## Exercises Week 13 (Lature 12)

Ex. Set 6:

$$C = C_0 C_1 C_2 \frac{1}{4} C_4 \frac{1}{5} \frac{1}{6} \frac{1}{1}$$

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

$$\mathbb{O} = (C_0 \oplus C_1 \oplus C_2 \oplus \hat{\lambda}_3 \oplus C_4 \oplus \hat{i}_5 \oplus \hat{i}_6 \oplus \hat{i}_7 = )$$

$$0 = C_4 \oplus 1 \oplus 1 \oplus 0 = C_4 = 0$$

$$0 = c_z \oplus 1 \oplus 1 \oplus 0 \Rightarrow c_{\underline{y}} = 0$$

$$0 = \widehat{C_{2}} \oplus \widehat{I} \oplus \widehat{I} \oplus \widehat{I} = \widehat{C_{1}} = \widehat{C_{1}} \oplus \widehat{I} \oplus \widehat{I}$$

$$\frac{2}{2} = \frac{2}{11} \times 12^{7} \qquad \Rightarrow \qquad \frac{2}{5} \begin{pmatrix} 0 \\ 0 \\ 0 \\ 0 \end{pmatrix} = \begin{bmatrix} 1 & 1 & 1 & 1 \\ 0 & 0 & 0 & 1 & 1 \\ 0 & 1 & 0 & 1 & 0 \end{bmatrix} \cdot \begin{bmatrix} 1 \\ 0 \\ 1 \\ 0 \end{bmatrix} \leftarrow \begin{bmatrix} 2 & 0 \\ 0 \\ 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 0 \\ 0 \\ 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 0 \\ 0 & 0 & 1 & 1 \\ 0 & 1 & 0 & 1 \end{bmatrix} \cdot \begin{bmatrix} 1 \\ 0 \\ 1 \\ 0 \\ 0 \end{bmatrix} \leftarrow \begin{bmatrix} 2 & 0 \\ 0 \\ 0 \\ 0 \end{bmatrix} \Rightarrow \begin{bmatrix} 2 & 0 \\$$

$$n^{T}$$

$$\frac{2}{5} = \frac{1}{6} = \frac{1}{6} = \frac{1}{6}$$

We have evens  $= \frac{1}{2} = \frac{1}{6} = \frac{1}{6}$ 

2 to We have errors! => 20=0 Zerrors! => Count fix them.