HW # 7

1. Find the generator matrix of RM(1, 3), and its code length, and minimum Hamming distance.

2. If an input $\bar{u} = (1,0,1,0)$, what's its corresponding codeword $\bar{v}$?

3. Following the previous problem, find all corresponding check sums for (a_0, a_1, a_2, a_3).

4. If a received code sequence $\bar{r} = (10110011)$, what's the output (or codeword) of RM decoder?