CSS322

CSS322 – Block Ciphers and DES Notes

Figure 1: Ideal Block Cipher Example; Lecture 04

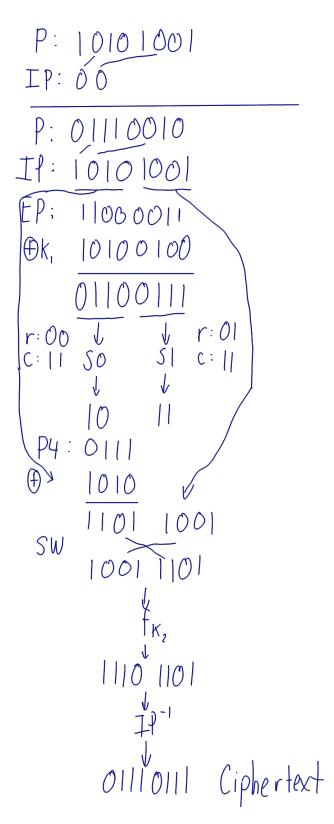


Figure 2: Simplified DES Example; Lecture 05

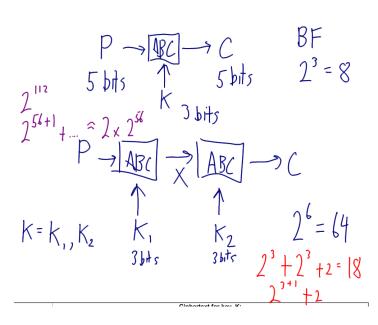


Figure 3: Single Encryption vs Double Encryption; Lecture 06

$$\begin{array}{c} \text{Meet-in-the-niddle} & \text{attack} \\ & (01101, 1111) \\ & P_1 \\ & C_1 \\ & P_2 \\ & C_2 \\ & C_1 \\ & P_2 \\ & C_2 \\ & P_2 \\ & P_2 \\ & C_2 \\ & P_2 \\ & P_2 \\ & C_2 \\ & P_2 \\ & P_2 \\ & C_2 \\ & P_2 \\ & P_2 \\ & C_2 \\ & P_2 \\ & P_2 \\ & C_2 \\ & P_2 \\ & P_2 \\ & C_2 \\ & P_2 \\ & P_2 \\ & C_2 \\ & P_2 \\ & P_2 \\ & C_2 \\ & P_2 \\ & P_2 \\ & C_2 \\ & P_2 \\ & P_2 \\ & P_2 \\ & C_2 \\ & P_2 \\ &$$

Figure 4: Meet-in-the-Middle Attack on Double Encryption; Lecture 06

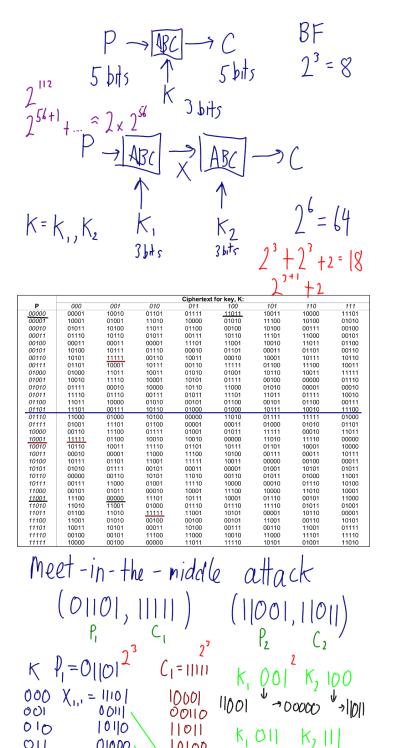


Figure 5: Double Encryption and Meet-in-the-Middle with Demo Cipher; Lecture 06

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