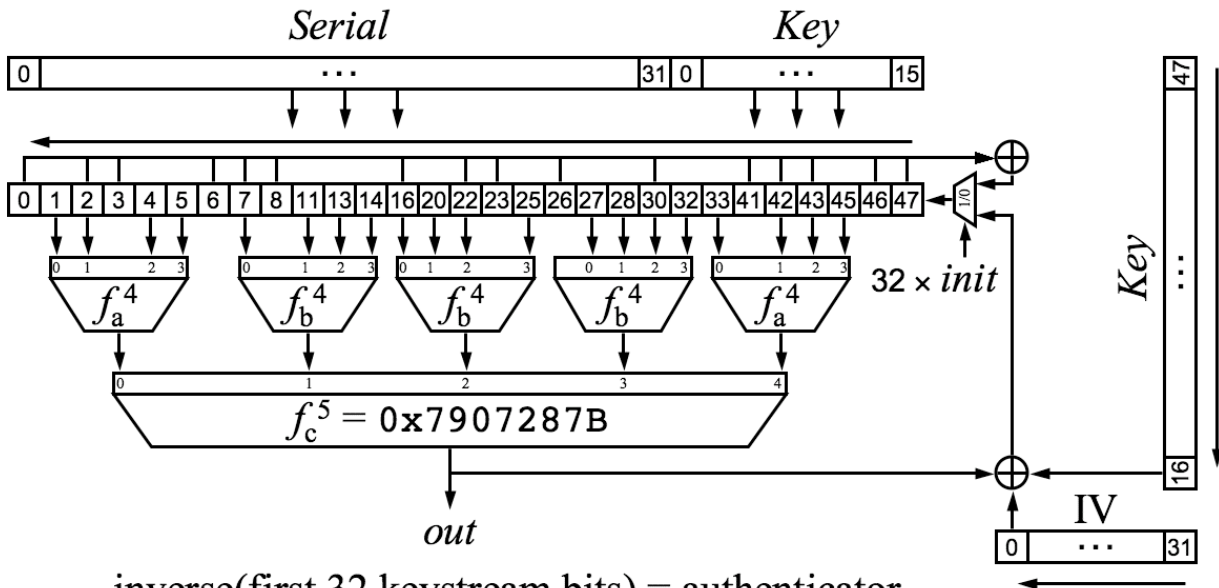


Hitag2 Cipher



inverse(first 32 keystream bits) = authenticator

$$f_a^4 = 0x2C79 = abc+ac+bc+ad+a+b+d+1$$

$$f_b^4 = 0x6671 = abd+acd+bcd+ab+ac+bc+a+b+d+1$$