

FIG. 1

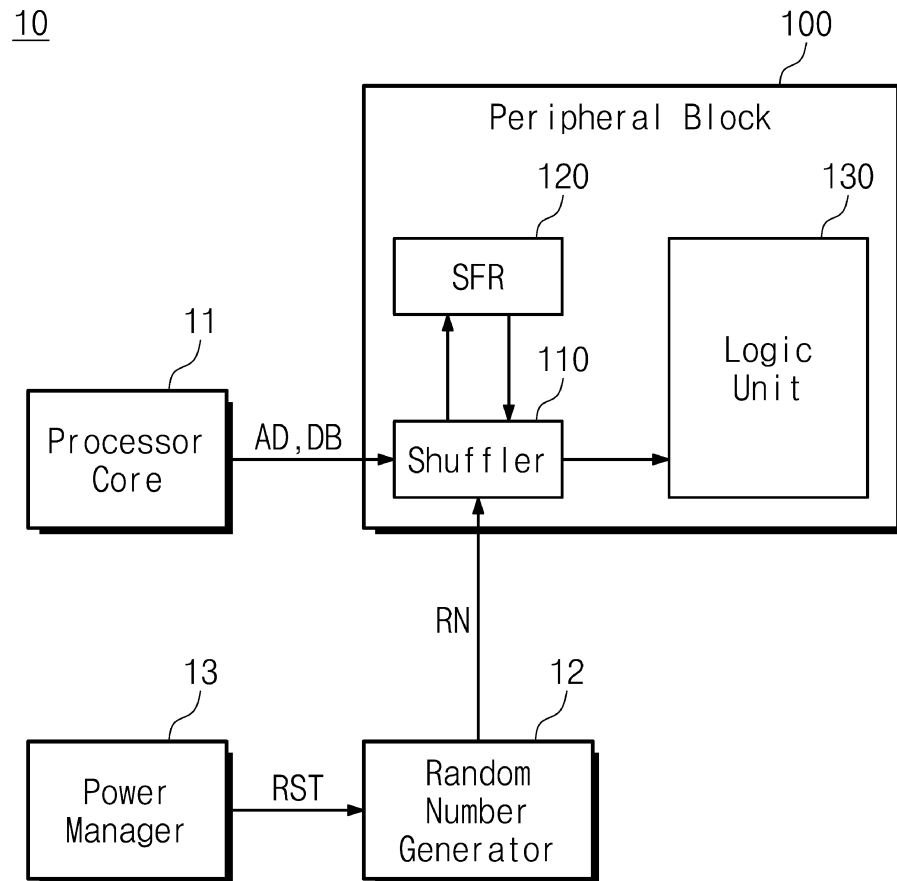


FIG. 2

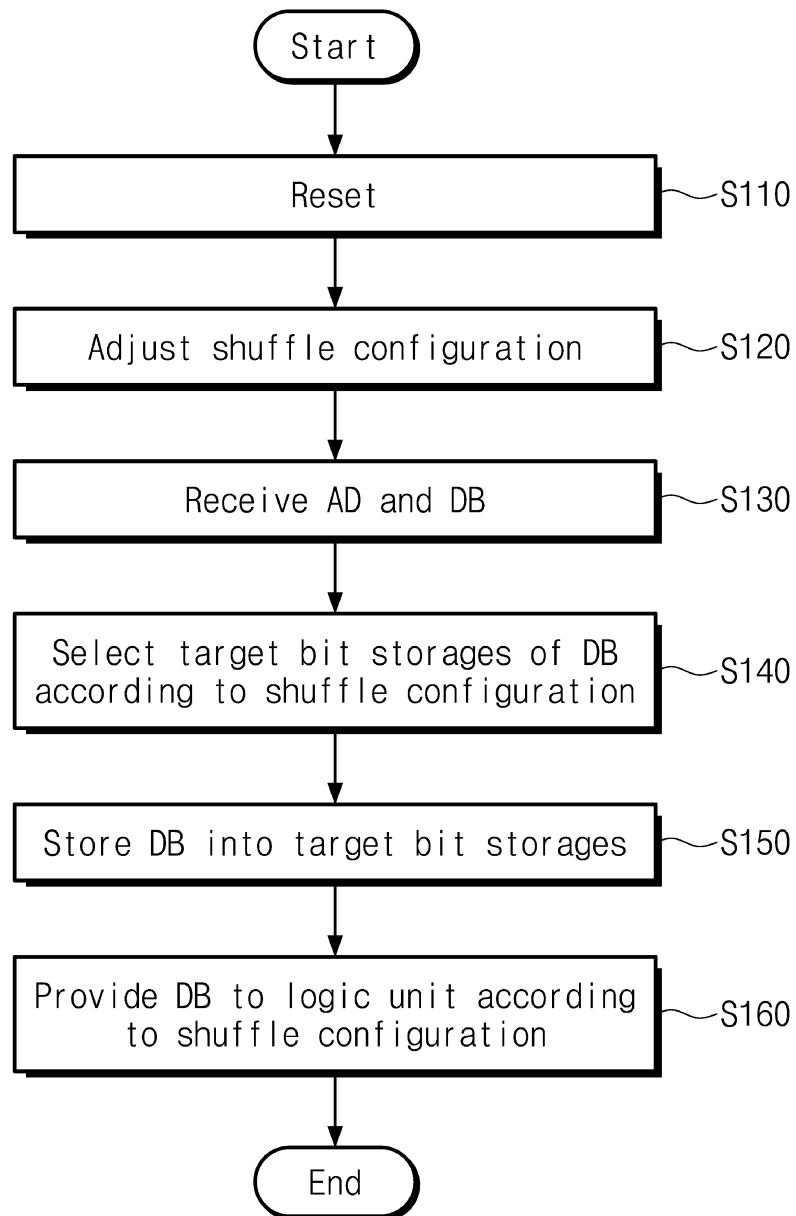


FIG. 3

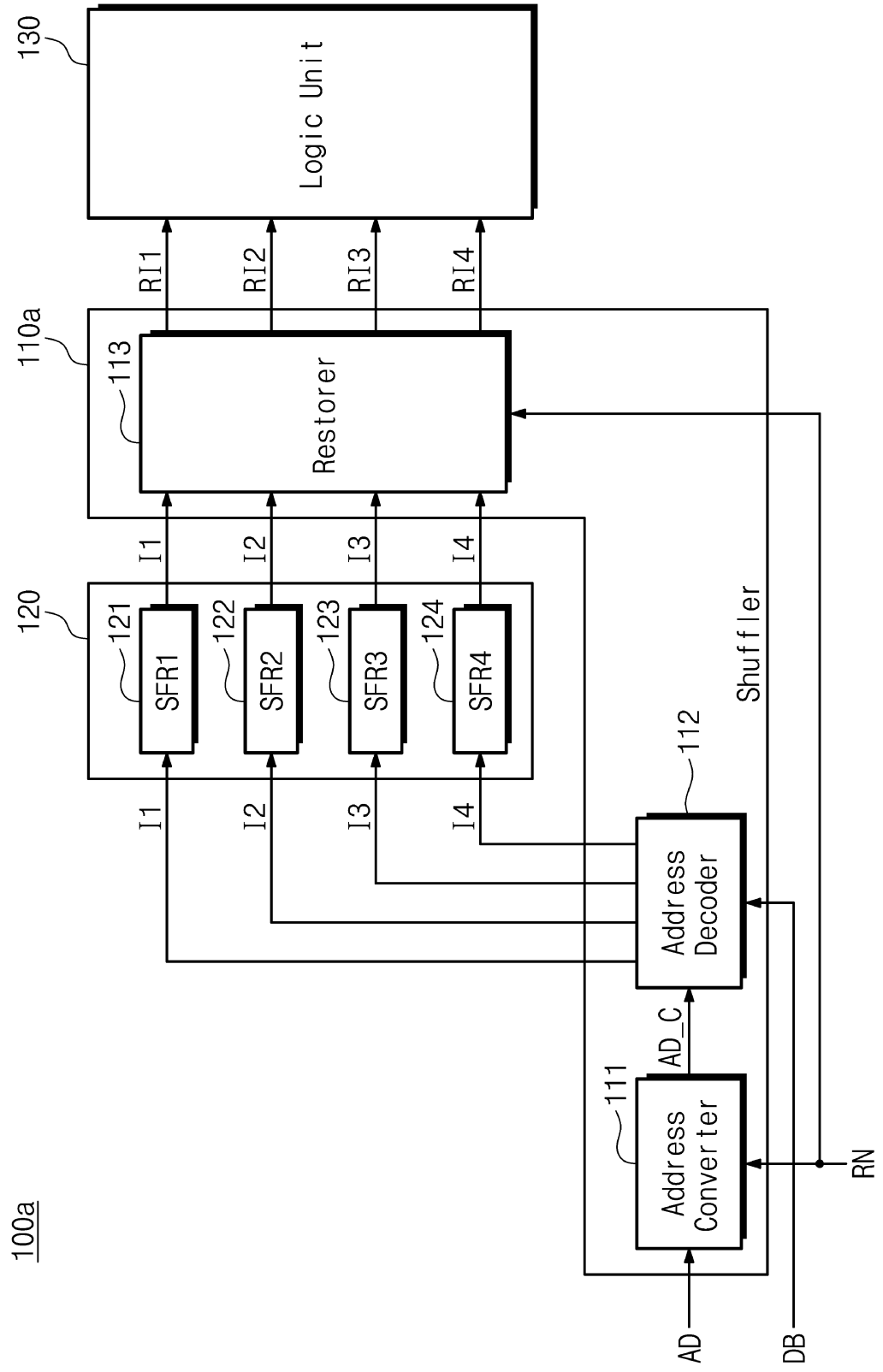


FIG. 4

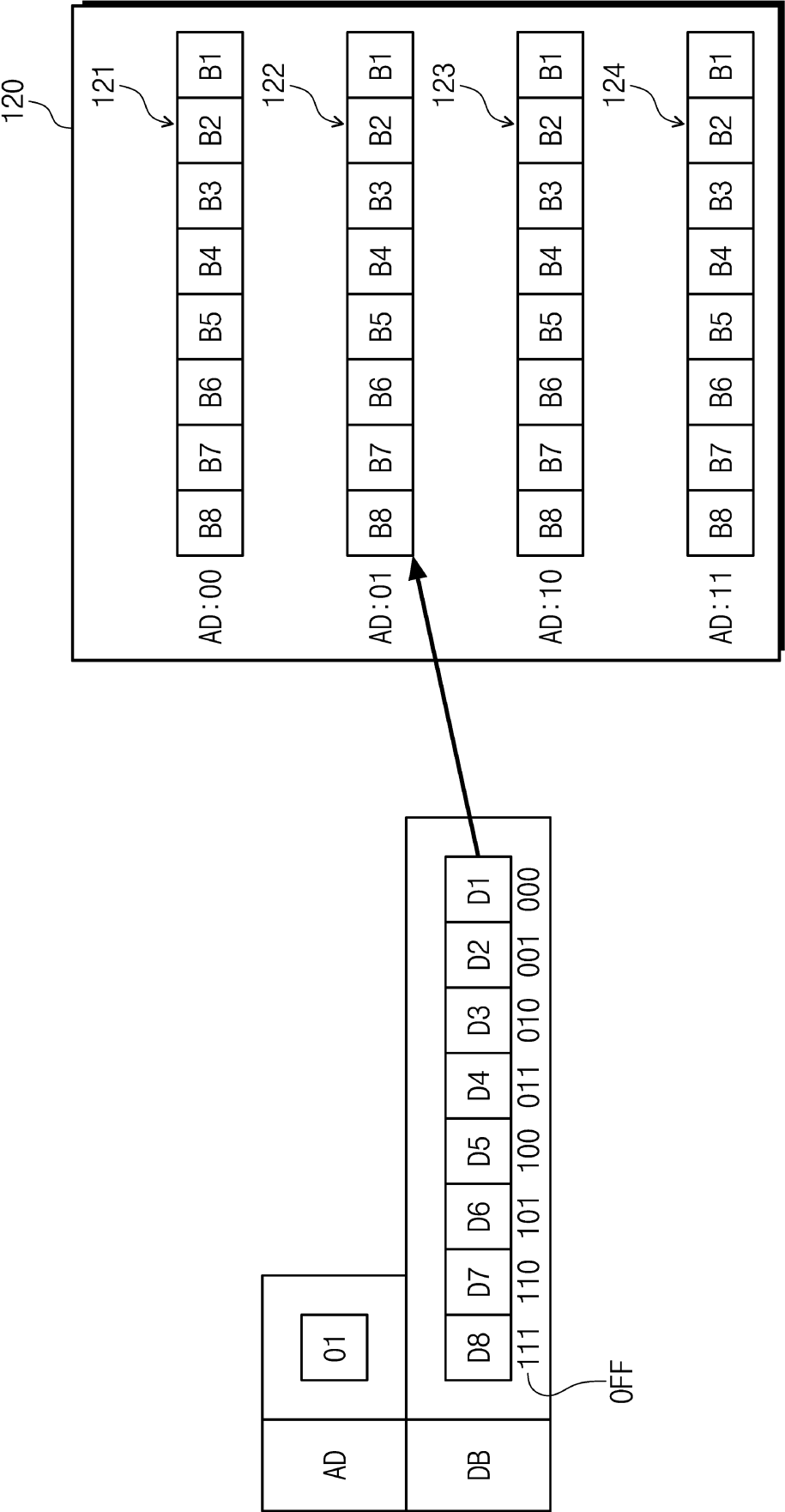


FIG. 5

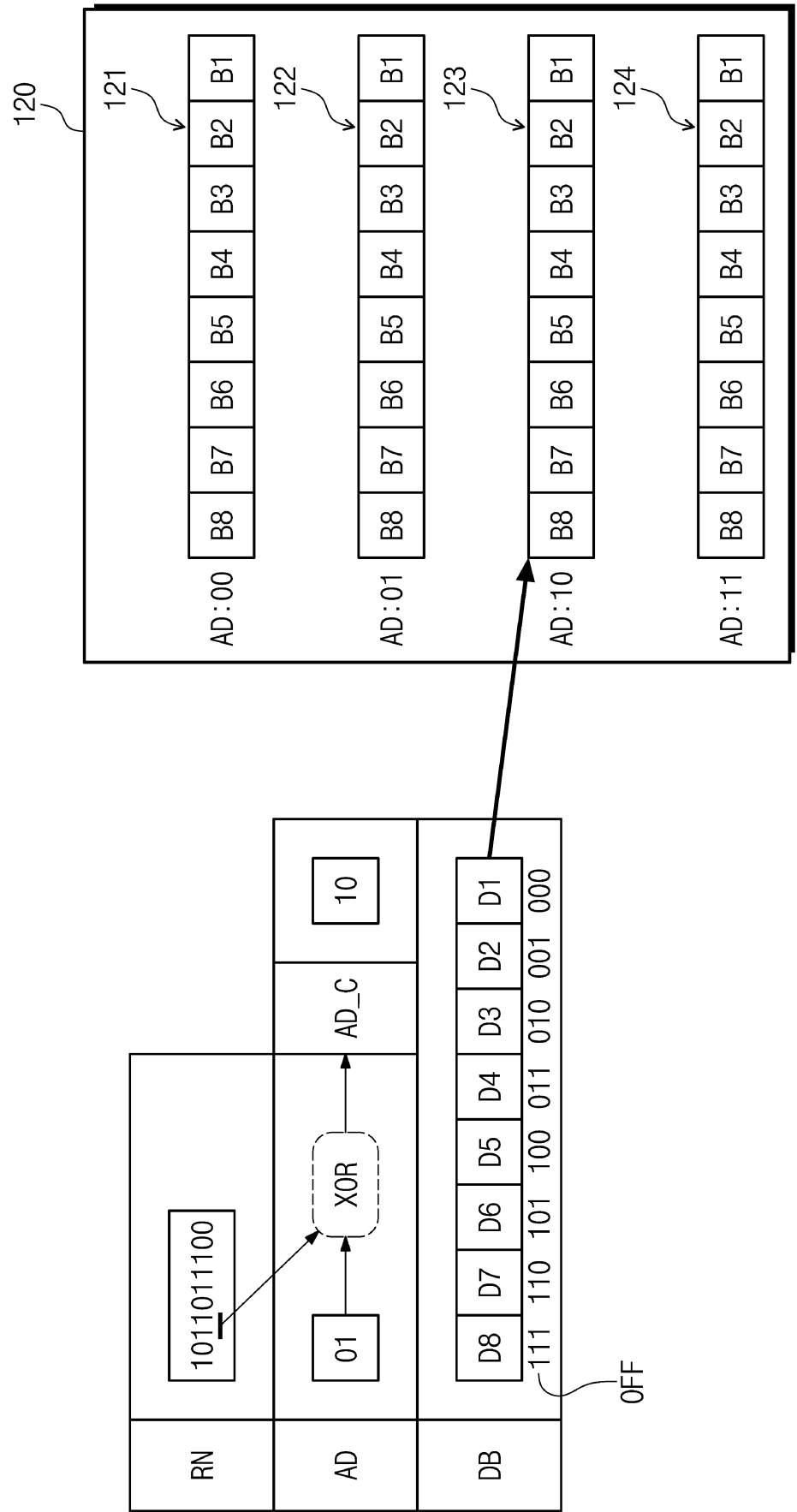


FIG. 6

RN	AD	AD_C	State
00	00	00	S1
	01	01	
	10	10	
	11	11	
01	00	01	S2
	01	00	
	10	11	
	11	10	
10	00	10	S3
	01	11	
	10	00	
	11	01	
11	00	11	S4
	01	10	
	10	01	
	11	00	

FIG. 7

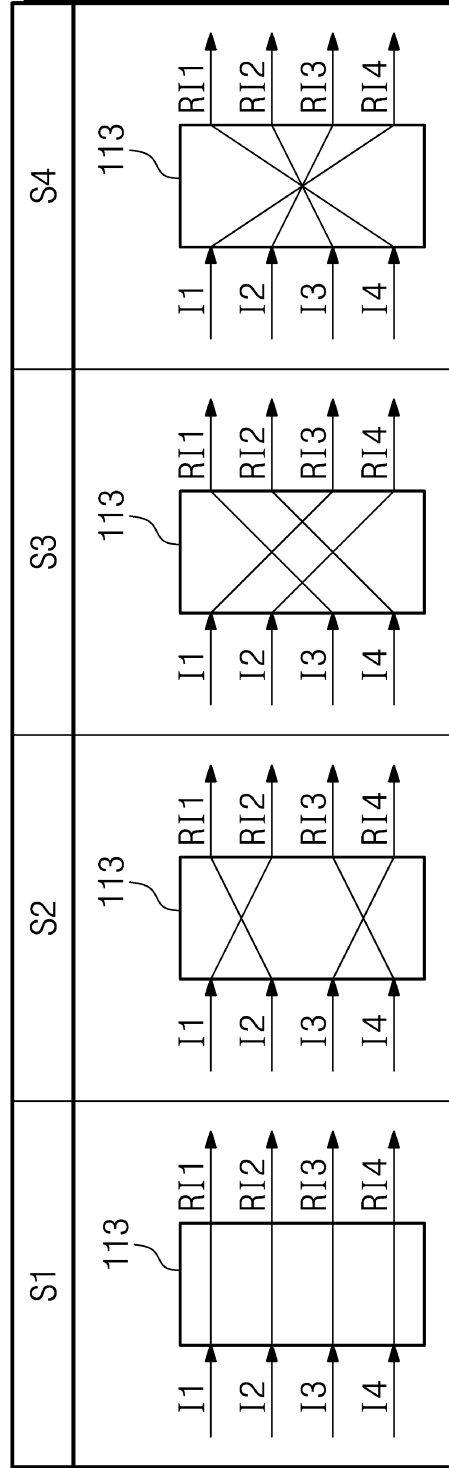


FIG. 8

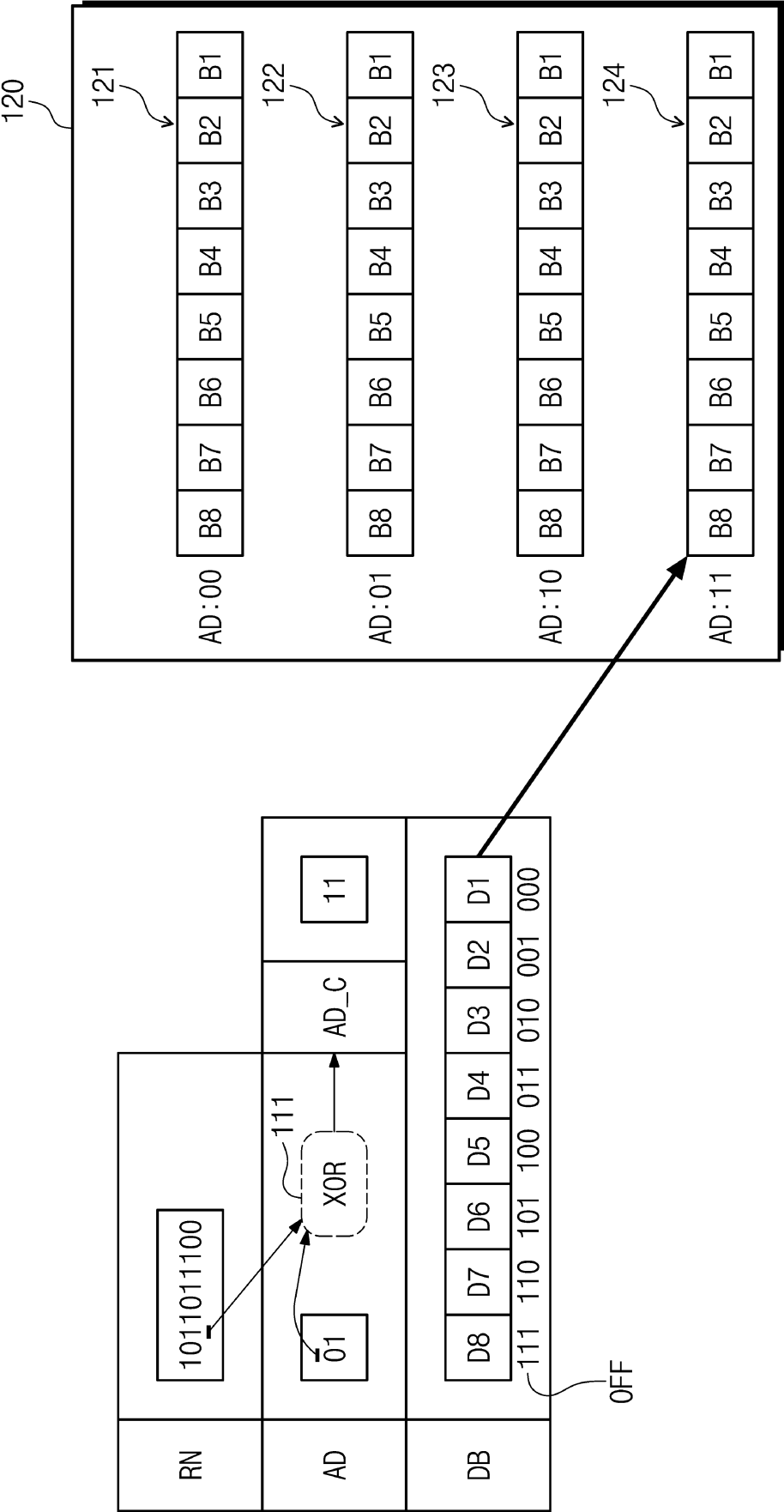


FIG. 9

RN	AD	AD_C	State
0	00	00	S1
	01	01	
	10	10	
	11	11	
1	00	10	S2
	01	11	
	10	00	
	11	01	

FIG. 10

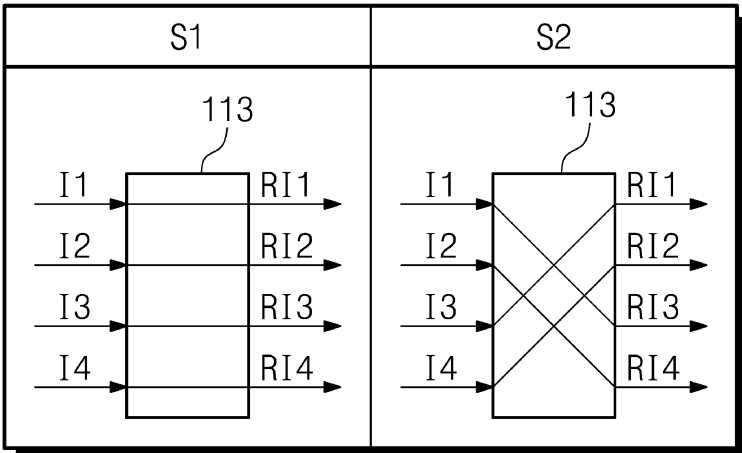


FIG. 11

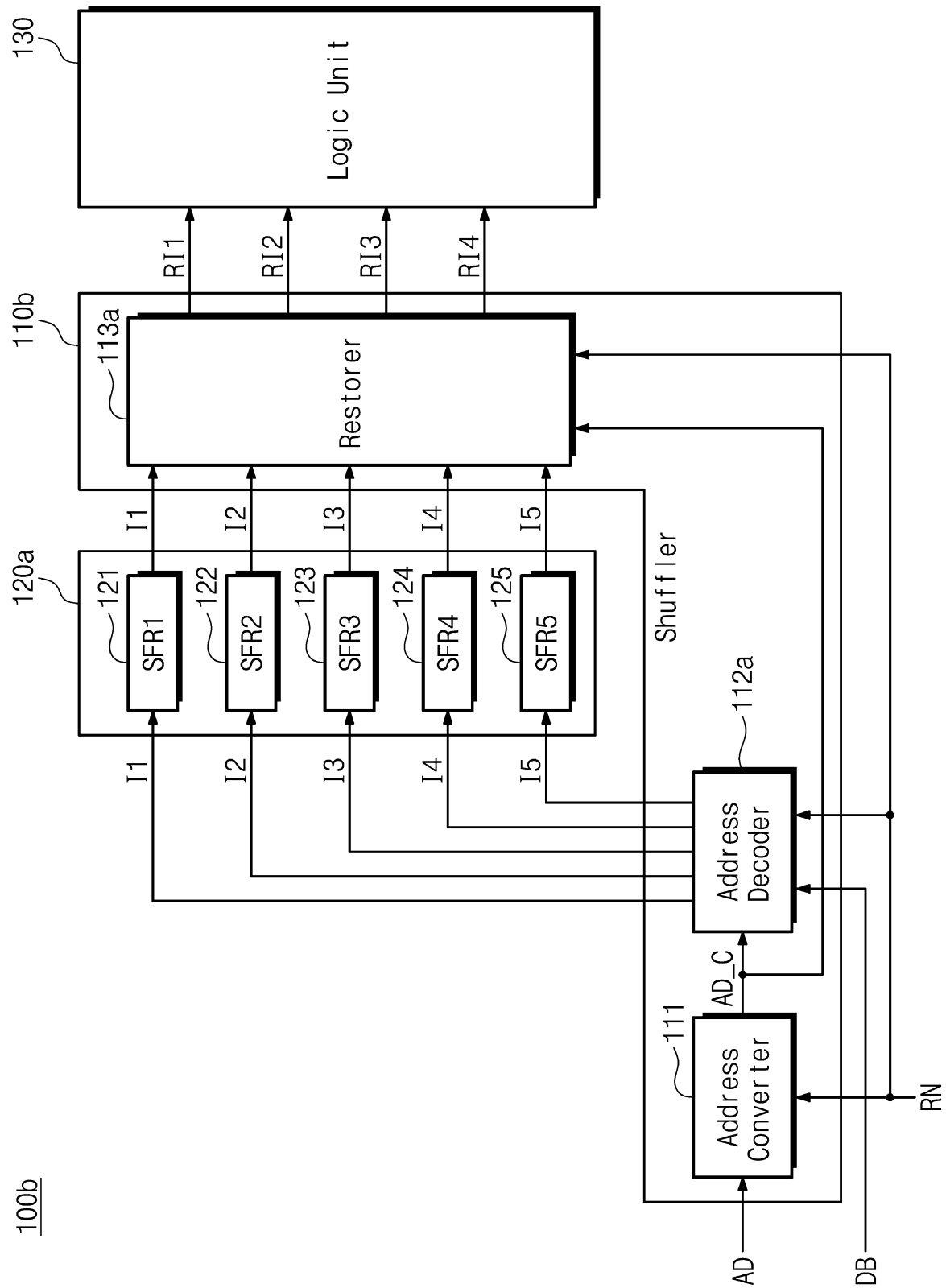


FIG. 12

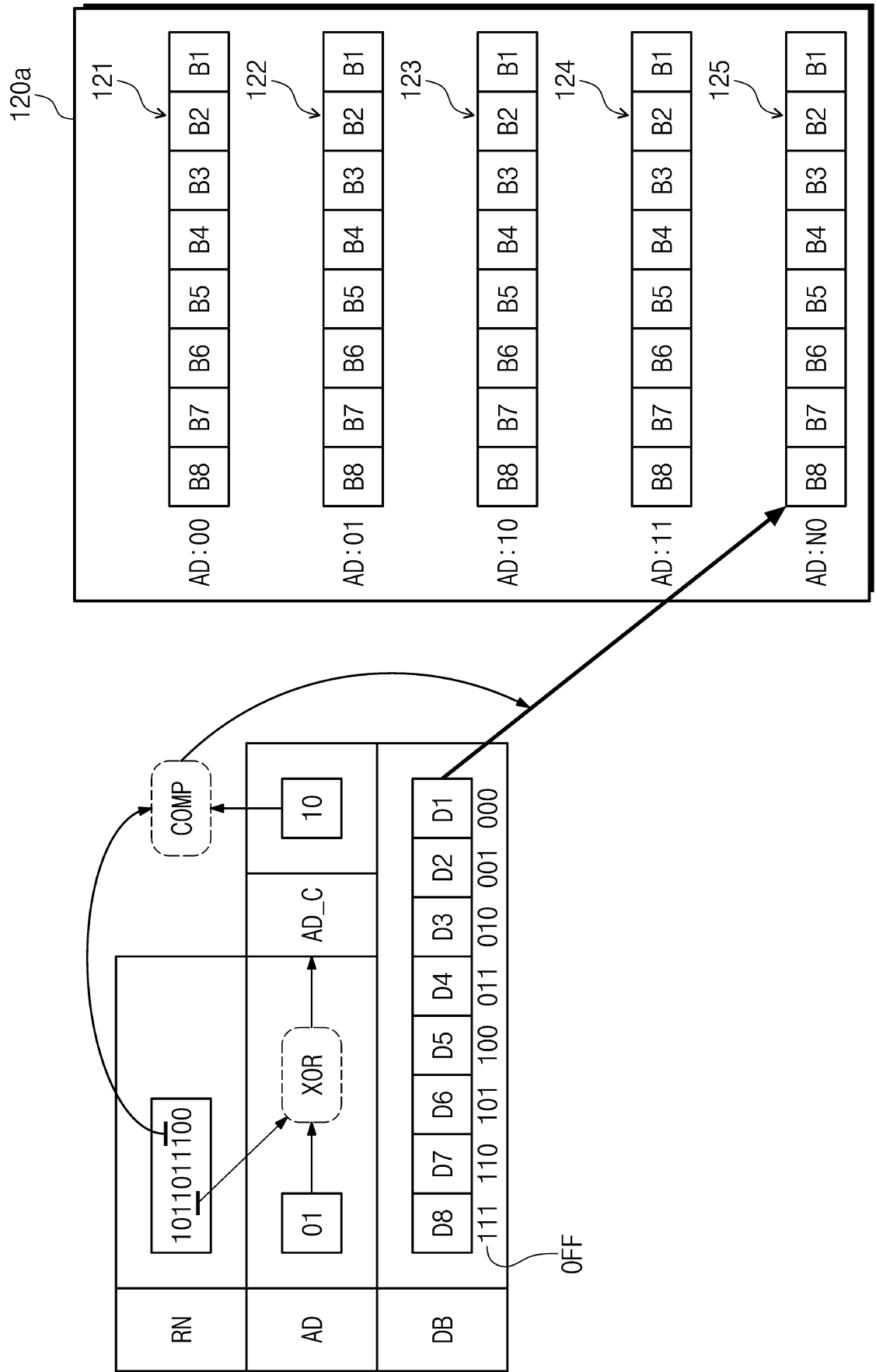


FIG. 13

RN_COMP=00				RN_COMP=01				RN_COMP=10				RN_COMP=11			
RN_XOR	AD	AD_C	State	RN_XOR	AD	AD_C	State	RN_XOR	AD	AD_C	State	RN_XOR	AD	AD_C	State
00	00	00	(EXC)	00	00	00		00	00	00		00	00	00	S1
	01	01	S1		01	01	(EXC)		01	01	S1		01	01	
	10	10			10	10	S1		10	10	(EXC)		10	10	
	11	11			11	11			11	11			11	11	
01	00	01		01	00	01	(EXC)	01	00	01		01	00	01	S2
	01	00	(EXC)		01	00	S2		01	00	S2		01	00	
	10	11	S2		10	11			10	11	(EXC)		10	11	
	11	10			11	10			11	10			11	10	
10	00	10		10	00	10		10	00	10	(EXC)	10	00	10	S3
	01	11	S3		01	11	S3		01	11	S3		01	11	
	10	00	(EXC)		10	00			10	00			10	00	
	11	01			11	01	(EXC)		11	01			11	01	
11	00	11		11	00	11		11	00	11		11	00	11	S4
	01	10	S4		01	10	S4		01	10	(EXC)		01	10	
	10	01			10	01	(EXC)		10	01	S4		10	01	
	11	00	(EXC)		11	00			11	00			11	00	

FIG. 14

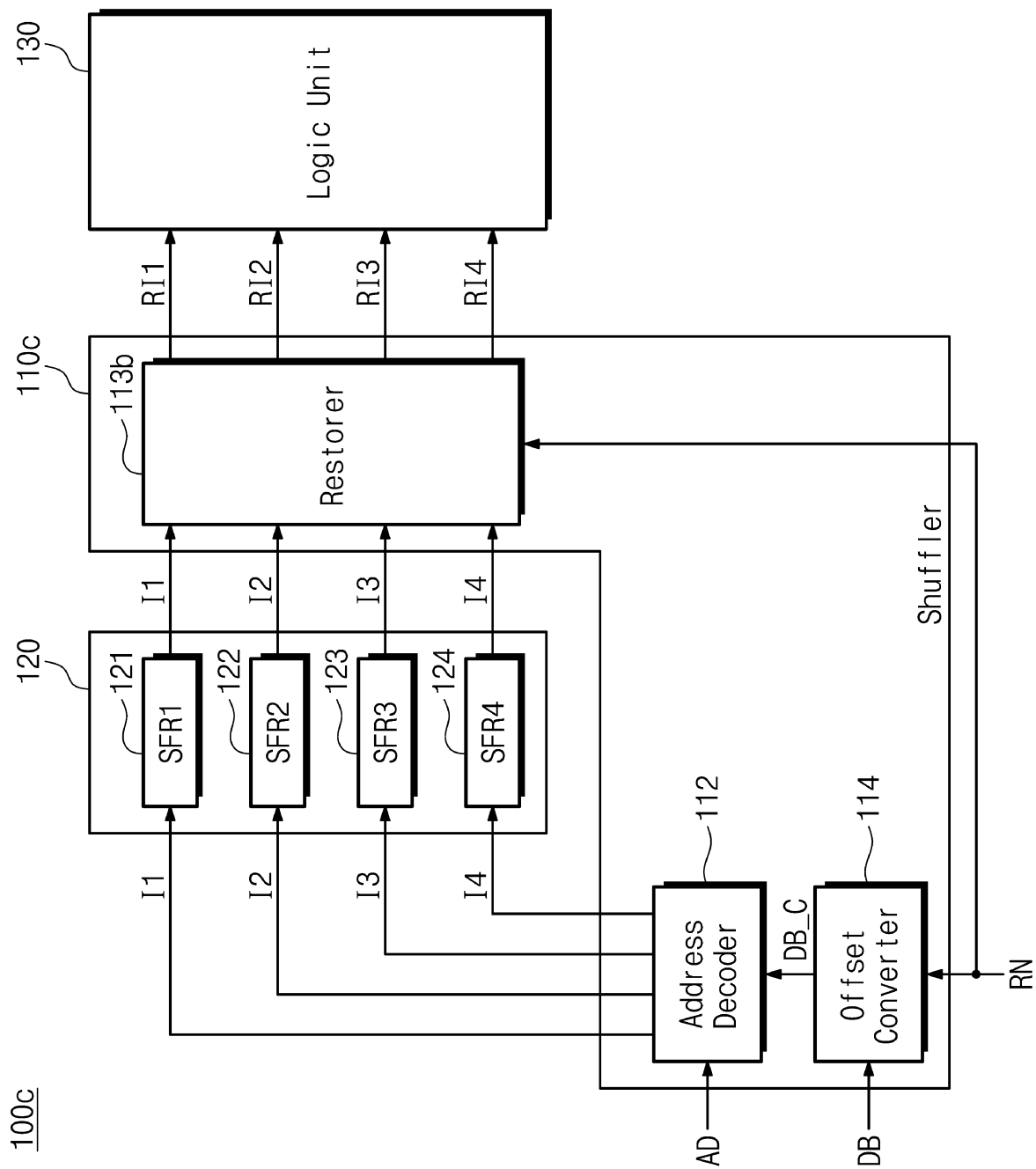


FIG. 15

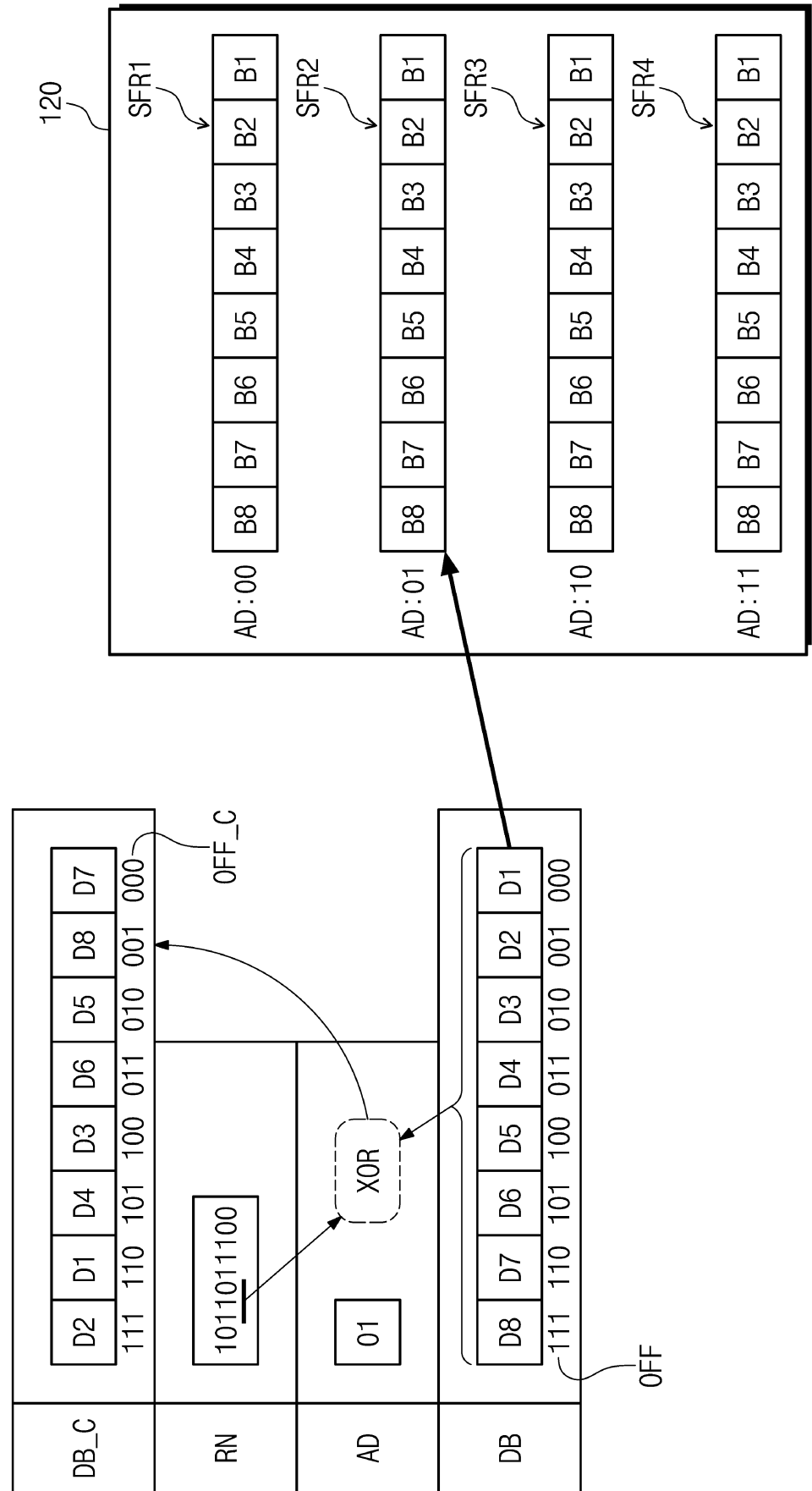


FIG. 16

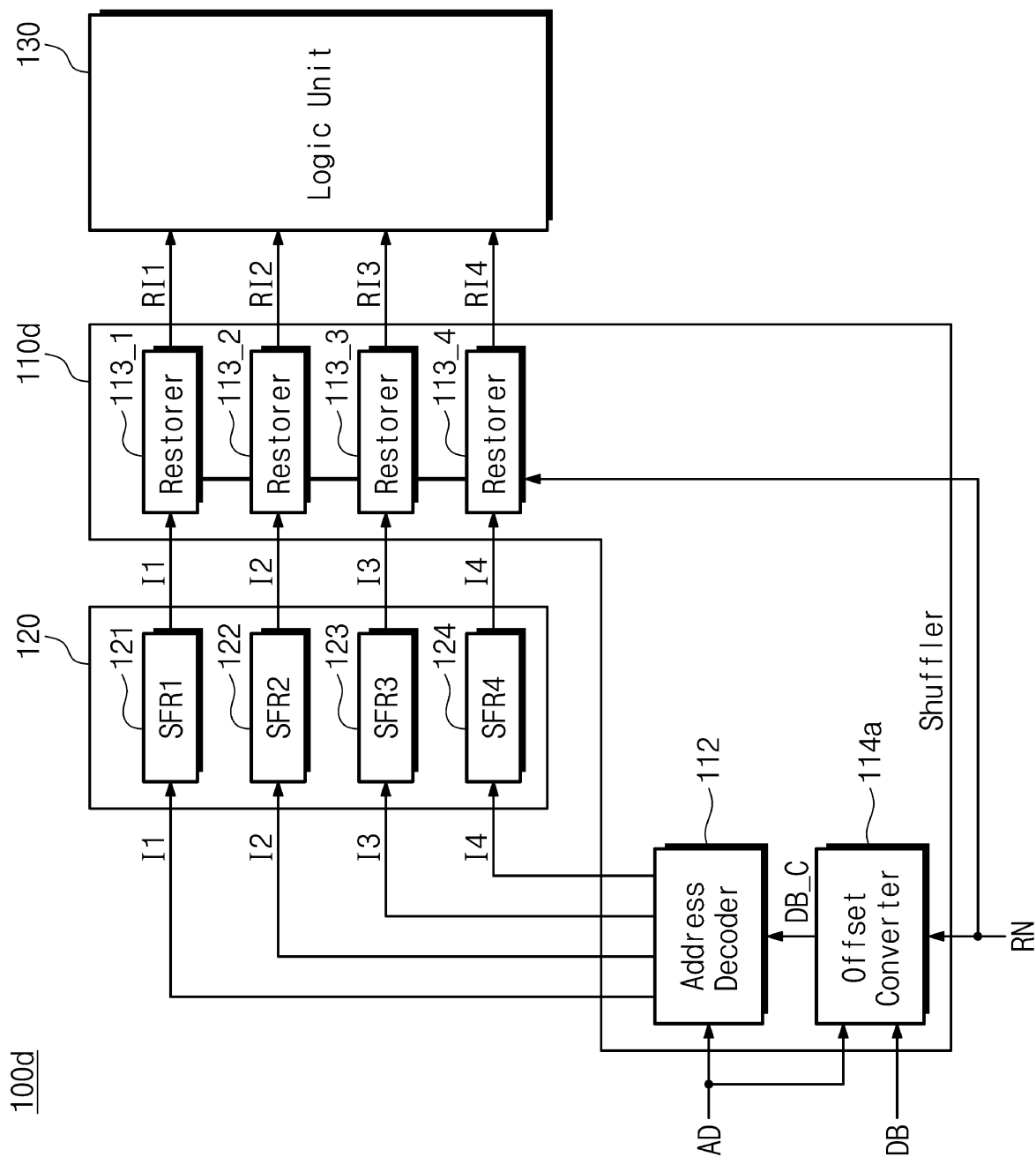


FIG. 17

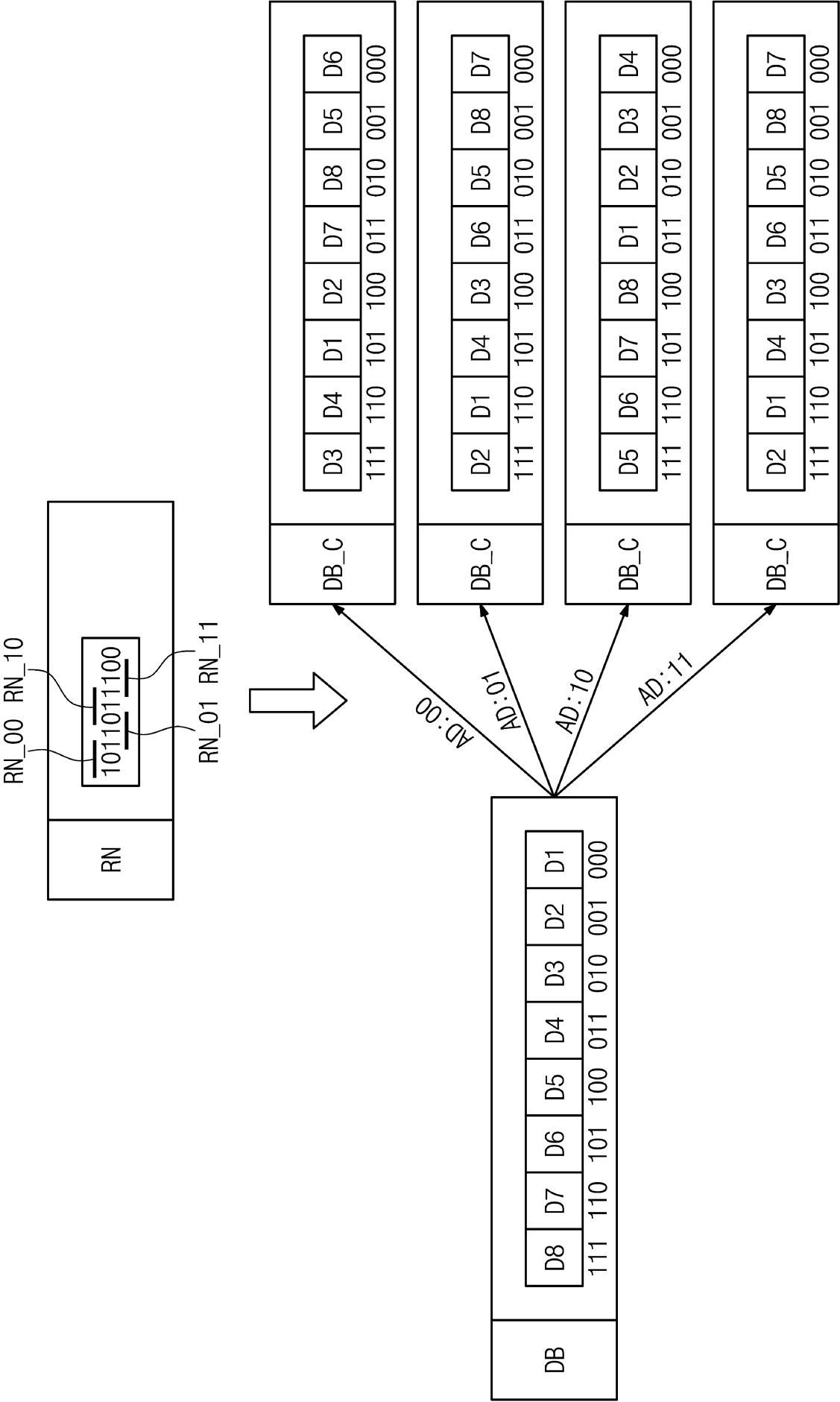


FIG. 18

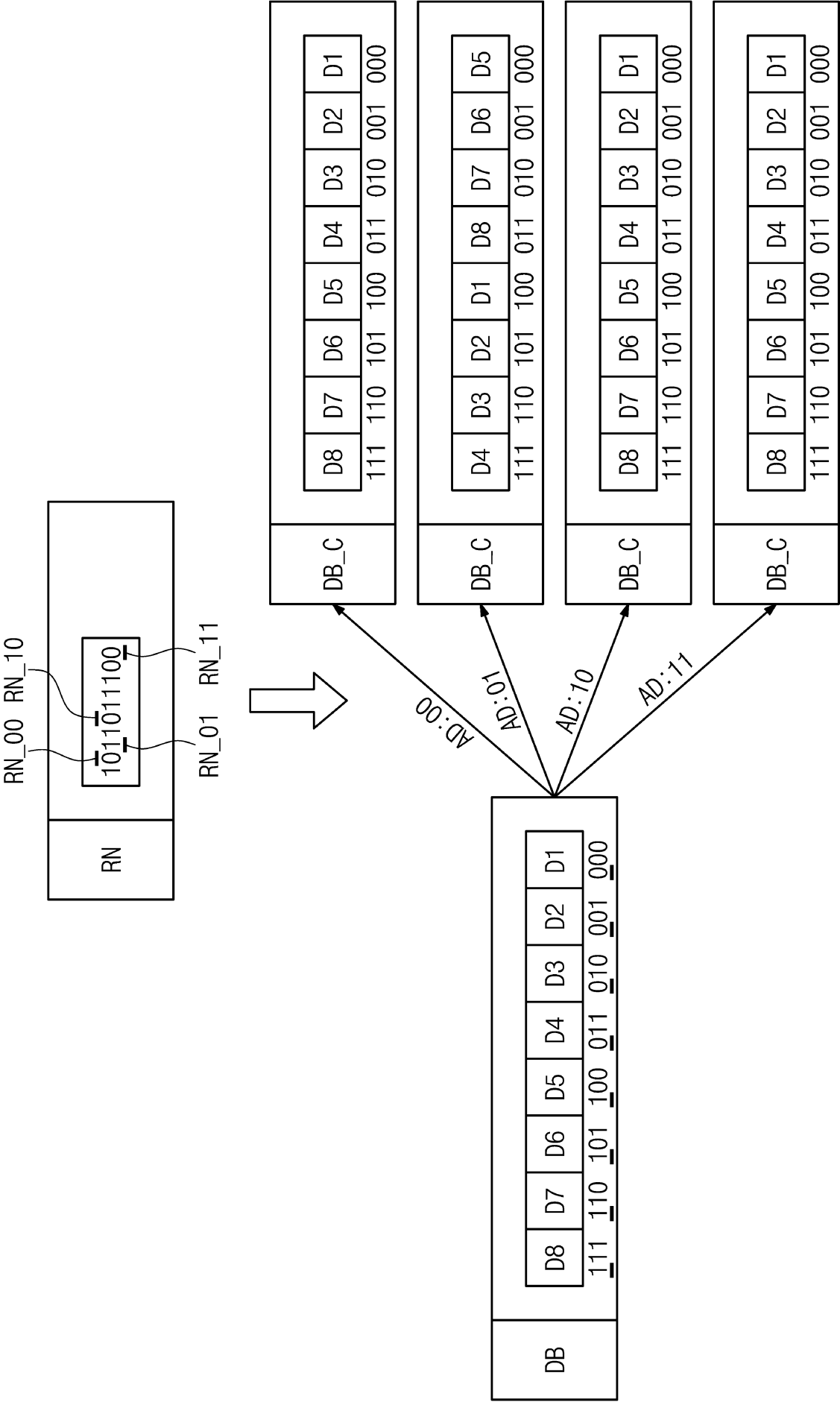


FIG. 19

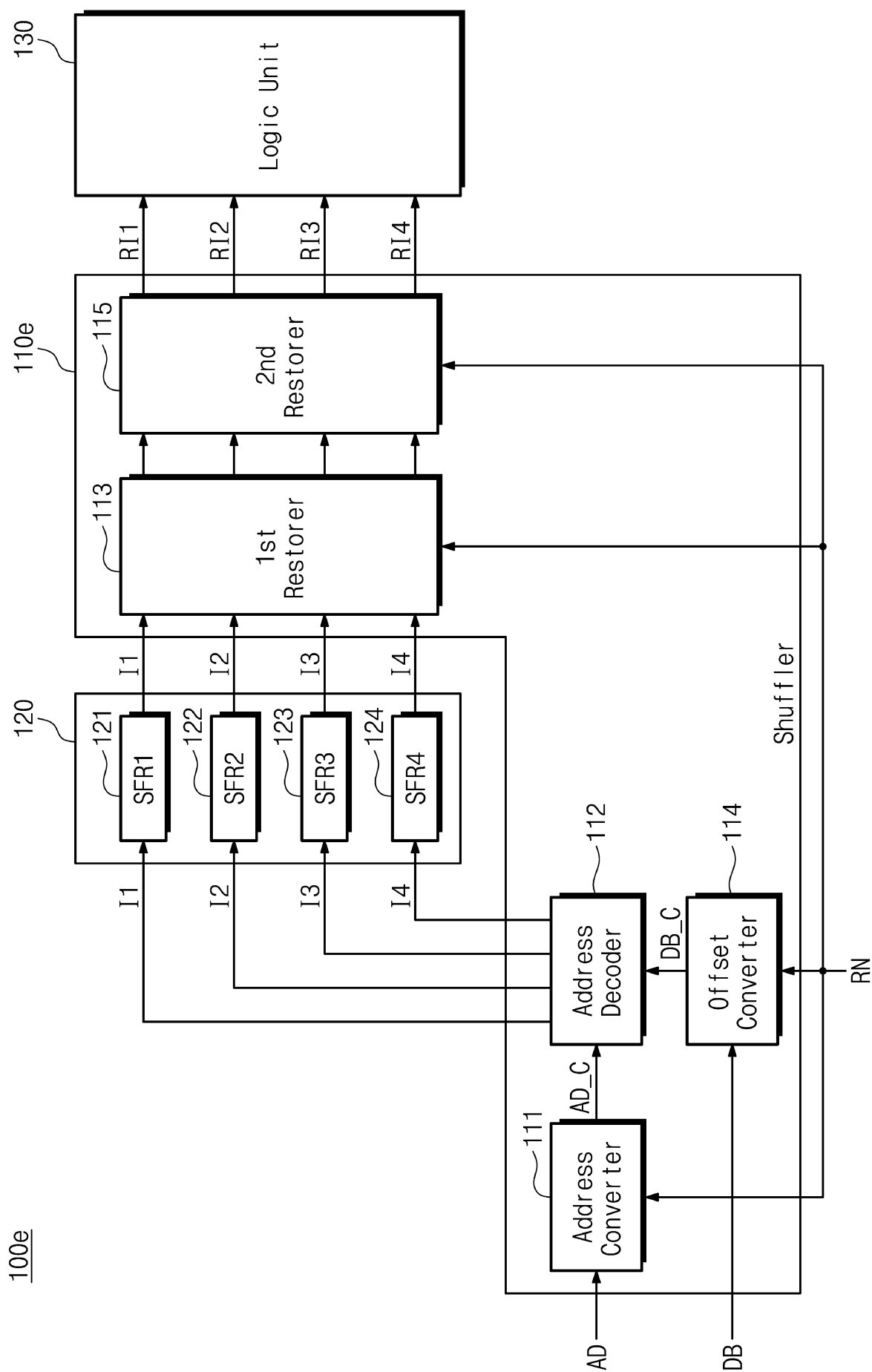


FIG. 20

