62 ip address 192.168.35.5 255.255.255.0
63 no shut
64 exit
```

```
65 int fa1/0
66 ip address 192.168.45.5 255.255.255.0
67 no shut
68 exit
69 int fa2/0
70 ip address 192.168.56.5 255.255.255.0
71 no shut
72 exit
73 exit
74 sh ip int br
75 config t
76
77 #Emma
78 config t
79 int fa0/0
80 ip address 192.168.56.6 255.255.255.0
81 no shut
82 exit
83 int loopback 0
84 ip address 6.6.6.6 255.255.255.0
85 exit
86 exit
87 sh ip int br
88 config t
89
90 #copy run start
91 #copy running-config startup-config
92 *****
```

```
94
95 #Maria (->Jim)
96 router bgp 1
97 neighbor 192.168.12.2 remote-as 2
98 exit
99
100 #Jim (->Maria)
101 router bgp 2
102 neighbor 192.168.12.1 remote-as 1
103 exit
104
105 #John (->Emma)
106 router bgp 2
107 neighbor 192.168.56.6 remote-as 3
108 exit
109
110 #Emma(->John)
111 router bgp 3
112 neighbor 192.168.56.5 remote-as 2
113 network 6.6.6.0 mask 255.255.255.0
114 exit
115
116 $$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
117 #John
118 exit
119 sh ip bgp
120 sh ip bgp sum
121 config t
122 @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
123 *****
```

```
125
126 #Jim
127 router ospf 1
128 network 192.168.23.0 0.0.0.255 area 0
```



```
193 sh ip bgp
194 #sh ip bgp sum
195 #sh ip ro bgp
196 #traceroute 6.6.6.6
197 config t
198 @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
199 *****
```

```
201
202 #Jack
203 router bgp 2
204 int loopback 0
205 ip address 3.3.3.3 255.255.255.0
206 router ospf 1
207 network 3.3.3.0 0.0.0.255 area 0
208 router bgp 2
209 neighbor 2.2.2.2 remote-as 2
210 neighbor 2.2.2.2 update-source loopback 0
211 exit
212
213 #James
214 router bgp 2
215 int loopback 0
216 ip address 4.4.4.4 255.255.255.0
217 router ospf 1
218 network 4.4.4.0 0.0.0.255 area 0
219 router bgp 2
220 neighbor 2.2.2.2 remote-as 2
221 neighbor 2.2.2.2 update-source loopback 0
222 exit
223
224 #Jim
225 router bgp 2
226 neighbor 3.3.3.3 remote-as 2
227 neighbor 3.3.3.3 update-source loopback 0
228 neighbor 4.4.4.4 remote-as 2
229 neighbor 4.4.4.4 update-source loopback 0
230 exit
231
232 $$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
233 #James
234 exit
235 sh ip bgp
236 config t
237
238 #Jack
239 exit
240 sh ip bgp
241 config t
242 @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
243 *****
```

```
245
246 #John (->Jack & James)
247 router bgp 2
248 neighbor 3.3.3.3 remote-as 2
249 neighbor 3.3.3.3 update-source loopback 0
250 neighbor 4.4.4.4 remote-as 2
251 neighbor 4.4.4.4 update-source loopback 0
252 exit
253
254 #James (->Jack & John)
255 router bgp 2
256 neighbor 3.3.3.3 remote-as 2
```



```
321 #Maria
322 ping 192.168.12.1
323 ping 192.168.12.2
324 ping 192.168.23.2
325 ping 192.168.23.3
326 ping 192.168.24.2
327 ping 192.168.24.4
328 ping 192.168.35.3
329 ping 192.168.35.5
330 ping 192.168.45.4
331 ping 192.168.45.5
332 ping 192.168.56.5
333 ping 192.168.56.6
334 ping 2.2.2.2
335 ping 3.3.3.3
336 ping 4.4.4.4
337 ping 5.5.5.5
338 ping 6.6.6.6
339
340 #Jim
341 ping 192.168.12.1
342 ping 192.168.12.2
343 ping 192.168.23.2
344 ping 192.168.23.3
345 ping 192.168.24.2
346 ping 192.168.24.4
347 ping 192.168.35.3
348 ping 192.168.35.5
349 ping 192.168.45.4
350 ping 192.168.45.5
351 ping 192.168.56.5
352 ping 192.168.56.6
353 ping 2.2.2.2
354 ping 3.3.3.3
355 ping 4.4.4.4
356 ping 5.5.5.5
357 ping 6.6.6.6
358
359 #Jack
360 ping 192.168.12.1
361 ping 192.168.12.2
362 ping 192.168.23.2
363 ping 192.168.23.3
364 ping 192.168.24.2
365 ping 192.168.24.4
366 ping 192.168.35.3
367 ping 192.168.35.5
368 ping 192.168.45.4
369 ping 192.168.45.5
370 ping 192.168.56.5
371 ping 192.168.56.6
372 ping 2.2.2.2
373 ping 3.3.3.3
374 ping 4.4.4.4
375 ping 5.5.5.5
376 ping 6.6.6.6
377
378 #John
379 ping 192.168.12.1
380 ping 192.168.12.2
381 ping 192.168.23.2
382 ping 192.168.23.3
383 ping 192.168.24.2
384 ping 192.168.24.4
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385 ping 192.168.35.3
386 ping 192.168.35.5
387 ping 192.168.45.4
388 ping 192.168.45.5
389 ping 192.168.56.5
390 ping 192.168.56.6
391 ping 2.2.2.2
392 ping 3.3.3.3
393 ping 4.4.4.4
394 ping 5.5.5.5
395 ping 6.6.6.6
396
397 #James
398 ping 192.168.12.1
399 ping 192.168.12.2
400 ping 192.168.23.2
401 ping 192.168.23.3
402 ping 192.168.24.2
403 ping 192.168.24.4
404 ping 192.168.35.3
405 ping 192.168.35.5
406 ping 192.168.45.4
407 ping 192.168.45.5
408 ping 192.168.56.5
409 ping 192.168.56.6
410 ping 2.2.2.2
411 ping 3.3.3.3
412 ping 4.4.4.4
413 ping 5.5.5.5
414 ping 6.6.6.6
415
416 #Emma
417 ping 192.168.12.1
418 ping 192.168.12.2
419 ping 192.168.23.2
420 ping 192.168.23.3
421 ping 192.168.24.2
422 ping 192.168.24.4
423 ping 192.168.35.3
424 ping 192.168.35.5
425 ping 192.168.45.4
426 ping 192.168.45.5
427 ping 192.168.56.5
428 ping 192.168.56.6
429 ping 2.2.2.2
430 ping 3.3.3.3
431 ping 4.4.4.4
432 ping 5.5.5.5
433 ping 6.6.6.6
434
435 -----
```