

CIFB

4)

A8B9

$$X1 = 1010 \ 1000$$

$$IV = A9 = 1010 \ 1001$$

$$X2 = 1011 \ 1001$$

$$Key = 1100 \ 0101$$

$$\begin{array}{r}
 1010 \ 1001 \ \text{xor} \ 1100 \ 0101 \\
 1100 \ 0101
 \end{array}$$

$$0110 \ 1100 = IV = 6C$$

$$X1 = 1010 \ 1000 \ \text{xor} \ 0110 \ 1100$$

$$1010 \ 1000 \ 0100 = 84$$

$$1000 \ 0100 \ \text{xor} \ 1100 \ 0101$$

$$0100 \ 0001 = 41$$

$$1000 \ 0100 \ \text{xor} \ 0100 \ 0001$$

$$1100 \ 0101 = C5$$

84C5