Gentrat Krumign Love 3 ohe 4 181944739 $G = \begin{cases} 1 & 1 & 0 & 0 \\ 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{cases}$ a) $\begin{bmatrix} 1 & 1 & 0 & 0 \\ 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 0 & 0 \\ 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 0 & 0 \\ 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 0 & 0 \\ 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 0 & 0 \\ 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 0 & 0 \\ 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 0 & 0 \\ 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 0 & 0 \\ 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 0 & 0 \\ 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 0 & 0 \\ 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix} \begin{bmatrix} 1 & 1 & 0$ 01011 1001 R1 $\mathcal{L}) \\ \mathcal{H} = \left[P^{T} , I_{m-k} \right]$ + 1001 R1 1001 R H = [10 1 1 m-h] +0101 R3 $G = \begin{bmatrix} 1001 \\ 0101 \\ 0010 \end{bmatrix}$ 1001 R

C= { 0000, 1001,0101,0010,1000,1011,011)} 0 0 0 1.

+0010 R2

10111

0 010

6) a+c = {000,1001,0101,0010,1100,1011) 0000+6 1000 + 6 = {1000,0001,1101,1010,0100,001,1111} 0100+ C = {0106,1101,0001,0110, 1006,111;0017} 0010+C: (0010, 1011,0111,0600, 1110, 1001,0101) 0000 0111 1001 0101 1000 1111 0001 1101 0100 0011 0001 1100

 $\begin{bmatrix} 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 \end{bmatrix} \cdot \begin{bmatrix} 1 \\ 1 \\ 0 \end{bmatrix} = \begin{bmatrix} 0 \end{bmatrix}$ $\begin{bmatrix} 0 & 0 & 0 \\ 1 \end{bmatrix} = \begin{bmatrix} 0 \end{bmatrix}$

 $\begin{bmatrix} 1 & 0 & 0 & 0 \end{bmatrix} \cdot \begin{bmatrix} 1 & 1 & 0 & 0 \\ 1 & 1 & 0 & 0 \end{bmatrix} = \begin{bmatrix} 1 & 1 & 0 & 0 \\ 1 & 1 & 0 & 0 \end{bmatrix} = \begin{bmatrix} 0 & 0 & 1 & 0 \\ 1 & 1 & 0 & 0 \end{bmatrix} = \begin{bmatrix} 0 & 0 & 0 & 0 \\ 1 & 1 & 0 & 0 \end{bmatrix}$ $\begin{bmatrix} 1 & 0 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 \end{bmatrix} = \begin{bmatrix} 0 & 0 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 & 0 \end{bmatrix}$ $\begin{bmatrix} 1 & 0 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 & 0 \end{bmatrix} = \begin{bmatrix} 0 & 0 & 0 & 0 & 0 \\ 1 & 0 & 0 & 0 & 0 \end{bmatrix}$

 $J(nnn) = [nnn] \cdot \begin{bmatrix} \gamma \\ 0 \\ 1 \end{bmatrix} = [n]$ n - e = nnn - nooe=onn n - e = nnn - nooe=non

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C = \begin{cases} 00000, 101, 0101, 0010, 1000, 1001, 0111 \end{cases} \\
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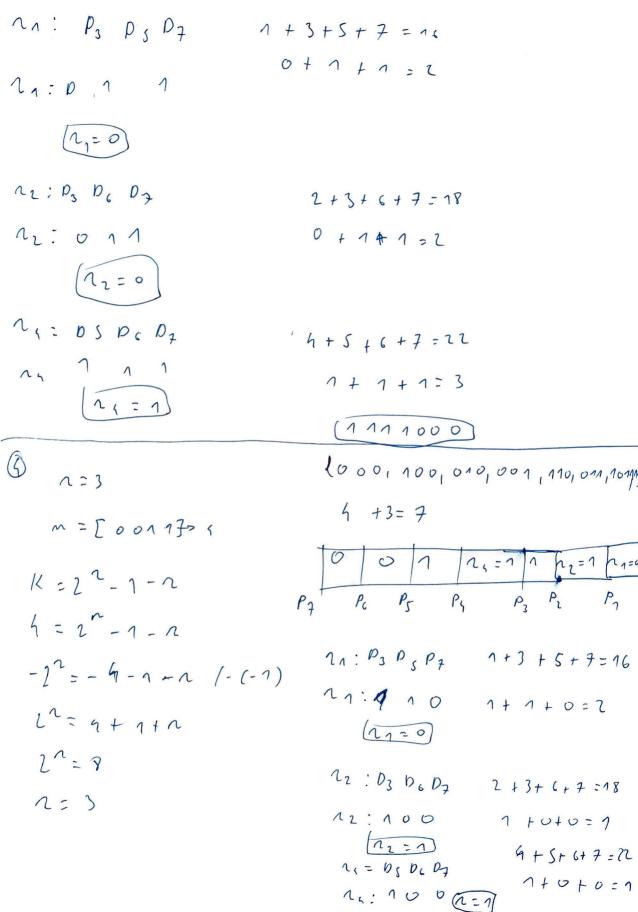
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$$C =$$



6 1= [0011101] By Po PsayDanz na 1 + 3 + 5 + 7 = 1611=1 D3 D5 D7 1+1+1+0 = 3 Tek Galin 111111 2+3+6+7=18 12=0 D3 D6 D7 0 +1+0+0=1 Teh Gulin 1 0 6 4+5+6+7=22 14=1 DS D6 P7 Gift 1 + 1 + 0 + 0 = 2 100 m = [001/1 d1 (Pg=1 -> Dg=0

m = [000]

(2)
$$m = \int_{x_0}^{0.11} x^3$$

 $g(x) = x^6 + x^4 + 1$
 $m(x) = x + x^2 + x^3$
 $x^3 \cdot (m(x) = x^3 \cdot (x^3 + x^2 + x)) = x^6 + x^5 + x^6$
 $x^6 + x^5 + x^6 : x^6 + x + 1 = x^2 + x + 1$
 $x^6 + x^3 + x^2$
 $x^5 + x^2 + x$
 $x^5 + x^4 + x^3 + x^2$
 $x^5 + x^4 + x^3 + x^2$
 $x^5 + x^2 + x$
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 $= x^6 + x^5 + x^6 + x^3 + 1$

 $y(x) = x^5 + x^7 + n + n$ $x_3 + x_2 + x_1 + x_2 + x_3 + x_4 + x_5 + x_5$ X3 + x5 + x5 + x3 U x7+x6+x5+x3 x7 + x1 + x3 + x2 X6 + X5 + x3+1 Shih hu yalin X + X3 + X2 + X X + X 2 + · X + 1 X + x2 + x + 1 00