

HW #6

1. In Example 4.6, with the received sequence $\bar{r} = (1001010)$ please illustrate the decoding steps.
2. Devise a decoding circuit for $(7, 3)$ Hamming code generated by $g(X) = (X + 1)(X^3 + X + 1)$. The decoding circuit corrects all the single error patterns and all the double-adjacent-error patterns.