		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A])	
1	ifeq 22		
4	iload 2		
5	ifeq 12		
8	aload 3		
9	goto 14		
12	aload 4		

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A])	
4	iload 2		
5	ifeq 12		
8	aload 3		
9	goto 14		
12	aload 4		

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
4	iload 2	([], [E,b,b,C1,C2,A])	
5	ifeq 12		
8	aload 3		
9	goto 14		
12	aload 4		

		IN	OUT
14	astore 3		
15	aload 5		
17	astore 4		
19	goto 0		
22	aload 3	([], [E,b,b,C1,C2,A])	
23	areturn		

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
4	iload 2	([], [E,b,b,C1,C2,A])	
5	ifeq 12		
8	aload 3		
9	goto 14		
12	aload 4		

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
4	iload 2	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A])	
8	aload 3		
9	goto 14		
12	aload 4		

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
4	iload 2	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
8	aload 3	([], [E,b,b,C1,C2,A])	
9	goto 14		
12	aload 4	([], [E,b,b,C1,C2,A])	

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
4	iload 2	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
8	aload 3	([], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
9	goto 14	([C1], [E,b,b,C1,C2,A])	
12	aload 4	([], [E,b,b,C1,C2,A])	

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
4	iload 2	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
8	aload 3	([], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
9	goto 14	([C1], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
12	aload 4	([], [E,b,b,C1,C2,A])	

		IN	OUT
14	astore 3	([C1], [E,b,b,C1,C2,A])	
15	aload 5		
17	astore 4		
19	goto 0		
22	aload 3	([], [E,b,b,C1,C2,A])	
23	areturn		

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
4	iload 2	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
8	aload 3	([], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
9	goto 14	([C1], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
12	aload 4	([], [E,b,b,C1,C2,A])	

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
4	iload 2	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
8	aload 3	([], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
9	goto 14	([C1], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
12	aload 4	([], [E,b,b,C1,C2,A])	([C2], [E,b,b,C1,C2,A])

		IN	OUT
14	`astore 3`	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,C1,C2,A])	-
15	`aload 5`		
17	`astore 4`		
19	`goto 0`		
22	`aload 3`	([], [E,b,b,C1,C2,A])	
23	`areturn`		

		IN	OUT
14	`astore 3`	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,C1,C2,A])	- ([], [E,b,b,B,C2,A])
15	`aload 5`	([], [E,b,b,B,C2,A])	
17	`astore 4`		
19	`goto 0`		
22	`aload 3`	([], [E,b,b,C1,C2,A])	
23	`areturn`		

		IN	OUT
14	`astore 3`	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,C1,C2,A])	- ([], [E,b,b,B,C2,A])
15	`aload 5`	([], [E,b,b,B,C2,A])	([A], [E,b,b,B,C2,A])
17	`astore 4`	([A], [E,b,b,B,C2,A])	
19	`goto 0`		
22	`aload 3`	([], [E,b,b,C1,C2,A])	
23	`areturn`		

		IN	OUT
14	astore 3	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,C1,C2,A])	- ([], [E,b,b,B,C2,A])
15	aload 5	([], [E,b,b,B,C2,A])	([A], [E,b,b,B,C2,A])
17	astore 4	([A], [E,b,b,B,C2,A])	([], [E,b,b,B,A,A])
19	goto 0	([], [E,b,b,B,A,A])	
22	aload 3	([], [E,b,b,C1,C2,A])	
23	areturn		

		IN	OUT
14	`astore 3`	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,C1,C2,A])	- ([], [E,b,b,B,C2,A])
15	`aload 5`	([], [E,b,b,B,C2,A])	([A], [E,b,b,B,C2,A])
17	`astore 4`	([A], [E,b,b,B,C2,A])	([], [E,b,b,B,A,A])
19	`goto 0`	([], [E,b,b,B,A,A])	([], [E,b,b,B,A,A])
22	`aload 3`	([], [E,b,b,C1,C2,A])	
23	`areturn`		

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
4	iload 2	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
8	aload 3	([], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
9	goto 14	([C1], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
12	aload 4	([], [E,b,b,C1,C2,A])	([C2], [E,b,b,C1,C2,A])

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([b], [E,b,b,C1,C2,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
4	iload 2	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
8	aload 3	([], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
9	goto 14	([C1], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
12	aload 4	([], [E,b,b,C1,C2,A])	([C2], [E,b,b,C1,C2,A])

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])	([], [E,b,b,C1,C2,A])
4	iload 2	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
8	aload 3	([], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
9	goto 14	([C1], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
12	aload 4	([], [E,b,b,C1,C2,A])	([C2], [E,b,b,C1,C2,A])

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])
4	iload 2	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([b], [E,b,b,C1,C2,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
8	aload 3	([], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
9	goto 14	([C1], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
12	aload 4	([], [E,b,b,C1,C2,A])	([C2], [E,b,b,C1,C2,A])

		IN	OUT
14	astore 3	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,C1,C2,A])	- ([], [E,b,b,B,C2,A])
15	aload 5	([], [E,b,b,B,C2,A])	([A], [E,b,b,B,C2,A])
17	astore 4	([A], [E,b,b,B,C2,A])	([], [E,b,b,B,A,A])
19	goto 0	([], [E,b,b,B,A,A])	([], [E,b,b,B,A,A])
22	aload 3	([], [E,b,b,C1,C2,A])	
23	areturn		

		IN	OUT
14	astore 3	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,C1,C2,A])	- ([], [E,b,b,B,C2,A])
15	aload 5	([], [E,b,b,B,C2,A])	([A], [E,b,b,B,C2,A])
17	astore 4	([A], [E,b,b,B,C2,A])	([], [E,b,b,B,A,A])
19	goto 0	([], [E,b,b,B,A,A])	([], [E,b,b,B,A,A])
22	aload 3	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	
23	areturn		

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])
4	iload 2	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([b], [E,b,b,C1,C2,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
8	aload 3	([], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
9	goto 14	([C1], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
12	aload 4	([], [E,b,b,C1,C2,A])	([C2], [E,b,b,C1,C2,A])

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])
4	iload 2	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])	([], [E,b,b,C1,C2,A])
8	aload 3	([], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
9	goto 14	([C1], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
12	aload 4	([], [E,b,b,C1,C2,A])	([C2], [E,b,b,C1,C2,A])

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])
4	iload 2	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])
8	aload 3	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([C1], [E,b,b,C1,C2,A])
9	goto 14	([C1], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
12	aload 4	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([C2], [E,b,b,C1,C2,A])

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])
4	iload 2	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])
8	aload 3	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])
9	goto 14	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])	([C1], [E,b,b,C1,C2,A])
12	aload 4	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([C2], [E,b,b,C1,C2,A])

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])
4	iload 2	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])
8	aload 3	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])
9	goto 14	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])
12	aload 4	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([C2], [E,b,b,C1,C2,A])

		IN	OUT
14	astore 3	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,C1,C2,A])	- ([], [E,b,b,B,C2,A])
15	aload 5	([], [E,b,b,B,C2,A])	([A], [E,b,b,B,C2,A])
17	astore 4	([A], [E,b,b,B,C2,A])	([], [E,b,b,B,A,A])
19	goto 0	([], [E,b,b,B,A,A])	([], [E,b,b,B,A,A])
22	aload 3	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	
23	areturn		

		IN	OUT
14	`astore 3`	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])	- ([], [E,b,b,B,C2,A])
15	`aload 5`	([], [E,b,b,B,C2,A])	([A], [E,b,b,B,C2,A])
17	`astore 4`	([A], [E,b,b,B,C2,A])	([], [E,b,b,B,A,A])
19	`goto 0`	([], [E,b,b,B,A,A])	([], [E,b,b,B,A,A])
22	`aload 3`	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	
23	`areturn`		

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])
4	iload 2	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])
8	aload 3	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])
9	goto 14	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])
12	aload 4	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([C2], [E,b,b,C1,C2,A])

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])
4	iload 2	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])
8	aload 3	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])
9	goto 14	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])
12	aload 4	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([C2], [E,b,b,C1,C2,A]) ([A], [E,b,b,B,A,A])

		IN	OUT
14	astore 3	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])	- ([], [E,b,b,B,C2,A])
15	aload 5	([], [E,b,b,B,C2,A])	([A], [E,b,b,B,C2,A])
17	astore 4	([A], [E,b,b,B,C2,A])	([], [E,b,b,B,A,A])
19	goto 0	([], [E,b,b,B,A,A])	([], [E,b,b,B,A,A])
22	aload 3	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	
23	areturn		

		IN	OUT
14	`astore 3`	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A]) ([A], [E,b,b,B,A,A])	- ([], [E,b,b,B,C2,A])
15	`aload 5`	([], [E,b,b,B,C2,A])	([A], [E,b,b,B,C2,A])
17	`astore 4`	([A], [E,b,b,B,C2,A])	([], [E,b,b,B,A,A])
19	`goto 0`	([], [E,b,b,B,A,A])	([], [E,b,b,B,A,A])
22	`aload 3`	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	
23	`areturn`		

		IN	OUT
14	`astore 3`	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A]) ([A], [E,b,b,B,A,A])	- ([], [E,b,b,B,C2,A]) - ([], [E,b,b,A,A,A])
15	`aload 5`	([], [E,b,b,B,C2,A]) ([], [E,b,b,A,A,A])	([A], [E,b,b,B,C2,A])
17	`astore 4`	([A], [E,b,b,B,C2,A])	([], [E,b,b,B,A,A])
19	`goto 0`	([], [E,b,b,B,A,A])	([], [E,b,b,B,A,A])
22	`aload 3`	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	
23	`areturn`		

		IN	OUT
14	`astore 3`	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A]) ([A], [E,b,b,B,A,A])	- ([], [E,b,b,B,C2,A]) - ([], [E,b,b,A,A,A])
15	`aload 5`	([], [E,b,b,B,C2,A]) ([], [E,b,b,A,A,A])	([A], [E,b,b,B,C2,A]) ([A], [E,b,b,A,A,A])
17	`astore 4`	([A], [E,b,b,B,C2,A]) ([A], [E,b,b,A,A,A])	([], [E,b,b,B,A,A])
19	`goto 0`	([], [E,b,b,B,A,A])	([], [E,b,b,B,A,A])
22	`aload 3`	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	
23	`areturn`		

		IN	OUT
14	`astore 3`	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A]) ([A], [E,b,b,B,A,A])	- ([], [E,b,b,B,C2,A]) - ([], [E,b,b,A,A,A])
15	`aload 5`	([], [E,b,b,B,C2,A]) ([], [E,b,b,A,A,A])	([A], [E,b,b,B,C2,A]) ([A], [E,b,b,A,A,A])
17	`astore 4`	([A], [E,b,b,B,C2,A]) ([A], [E,b,b,A,A,A])	([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
19	`goto 0`	([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([], [E,b,b,B,A,A])
22	`aload 3`	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	
23	`areturn`		

		IN	OUT
14	astore 3	([C1], [E,b,b,C1,C2,A])	-
		([B], [E,b,b,C1,C2,A])	([], [E,b,b,B,C2,A])
		([B], [E,b,b,B,A,A])	-
		([A], [E,b,b,B,A,A])	([], [E,b,b,A,A,A])
15	aload 5	([], [E,b,b,B,C2,A])	([A], [E,b,b,B,C2,A])
		([], [E,b,b,A,A,A])	([A], [E,b,b,A,A,A])
17	astore 4	([A], [E,b,b,B,C2,A])	([], [E,b,b,B,A,A])
		([A], [E,b,b,A,A,A])	([], [E,b,b,A,A,A])
19	goto 0	([], [E,b,b,B,A,A])	([], [E,b,b,B,A,A])
		([], [E,b,b,A,A,A])	([], [E,b,b,A,A,A])
22	aload 3	([], [E,b,b,C1,C2,A])	
		([], [E,b,b,B,A,A])	
23	areturn		

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])
4	iload 2	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])
8	aload 3	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])
9	goto 14	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])
12	aload 4	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([C2], [E,b,b,C1,C2,A]) ([A], [E,b,b,B,A,A])

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])
4	iload 2	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])
8	aload 3	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])
9	goto 14	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])
12	aload 4	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([C2], [E,b,b,C1,C2,A]) ([A], [E,b,b,B,A,A])

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A]) ([b], [E,b,b,A,A,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A]) ([b], [E,b,b,A,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])
4	iload 2	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])
8	aload 3	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])
9	goto 14	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])
12	aload 4	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([C2], [E,b,b,C1,C2,A]) ([A], [E,b,b,B,A,A])

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A]) ([b], [E,b,b,A,A,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A]) ([b], [E,b,b,A,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
4	iload 2	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])
8	aload 3	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])
9	goto 14	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])
12	aload 4	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([C2], [E,b,b,C1,C2,A]) ([A], [E,b,b,B,A,A])

		IN	OUT
14	`astore 3`	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A]) ([A], [E,b,b,B,A,A])	- ([], [E,b,b,B,C2,A]) - ([], [E,b,b,A,A,A])
15	`aload 5`	([], [E,b,b,B,C2,A]) ([], [E,b,b,A,A,A])	([A], [E,b,b,B,C2,A]) ([A], [E,b,b,A,A,A])
17	`astore 4`	([A], [E,b,b,B,C2,A]) ([A], [E,b,b,A,A,A])	([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
19	`goto 0`	([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
22	`aload 3`	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	
23	`areturn`		

		IN	OUT
14	`astore 3`	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A]) ([A], [E,b,b,B,A,A])	- ([], [E,b,b,B,C2,A]) - ([], [E,b,b,A,A,A])
15	`aload 5`	([], [E,b,b,B,C2,A]) ([], [E,b,b,A,A,A])	([A], [E,b,b,B,C2,A]) ([A], [E,b,b,A,A,A])
17	`astore 4`	([A], [E,b,b,B,C2,A]) ([A], [E,b,b,A,A,A])	([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
19	`goto 0`	([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
22	`aload 3`	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	
23	`areturn`		

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A]) ([b], [E,b,b,A,A,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A]) ([b], [E,b,b,A,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
4	iload 2	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])
8	aload 3	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])
9	goto 14	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])
12	aload 4	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([C2], [E,b,b,C1,C2,A]) ([A], [E,b,b,B,A,A])

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A]) ([b], [E,b,b,A,A,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A]) ([b], [E,b,b,A,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
4	iload 2	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A]) ([b], [E,b,b,A,A,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A]) ([b], [E,b,b,A,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])
8	aload 3	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])
9	goto 14	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])
12	aload 4	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([C2], [E,b,b,C1,C2,A]) ([A], [E,b,b,B,A,A])

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
		([], [E,b,b,B,A,A])	([b], [E,b,b,B,A,A])
		([], [E,b,b,A,A,A])	([b], [E,b,b,A,A,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
		([b], [E,b,b,B,A,A])	([], [E,b,b,B,A,A])
		([b], [E,b,b,A,A,A])	([], [E,b,b,A,A,A])
4	iload 2	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
		([], [E,b,b,B,A,A])	([b], [E,b,b,B,A,A])
		([], [E,b,b,A,A,A])	([b], [E,b,b,A,A,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
		([b], [E,b,b,B,A,A])	([], [E,b,b,B,A,A])
		([b], [E,b,b,A,A,A])	([], [E,b,b,A,A,A])
8	aload 3	([], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
		([], [E,b,b,B,A,A])	([B], [E,b,b,B,A,A])
		([], [E,b,b,A,A,A])	
9	goto 14	([C1], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
		([B], [E,b,b,B,A,A])	([B], [E,b,b,B,A,A])
12	aload 4	([], [E,b,b,C1,C2,A])	([C2], [E,b,b,C1,C2,A])
		([], [E,b,b,B,A,A])	([A], [E,b,b,B,A,A])
		([], [E,b,b,A,A,A])	

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A]) ([b], [E,b,b,A,A,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A]) ([b], [E,b,b,A,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
4	iload 2	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A]) ([b], [E,b,b,A,A,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A]) ([b], [E,b,b,A,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
8	aload 3	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A]) ([A], [E,b,b,A,A,A])
9	goto 14	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A]) ([A], [E,b,b,A,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A])
12	aload 4	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([C2], [E,b,b,C1,C2,A]) ([A], [E,b,b,B,A,A])

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
		([], [E,b,b,B,A,A])	([b], [E,b,b,B,A,A])
		([], [E,b,b,A,A,A])	([b], [E,b,b,A,A,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
		([b], [E,b,b,B,A,A])	([], [E,b,b,B,A,A])
		([b], [E,b,b,A,A,A])	([], [E,b,b,A,A,A])
4	iload 2	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
		([], [E,b,b,B,A,A])	([b], [E,b,b,B,A,A])
		([], [E,b,b,A,A,A])	([b], [E,b,b,A,A,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
		([b], [E,b,b,B,A,A])	([], [E,b,b,B,A,A])
		([b], [E,b,b,A,A,A])	([], [E,b,b,A,A,A])
8	aload 3	([], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
		([], [E,b,b,B,A,A])	([B], [E,b,b,B,A,A])
		([], [E,b,b,A,A,A])	([A], [E,b,b,A,A,A])
9	goto 14	([C1], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
		([B], [E,b,b,B,A,A])	([B], [E,b,b,B,A,A])
		([A], [E,b,b,A,A,A])	([A], [E,b,b,A,A,A])
12	aload 4	([], [E,b,b,C1,C2,A])	([C2], [E,b,b,C1,C2,A])
		([], [E,b,b,B,A,A])	([A], [E,b,b,B,A,A])
		([], [E,b,b,A,A,A])	

		IN	OUT
14	astore 3	([C1], [E,b,b,C1,C2,A])	-
		([B], [E,b,b,C1,C2,A])	([], [E,b,b,B,C2,A])
		([B], [E,b,b,B,A,A])	-
		([A], [E,b,b,B,A,A])	([], [E,b,b,A,A,A])
15	aload 5	([], [E,b,b,B,C2,A])	([A], [E,b,b,B,C2,A])
		([], [E,b,b,A,A,A])	([A], [E,b,b,A,A,A])
17	astore 4	([A], [E,b,b,B,C2,A])	([], [E,b,b,B,A,A])
		([A], [E,b,b,A,A,A])	([], [E,b,b,A,A,A])
19	goto 0	([], [E,b,b,B,A,A])	([], [E,b,b,B,A,A])
		([], [E,b,b,A,A,A])	([], [E,b,b,A,A,A])
22	aload 3	([], [E,b,b,C1,C2,A])	
		([], [E,b,b,B,A,A])	
		([], [E,b,b,A,A,A])	
23	areturn		

		IN	OUT
14	`astore 3`	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A]) ([A], [E,b,b,B,A,A]) ([A], [E,b,b,A,A,A])	- ([], [E,b,b,B,C2,A]) - ([], [E,b,b,A,A,A])
15	`aload 5`	([], [E,b,b,B,C2,A]) ([], [E,b,b,A,A,A])	([A], [E,b,b,B,C2,A]) ([A], [E,b,b,A,A,A])
17	`astore 4`	([A], [E,b,b,B,C2,A]) ([A], [E,b,b,A,A,A])	([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
19	`goto 0`	([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
22	`aload 3`	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	
23	`areturn`		

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A]) ([b], [E,b,b,A,A,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A]) ([b], [E,b,b,A,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
4	iload 2	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A]) ([b], [E,b,b,A,A,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A]) ([b], [E,b,b,A,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
8	aload 3	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A]) ([A], [E,b,b,A,A,A])
9	goto 14	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A]) ([A], [E,b,b,A,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A]) ([A], [E,b,b,A,A,A])
12	aload 4	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A])	([C2], [E,b,b,C1,C2,A]) ([A], [E,b,b,B,A,A])

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A]) ([b], [E,b,b,A,A,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A]) ([b], [E,b,b,A,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
4	iload 2	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A]) ([b], [E,b,b,A,A,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A]) ([b], [E,b,b,B,A,A]) ([b], [E,b,b,A,A,A])	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
8	aload 3	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A]) ([A], [E,b,b,A,A,A])
9	goto 14	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A]) ([A], [E,b,b,A,A,A])	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A]) ([A], [E,b,b,A,A,A])
12	aload 4	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([C2], [E,b,b,C1,C2,A]) ([A], [E,b,b,B,A,A])

		IN	OUT
0	iload 1	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
		([], [E,b,b,B,A,A])	([b], [E,b,b,B,A,A])
		([], [E,b,b,A,A,A])	([b], [E,b,b,A,A,A])
1	ifeq 22	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
		([b], [E,b,b,B,A,A])	([], [E,b,b,B,A,A])
		([b], [E,b,b,A,A,A])	([], [E,b,b,A,A,A])
4	iload 2	([], [E,b,b,C1,C2,A])	([b], [E,b,b,C1,C2,A])
		([], [E,b,b,B,A,A])	([b], [E,b,b,B,A,A])
		([], [E,b,b,A,A,A])	([b], [E,b,b,A,A,A])
5	ifeq 12	([b], [E,b,b,C1,C2,A])	([], [E,b,b,C1,C2,A])
		([b], [E,b,b,B,A,A])	([], [E,b,b,B,A,A])
		([b], [E,b,b,A,A,A])	([], [E,b,b,A,A,A])
8	aload 3	([], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
		([], [E,b,b,B,A,A])	([B], [E,b,b,B,A,A])
		([], [E,b,b,A,A,A])	([A], [E,b,b,A,A,A])
9	goto 14	([C1], [E,b,b,C1,C2,A])	([C1], [E,b,b,C1,C2,A])
		([B], [E,b,b,B,A,A])	([B], [E,b,b,B,A,A])
		([A], [E,b,b,A,A,A])	([A], [E,b,b,A,A,A])
12	aload 4	([], [E,b,b,C1,C2,A])	([C2], [E,b,b,C1,C2,A])
		([], [E,b,b,B,A,A])	([A], [E,b,b,B,A,A])
		([], [E,b,b,A,A,A])	([A], [E,b,b,A,A,A])

		IN	OUT
14	astore 3	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A]) ([A], [E,b,b,B,A,A]) ([A], [E,b,b,A,A,A])	- ([], [E,b,b,B,C2,A]) - ([], [E,b,b,A,A,A])
15	aload 5	([], [E,b,b,B,C2,A]) ([], [E,b,b,A,A,A])	([A], [E,b,b,B,C2,A]) ([A], [E,b,b,A,A,A])
17	astore 4	([A], [E,b,b,B,C2,A]) ([A], [E,b,b,A,A,A])	([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
19	goto 0	([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
22	aload 3	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	
23	areturn		

		IN	OUT
14	`astore 3`	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A]) ([A], [E,b,b,B,A,A]) ([A], [E,b,b,A,A,A])	- ([], [E,b,b,B,C2,A]) - ([], [E,b,b,A,A,A]) ([], [E,b,b,A,A,A])
15	`aload 5`	([], [E,b,b,B,C2,A]) ([], [E,b,b,A,A,A])	([A], [E,b,b,B,C2,A]) ([A], [E,b,b,A,A,A])
17	`astore 4`	([A], [E,b,b,B,C2,A]) ([A], [E,b,b,A,A,A])	([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
19	`goto 0`	([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
22	`aload 3`	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	
23	`areturn`		

		IN	OUT
14	astore 3	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A]) ([A], [E,b,b,B,A,A]) ([A], [E,b,b,A,A,A])	- ([], [E,b,b,B,C2,A]) - ([], [E,b,b,A,A,A]) ([], [E,b,b,A,A,A])
15	aload 5	([], [E,b,b,B,C2,A]) ([], [E,b,b,A,A,A])	([A], [E,b,b,B,C2,A]) ([A], [E,b,b,A,A,A])
17	astore 4	([A], [E,b,b,B,C2,A]) ([A], [E,b,b,A,A,A])	([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
19	goto 0	([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
22	aload 3	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	- - ([A], [E,b,b,A,A,A])
23	areturn	 ([A], [E,b,b,A,A,A])	

		IN	OUT
14	`astore 3`	([C1], [E,b,b,C1,C2,A]) ([B], [E,b,b,C1,C2,A]) ([B], [E,b,b,B,A,A]) ([A], [E,b,b,B,A,A]) ([A], [E,b,b,A,A,A])	- ([], [E,b,b,B,C2,A]) - ([], [E,b,b,A,A,A]) ([], [E,b,b,A,A,A])
15	`aload 5`	([], [E,b,b,B,C2,A]) ([], [E,b,b,A,A,A])	([A], [E,b,b,B,C2,A]) ([A], [E,b,b,A,A,A])
17	`astore 4`	([A], [E,b,b,B,C2,A]) ([A], [E,b,b,A,A,A])	([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
19	`goto 0`	([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])
22	`aload 3`	([], [E,b,b,C1,C2,A]) ([], [E,b,b,B,A,A]) ([], [E,b,b,A,A,A])	- - ([A], [E,b,b,A,A,A])
23	`areturn`	 ([A], [E,b,b,A,A,A])	 ([], [E,b,b,A,A,A])