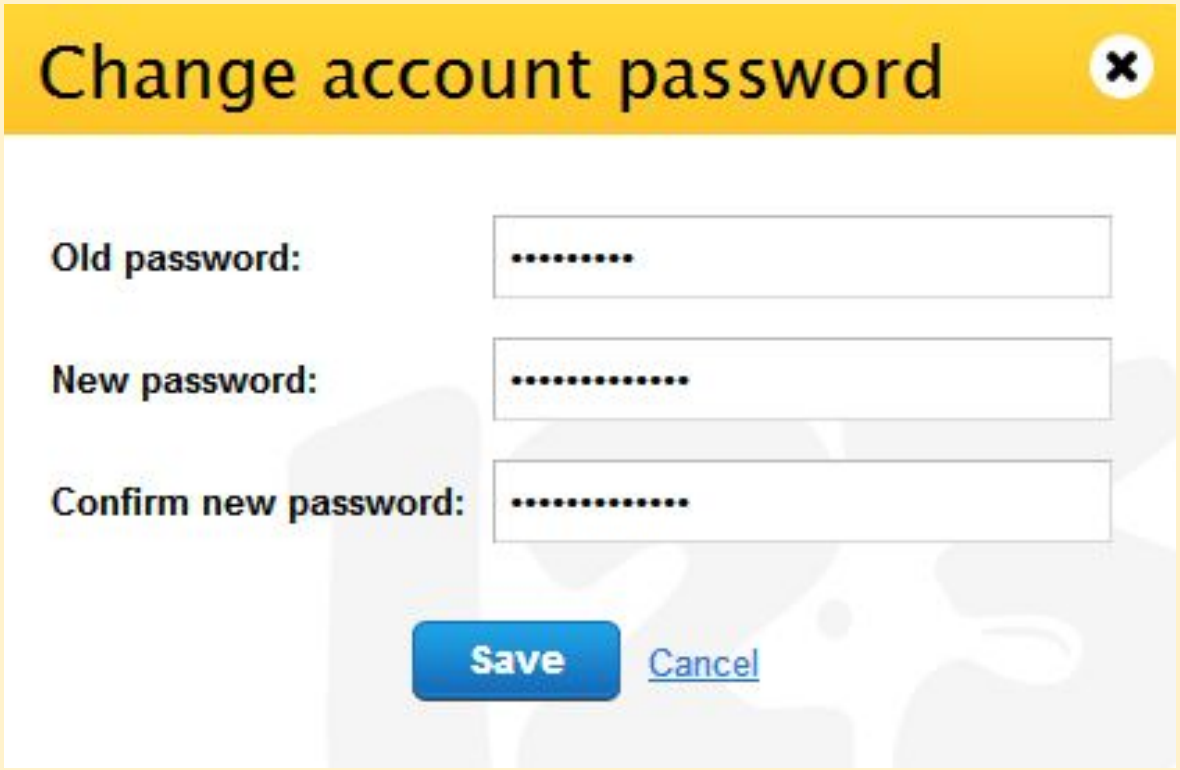
Password Security

What rules are likely to apply?

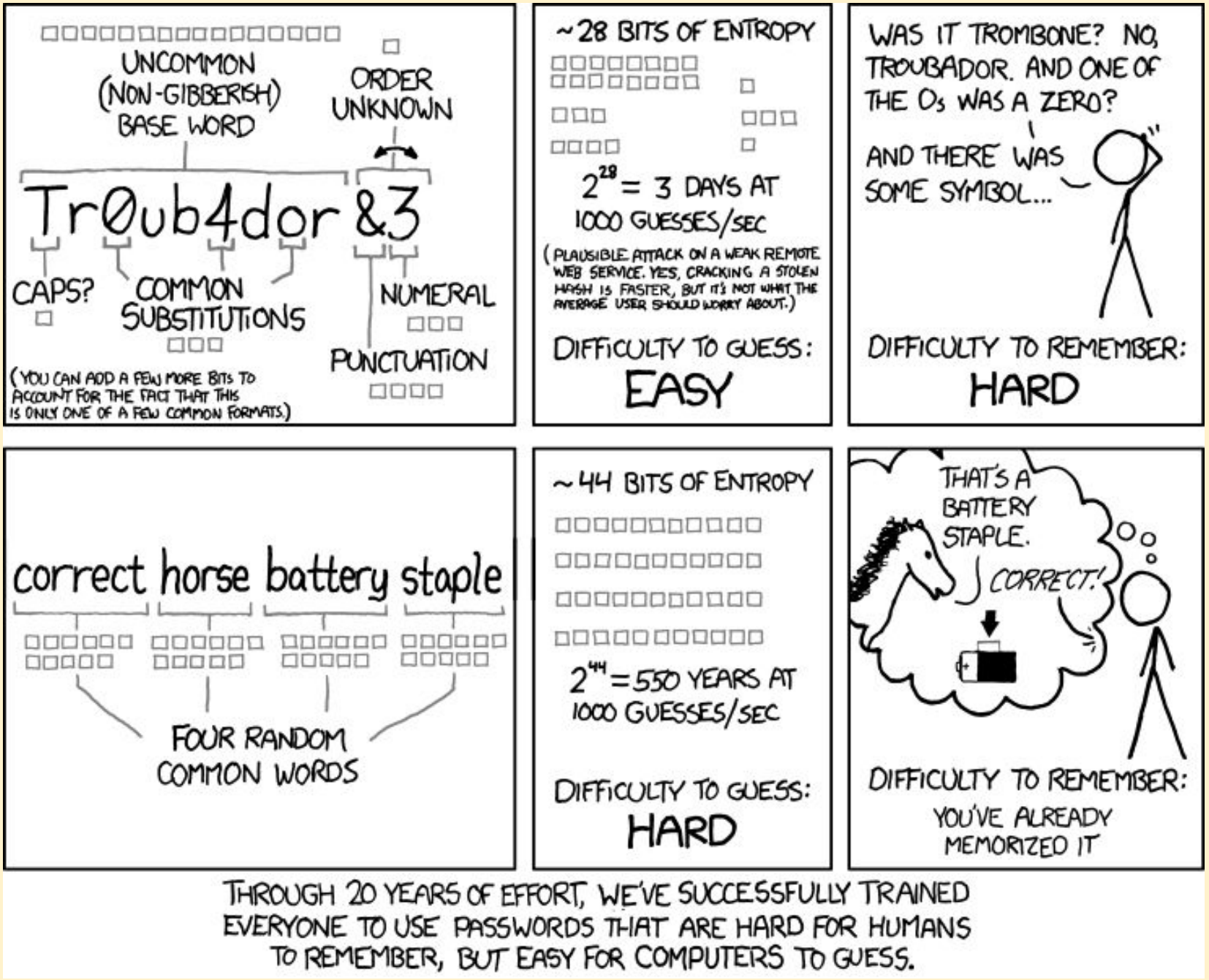


Password Security

- uppercase letter?
- number?
- symbol?
- length?
- changed frequently?
- avoid common words?

Password Security

- ~~uppercase letter?~~ - usually at start
- ~~number?~~ - usually at end; 1 frequent
- symbol? - better, but watch @, 4, 3, 5 etc...
- ~~length?~~ - but 6-8 is too short
- ~~changed frequently?~~ - just add number
- avoid common words? - yes, but...



https://xkcd.com/936/

Password Security

Given that the biggest problem is dictionaries of passwords compiled from past hacks:

- “Our focus should be on protecting passwords against **informed statistical attacks** and not brute-force attacks.”
- “When you do have to choose a password, one of the most important selection criterion should be **how many other people have also chosen that same password”**

https://diogomonica.com/2014/10/11/password-security-why-the-horse-battery-staple-is-not-correct/

Password Security

Password managers allow complex passwords to be set and remembered by machines and are increasingly seen as preferable to users setting their own passwords

- “Choosing a password should be something you do very infrequently”