

A	B	C	D	$S_{15}$	$S_{14}$	$S_{13}$	$S_{12}$	$S_{11}$	$S_{10}$	$S_9$	$S_8$	$S_7$	$S_6$	$S_5$	$S_4$	$S_3$	$S_2$	$S_1$	$S_0$
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

$$S_0 = \backslash 00011110$$

00	1	0	0	0
01	0	0	0	0
11	0	0	0	0
10	0	0	0	0

$$S_0 = \bar{A}\bar{B}\bar{C}\bar{D}$$

$$S_1 = \backslash 00011110$$

00	0	1	0	0
01	0	0	0	0
11	0	0	0	0
10	0	0	0	0

$$S_1 = \bar{A}\bar{B}\bar{C}D$$

$$S_2 = \backslash 00011110$$

00	0	0	0	1
01	0	0	0	0
11	0	0	0	0
10	0	0	0	0

$$S_2 = \bar{A}\bar{B}C\bar{D}$$

$$S_3 = \backslash 00011110$$

00	0	0	1	0
01	0	0	0	0
11	0	0	0	0
10	0	0	0	0

$$S_3 = \bar{A}\bar{B}CD$$

$$S_4 = \backslash 00011110$$

00	0	0	0	0
01	1	0	0	0
11	0	0	0	0
10	0	0	0	0

$$S_4 = \bar{A}B\bar{C}\bar{D}$$

$$S_5 = \backslash 00011110$$

00	0	0	0	0
01	0	1	0	0
11	0	0	0	0
10	0	0	0	0

$$S_5 = \bar{A}B\bar{C}D$$

$$S_6 = \backslash 00011110$$

00	0	0	0	1
01	0	0	0	0
11	0	0	0	0
10	0	0	0	0

$$S_6 = \bar{A}BC\bar{D}$$

$$S_7 = \backslash 00011110$$

00	0	0	0	0
01	0	0	1	0
11	0	0	0	0
10	0	0	0	0

$$S_7 = \bar{A}BCD$$

$$S_8 = \backslash 00011110$$

00	0	0	0	0
01	0	0	0	0
11	0	0	0	0
10	1	0	0	0

$$S_8 = A\bar{B}\bar{C}\bar{D}$$

$$S_9 =$$

	00	01	11	10
00	0	0	0	0
01	0	0	0	0
11	0	0	0	0
10	0	1	0	0

$$S_9 = A\bar{B}\bar{C}D$$

$$S_{10} =$$

	00	01	11	10
00	0	0	0	0
01	0	0	0	0
11	0	0	0	0
10	0	0	0	1

$$S_{10} = A\bar{B}C\bar{D}$$

$$S_{11} =$$

	00	01	11	10
00	0	0	0	0
01	0	0	0	0
11	0	0	0	0
10	0	0	1	0

$$S_{11} = A\bar{B}CD$$

$$S_{12} =$$

	00	01	11	10
00	0	0	0	0
01	0	0	0	0
11	1	0	0	0
10	0	0	0	0

$$S_{12} = AB\bar{C}\bar{D}$$

$$S_{13} =$$

	00	01	11	10
00	0	0	0	0
01	0	0	0	0
11	0	1	0	0
10	0	0	0	0

$$S_{13} = AB\bar{C}D$$

$$S_{14} =$$

	00	01	11	10
00	0	0	0	0
01	0	0	0	0
11	0	0	0	1
10	0	0	0	0

$$S_{14} = ABC\bar{D}$$

$$S_{15} =$$

	00	01	11	10
00	0	0	0	0
01	0	0	0	0
11	0	0	1	0
10	0	0	0	0

$$S_{15} = ABCD$$



