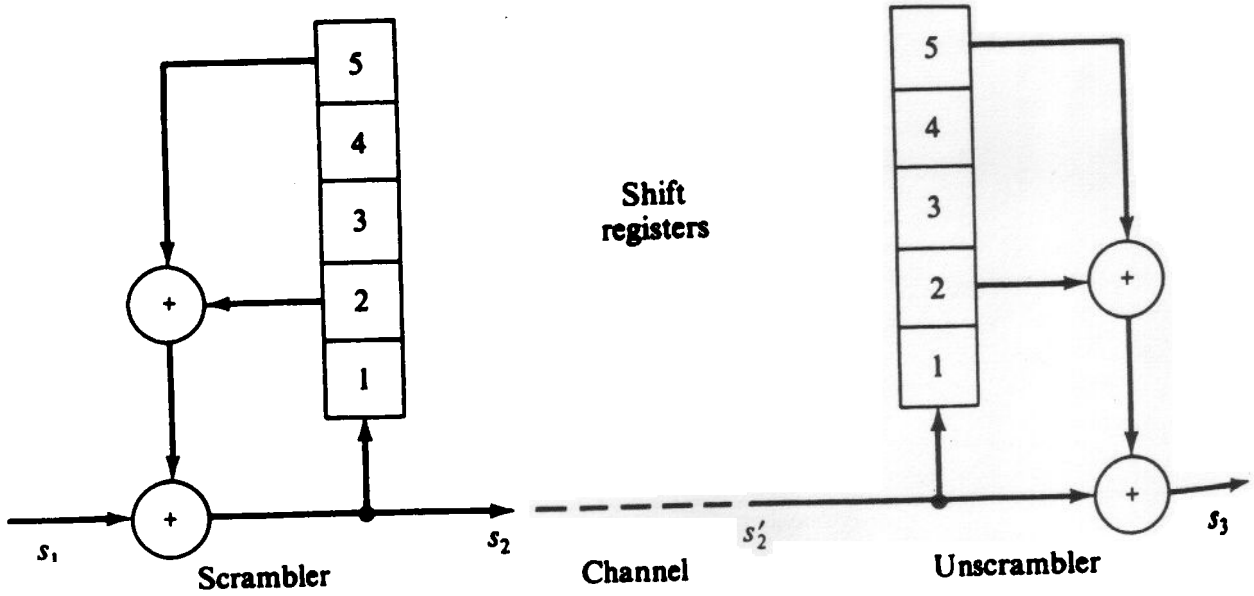

FIGURE 8.7.1 Data scrambler and unscrambler for Example 8.7.1.

TABLE 8.7.1 Scrambled Bit Sequence for Example 8.7.1

Time	1	2	3	4	5	6	7	8	9	10	11	12
s_1	1	0	0	0	0	0	0	0	0	0	0	0
1	0	1	0	1	0	1	1	1	0	1	1	0
2	0	0	1	0	1	0	1	1	1	0	1	1
3	0	0	0	1	0	1	0	1	1	1	0	1
4	0	0	0	0	1	0	1	0	1	1	1	0
5	0	0	0	0	0	1	0	1	0	1	1	1
s_2	1	0	1	0	1	1	1	0	1	1	0	0

TABLE 8.7.2 Unscrambled Bit Sequence for Example 8.7.1

Time	1	2	3	4	5	6	7	8	9	10	11	12
s_2'	1	0	1	0	1	1	1	0	1	1	0	0
1	0	1	0	1	0	1	1	1	0	1	1	0
2	0	0	1	0	1	0	1	1	1	0	1	1
3	0	0	0	1	0	1	0	1	1	1	0	1
4	0	0	0	0	1	0	1	0	1	1	1	0
5	0	0	0	0	0	1	0	1	0	1	1	1
s_3	1	0	0	0	0	0	0	0	0	0	0	0