Friday, March 31, 2023

Stream aphers (XOR aphers)

X=SO,..., 2513, OTP

MEX" 
$$E_{\ell}(mkc) = m \oplus \ell$$
 $E_{\ell}(mkc) = m \oplus \ell$ 
 $E_{\ell}(mkc)$ 

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MACTIMAMOL Bitflip attack Attack inthe middle  $M \oplus \xi = C \longrightarrow M'/M'()$ (= ( & M & m ) 1011 00 AV. 1010/11/1/ 0001/110/1 0001/11 00001001 0001001 1010/11/10 XOR ciphers are inspired by OTP but use PSrg with seed as key Solution for key reuse I V: Initialization rector (Public) (: Private las for energot For E( &=f(IV,K)  $(=E_{\xi}(m)$ 

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