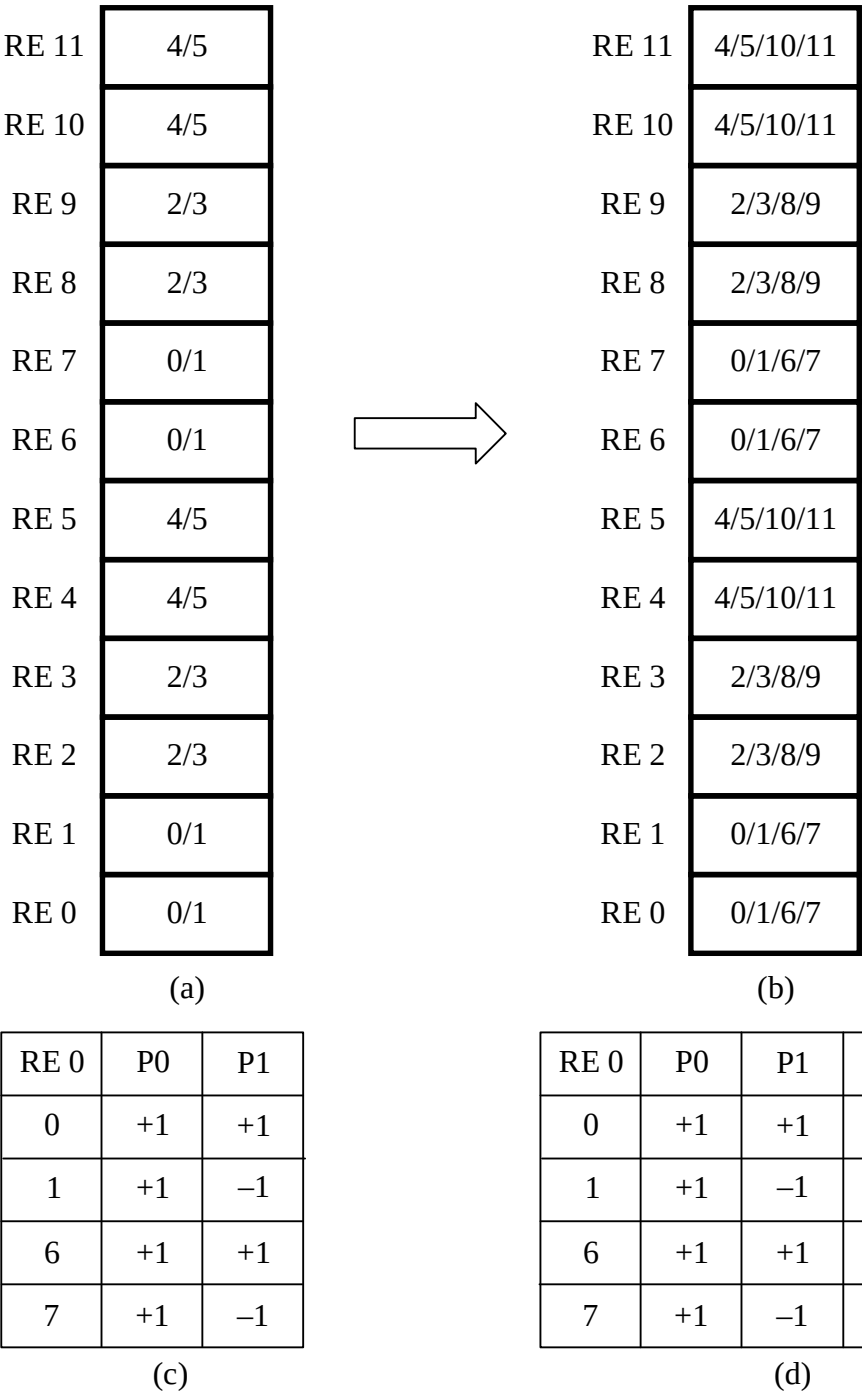


	...	...	...
RE 11	2/3 (+/-)	2/3/6/7 (+/-/+/-)	2/3/6/7 (+/-/-/+)
RE 10	0/1 (+/-)	0/1/4/5 (+/-/+/-)	0/1/4/5 (+/-/-/+)
RE 9	2/3 (+/+)	2/3/6/7 (+/+/+/+)	2/3/6/7 (+/+/-/-)
RE 8	0/1 (+/+)	0/1/4/5 (+/+/+/+)	0/1/4/5 (+/+/-/-)
RE 7	2/3 (+/-)	2/3/6/7 (+/-/+/-)	2/3/6/7 (+/-/-/+)
RE 6	0/1 (+/-)	0/1/4/5 (+/-/+/-)	0/1/4/5 (+/-/-/+)
RE 5	2/3 (+/+)	2/3/6/7 (+/+/+/+)	2/3/6/7 (+/+/-/-)
RE 4	0/1 (+/+)	0/1/4/5 (+/+/+/+)	0/1/4/5 (+/+/-/-)
RE 3	2/3 (+/-)	2/3/6/7 (+/-/+/-)	2/3/6/7 (+/-/-/+)
RE 2	0/1 (+/-)	0/1/4/5 (+/-/+/-)	0/1/4/5 (+/-/-/+)
RE 1	2/3 (+/+)	2/3/6/7 (+/+/+/+)	2/3/6/7 (+/+/-/-)
RE 0	0/1 (+/+)	0/1/4/5 (+/+/+/+)	0/1/4/5 (+/+/-/-)
	Symbol 1	Symbol 1	Symbol 2
	(a)	(b)	

FIG. 1

	⋮		⋮		⋮
RE 11	4/5 (+/-)		4/5/10/11 (+/-/+/-)	4/5/10/11 (+/-/-/+)	
RE 10	4/5 (+/+)		4/5/10/11 (+/+/+/+)	4/5/10/11 (+/+/-/-)	
RE 9	2/3 (+/-)		2/3/8/9 (+/-/+/-)	2/3/8/9 (+/-/-/+)	
RE 8	2/3 (+/+)		2/3/8/9 (+/+/+/+)	2/3/8/9 (+/+/-/-)	
RE 7	0/1 (+/-)		0/1/6/7 (+/-/+/-)	0/1/6/7 (+/-/-/+)	
RE 6	0/1 (+/+)		0/1/6/7 (+/+/+/+)	0/1/6/7 (+/+/-/-)	
RE 5	4/5 (+/-)		4/5/10/11 (+/-/+/-)	4/5/10/11 (+/-/-/+)	
RE 4	4/5 (+/+)		4/5/10/11 (+/+/+/+)	4/5/10/11 (+/+/-/-)	
RE 3	2/3 (+/-)		2/3/8/9 (+/-/+/-)	2/3/8/9 (+/-/-/+)	
RE 2	2/3 (+/+)		2/3/8/9 (+/+/+/+)	2/3/8/9 (+/+/-/-)	
RE 1	0/1 (+/-)		0/1/6/7 (+/-/+/-)	0/1/6/7 (+/-/-/+)	
RE 0	0/1 (+/+)		0/1/6/7 (+/+/+/+)	0/1/6/7 (+/+/-/-)	
	Symbol 1		Symbol 1	Symbol 2	
	(a)		(b)		

FIG. 2



RE 0

P0

P1

0

+1

+1

1

+1

-1

6

+1

+1

7

+1

-1

(c)

RE 0

P0

P1

P6

P7

0

+1

+1

+1

+1

1

+1

-1

+1

-1

6

+1

+1

-1

-1

7

+1

-1

-1

+1

(d)

FIG. 3

4/10

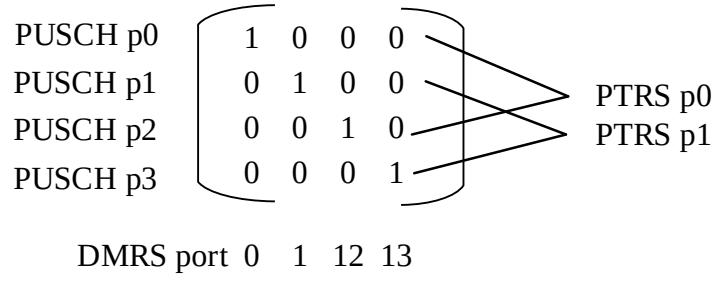


FIG. 4

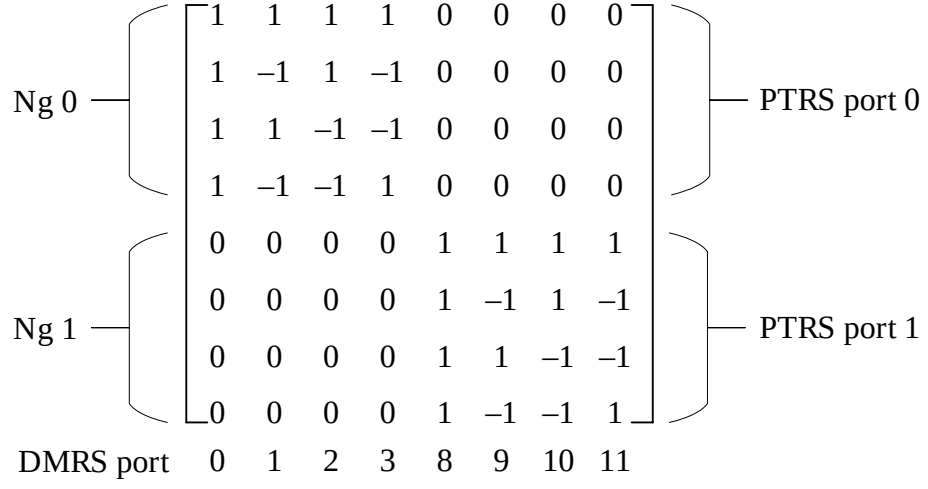


FIG. 5

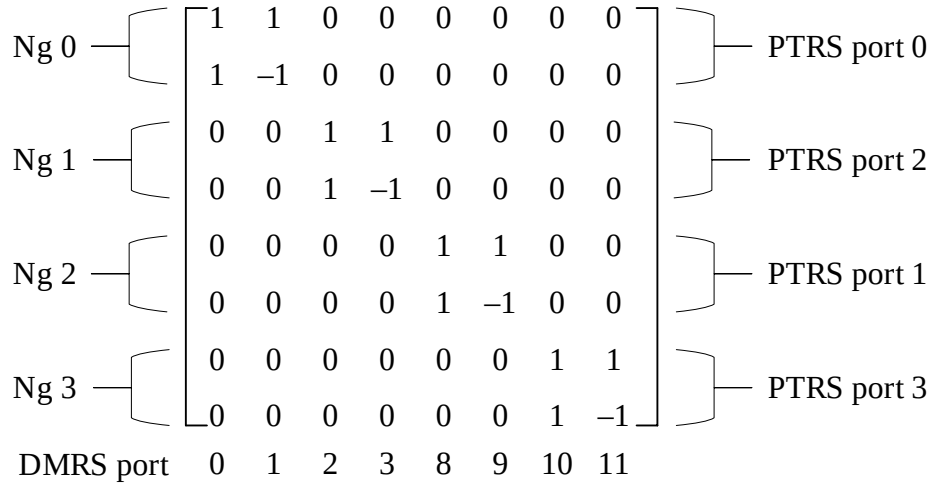


FIG. 6

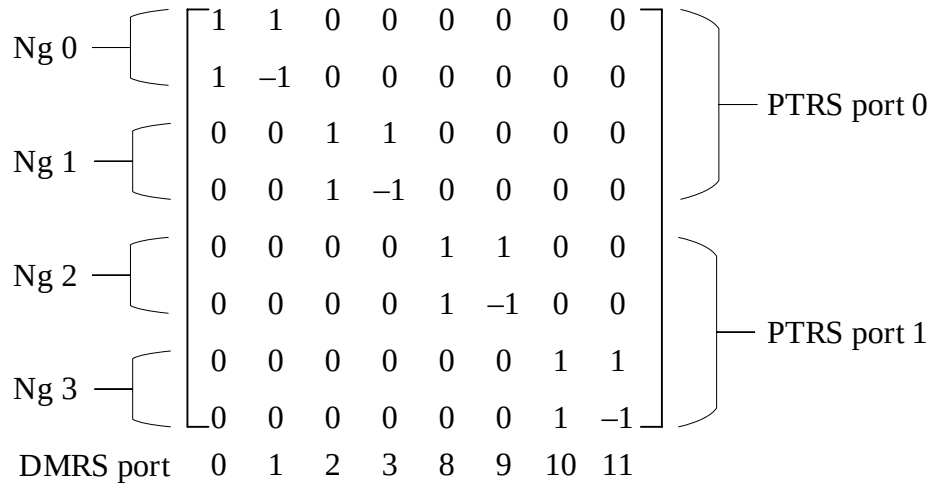


FIG. 7

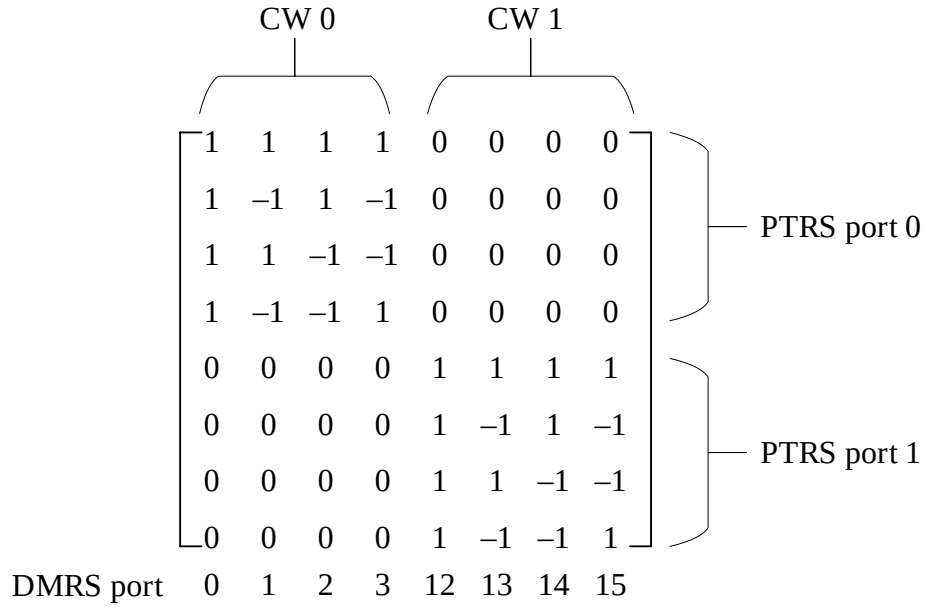


FIG. 8

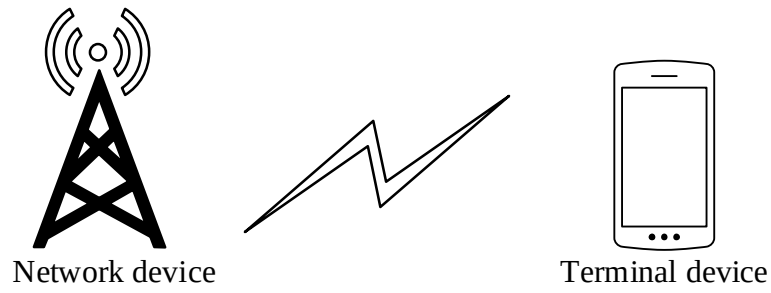


FIG. 9

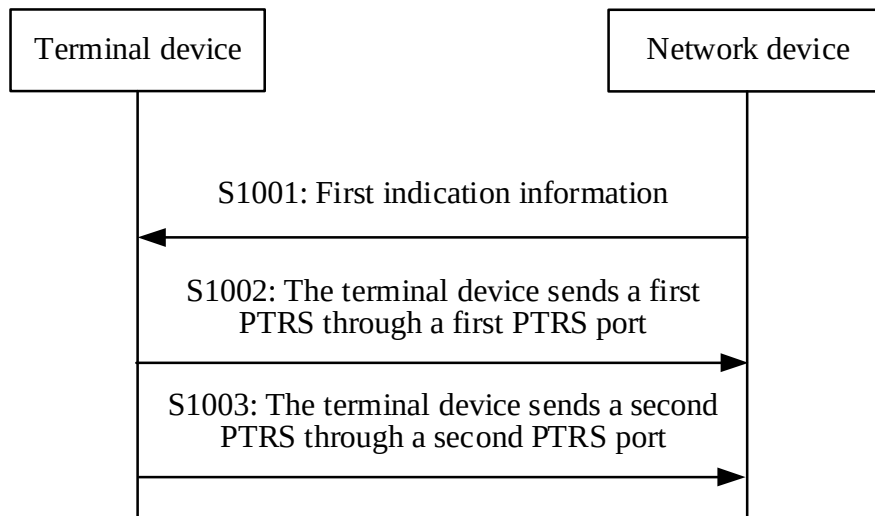


FIG. 10

Subcarrier/ Symbol	2	3	4	5	6	7	8	9	10
0	0 1 12 13								
1	0 1 12 13								
2									
3									
4									
5									
6	0 1 12 13	PTRS 0		PTRS 0		PTRS 0		PTRS 0	
7	0 1 12 13	PTRS 1	PTRS 1	PTRS 1	PTRS 1	PTRS 1	PTRS 1	PTRS 1	PTRS 1
8									
9									
10									
11									

FIG. 11

Subcarrier/ Symbol	2	3	4	5	6	7	8	9	10
0	0 1 12 13								
1	0 1 12 13								
2									
3									
4									
5									
6	0 1 12 13	PTRS 0	PTRS 0	PTRS 0	PTRS 0	PTRS 0	PTRS 0	PTRS 0	PTRS 0
7	0 1 12 13	PTRS 1	PTRS 1	PTRS 1	PTRS 1	PTRS 1	PTRS 1	PTRS 1	PTRS 1
8									
9									
10									
11									

FIG. 12

Subcarrier/ Symbol	2	3	4	5	6	7	8	9	10
0	0 1 12 13								
1	0 1 12 13								
2									
3									
4									
5									
6	0 1 12 13	PTRS 0		PTRS 0		PTRS 0		PTRS 0	
7	0 1 12 13	PTRS 1		PTRS 1		PTRS 1		PTRS 1	
8									
9									
10									
11									

FIG. 13

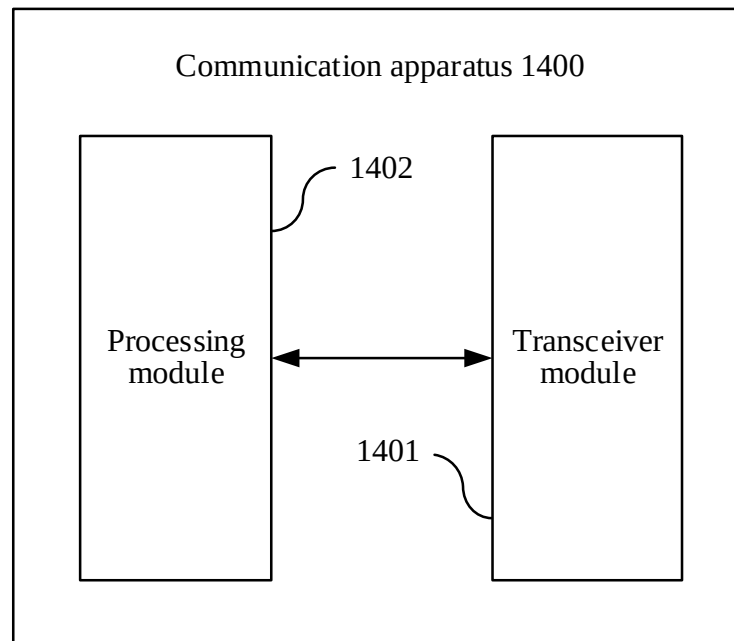


FIG. 14

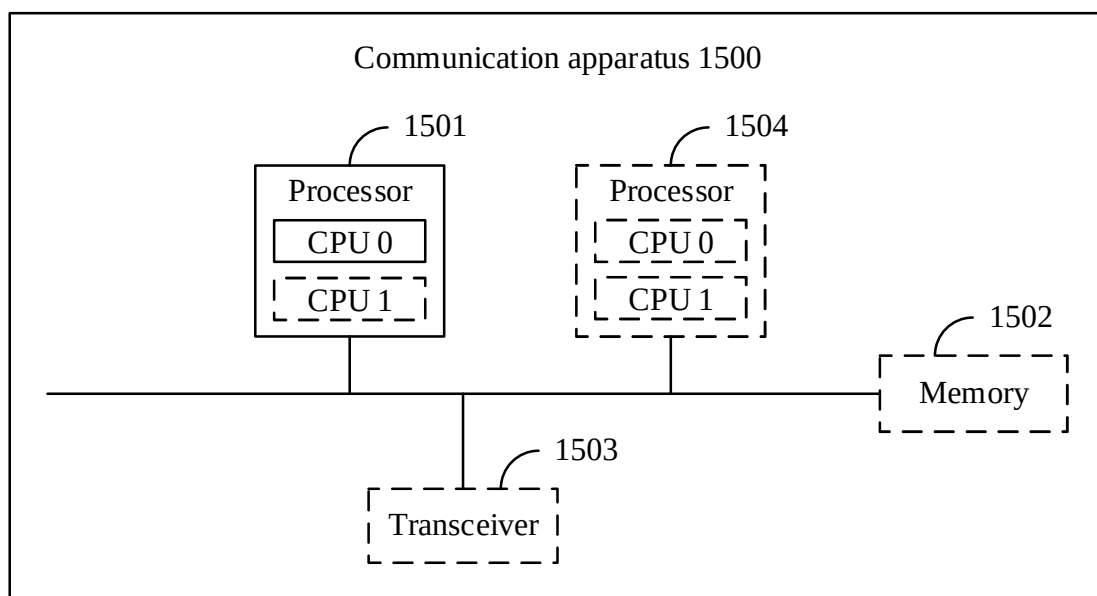


FIG. 15