

$$C(x) = 10010010001110$$

$$C(x) + E(x) = 1001001000100010$$

$$G(x) : x^4 + x^3 + 1 \rightarrow 11001$$

$$\begin{array}{r}
 11001 \overline{) 0000111010001100} \\
 \underline{100100100010} \\
 010110 \\
 \underline{11001} \\
 11111 \\
 \underline{11001} \\
 0011000 \\
 \underline{11001} \\
 000010100 \\
 \underline{11001} \\
 11010 \\
 \underline{11001} \\
 1110
 \end{array}$$

$$R(x) = 1110, \text{ 177 Error}$$