



(a) Parity calculation

0	1	1	1	0	1
0	1	1	1	0	1
0	1	0	0	0	1
0	1	0	1	1	1
0	0	0	1	1	0

(b) No errors

0	1	1	1	0	1
0	0	1	1	0	1
0	1	0	0	0	1
0	1	0	1	1	1
0	0	0	1	1	0

row parity error

column parity error

(c) Correctable single-bit error

0	1	1	1	1	1	0	1
0	0	1	1	0	1	1	0
0	0	1	1	0	0	1	1
0	0	0	0	0	0	0	0
1	0	1	1	1	1	1	0
1	1	0	0	0	1	1	0

(d) Uncorrectable error pattern

Figure 6.3 A Two-Dimensional Even Parity Scheme