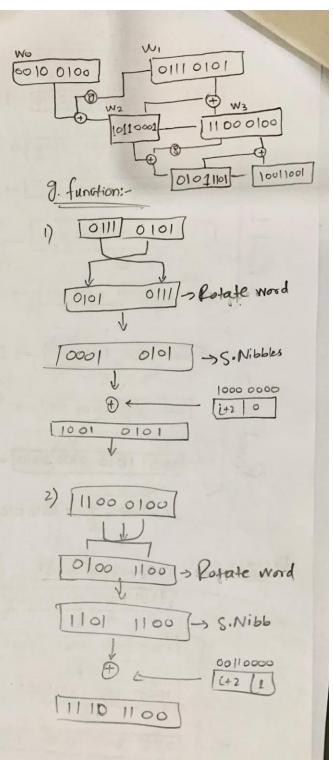
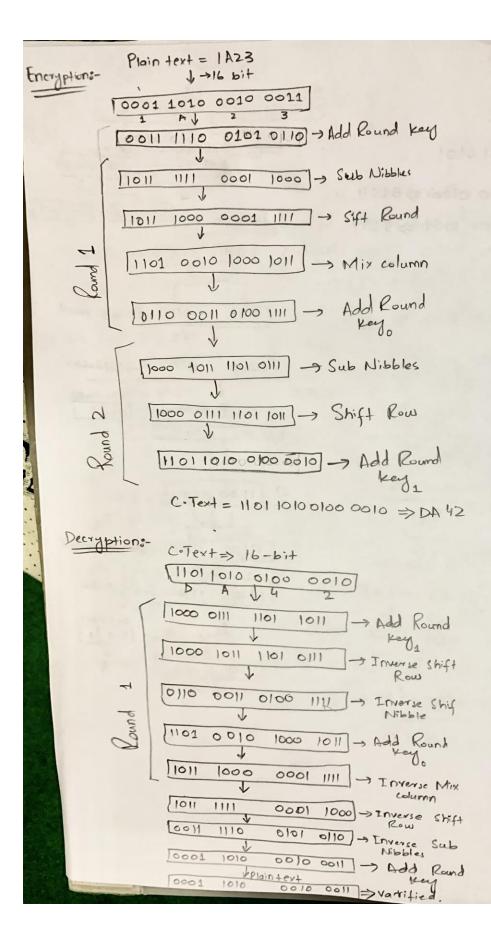
## Key Generations-Given: (2475)16

Key=0010 0100 0111 0101 Key= 1011 0001 1100 0100 ⇒ B1C4 Key=010 1101 1001 1001 ⇒ 5099





$$\begin{bmatrix} 2 \cdot w \\ 4 \end{bmatrix} \begin{bmatrix} 8 & 1 \\ 8 & F \end{bmatrix} \Rightarrow \begin{bmatrix} 0 & 87 \\ 2 & 8 \end{bmatrix}$$

$$\begin{bmatrix} 9 & 2 \\ 2 & 9 \end{bmatrix} \begin{bmatrix} 0 & 8 \\ 2 & B \end{bmatrix} \Rightarrow \begin{bmatrix} 8 & 1 \\ 8 & F \end{bmatrix}$$

9x D+2 x 2 1001 1101 0010 0010 (n3+1) (n3+12+1)+(n) (n) 2+25+22+22+1+22 2+24 2+24 2+24 2+24 2+3+22+1 25+22+1 2

(M) (N3+x3+1) + (N3+1) (N)

(M) (N3+x3+1) + (N3+1) (N)

 $(9^3+1)(19^3)+(1)(19^3+11+1)$ n6+ n3+ n4+ n2+ x  $(4)(43) + (n_3+1)(n_3+n+1)$ NA+ N6+ X + X + X + X + N+1