

NATURAL SERVICE DE PERCHEPERT PERCHEPERT PROPERTOR PARTICIONAL PROPERTOR PRO Page 2. 3. According to the decryption logic for CBC, OFB, CTR, only CBC requires another cipher block to decrypt a cipher block Thus, in OFB and CTR, a single-bit error in the apherblock has no effect on decrypting other blocks. If a cipherblock cx has a single-bit error, CBC will fail to decrypt 2 blocks Ck and Ck+1, OFB and CTR will only fail to decrypt I block ck. byte recover [m] for (int i=0; i< m; itt) { int time [256] for (byte b=0; b<256; b++) } recover[i]=b Vrfyk (m, recover) time [b] = time to execute Vify } = 10 mox (recover[i]= argmax (recover[b]) For the outer loop, the first iteration takes 2567 ms, the second iteration takes 256×27 ms, ... the mth iteration takes 256× mT seconds. In total, it takes 256 x (T+2T+ ···+mT) $=\frac{m(1+m)}{2} \times 2567$ = 128 m (1+m) T ms