





















































## **BCH Code** encode\_bch() { register int i, j; register int feedback; for (i = 0; i < length - k; i++)</pre> bb[i] = 0;for (i = k - 1; i >= 0; i--) { feedback = data[i] ^ bb[length - k - 1]; **if** (feedback != 0) { for (j = length - k - 1; j > 0; j--)**if** (g[j] != 0) $bb[j] = bb[j - 1] \land feedback;$ else bb[j] = bb[j - 1];bb[0] = g[0] && feedback;} **else** { for (j = length - k - 1; j > 0; j--)bb[j] = bb[j - 1];bb[0] = 0;} } } ECE382M.20: SoC Design, Lecture 2 © 2023 A. Gerstlauer 28



























