13   Ode to ECB

by Ben Nagy

Oh little one, you're growing up
You'll soon be writing C
You'll treat your ints as pointers
You'll nest the ternary
You'll cut and paste from github
And try cryptography
But even in your darkest hour
Do not use ECB

CBC's BEASTly when padding's abused
And CTR's fine til a nonce is reused
Some say it's a CRIME to compress then encrypt
Or store keys in the browser (or use javascript)
Diffie Hellman will collapse if hackers choose your g
And RSA is full of traps when e is set to 3
Whiten! Blind! In constant time! Don't write an RNG!
But failing all, and listen well: Do not use ECB

They'll say "It's like a one-time-pad!
The data's short, it's not so bad
the keys are long—they're iron clad
I have a PhD!"
And then you're front page Hacker News
Your passwords cracked—Adobe Blues.
Don't leave your penguin showing through,
Do not use ECB

Sometimes it can seem like there's ECB everywhere. ECB on TV, ECB in music, it's endless. But that doesn't make it safe. Or right. So tune out and avoid ECB, no matter what your friends, the TV, or your favourite cryptographer tells you.

You'll be glad you did!

Canadian Joke Council

True Bugs Wait ♡

@natashenka

#truebugswait

47