

TL;DR ONLINE SAFETY

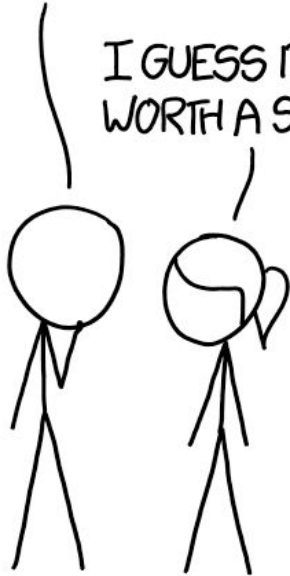
You Don't Have to Outrun the Bear

WE'VE BEEN TRYING FOR DECADES TO
GIVE PEOPLE GOOD SECURITY ADVICE.
BUT IN RETROSPECT, LOTS OF THE
TIPS ACTUALLY MADE THINGS WORSE.



MAYBE WE SHOULD TRY
TO GIVE *BAD* ADVICE?

I GUESS IT'S
WORTH A SHOT.



SECURITY TIPS

(PRINT OUT THIS LIST AND KEEP IT
IN YOUR BANK SAFE DEPOSIT BOX.)

- DON'T CLICK LINKS TO WEBSITES
- USE PRIME NUMBERS IN YOUR PASSWORD
- CHANGE YOUR PASSWORD MANAGER MONTHLY
- HOLD YOUR BREATH WHILE CROSSING THE BORDER
- INSTALL A SECURE FONT
- USE A 2-FACTOR SMOKE DETECTOR
- CHANGE YOUR MAIDEN NAME REGULARLY
- PUT STRANGE USB DRIVES IN A BAG OF RICE OVERNIGHT
- USE SPECIAL CHARACTERS LIKE & AND %
- ONLY READ CONTENT PUBLISHED THROUGH TOR.COM
- USE A BURNER'S PHONE
- GET AN SSL CERTIFICATE AND STORE IT IN A SAFE PLACE
- IF A BORDER GUARD ASKS TO EXAMINE YOUR LAPTOP, YOU HAVE A LEGAL RIGHT TO CHALLENGE THEM TO A CHESS GAME FOR YOUR SOUL.

YOU'RE NOT THE TARGET...

...you're just *a* target.

If you're safer than 80% of the audience, hackers likely won't spend the effort.



IF YOU ARE THE TARGET...

...you're probably doomed.

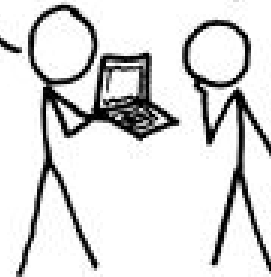
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A CRYPTO NERD'S
IMAGINATION:

HIS LAPTOP'S ENCRYPTED.
LET'S BUILD A MILLION-DOLLAR
CLUSTER TO CRACK IT.

NO GOOD! IT'S
4096-BIT RSA!

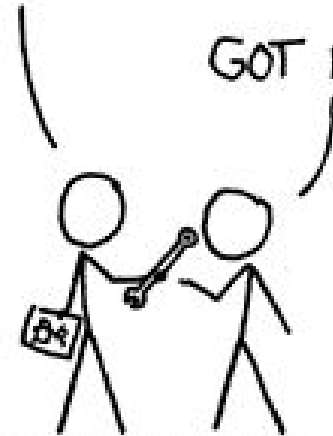
BLAST! OUR
EVIL PLAN
IS FOILED!



WHAT WOULD
ACTUALLY HAPPEN:

HIS LAPTOP'S ENCRYPTED.
DRUG HIM AND HIT HIM WITH
THIS \$5 WRENCH UNTIL
HE TELLS US THE PASSWORD.

GOT IT.

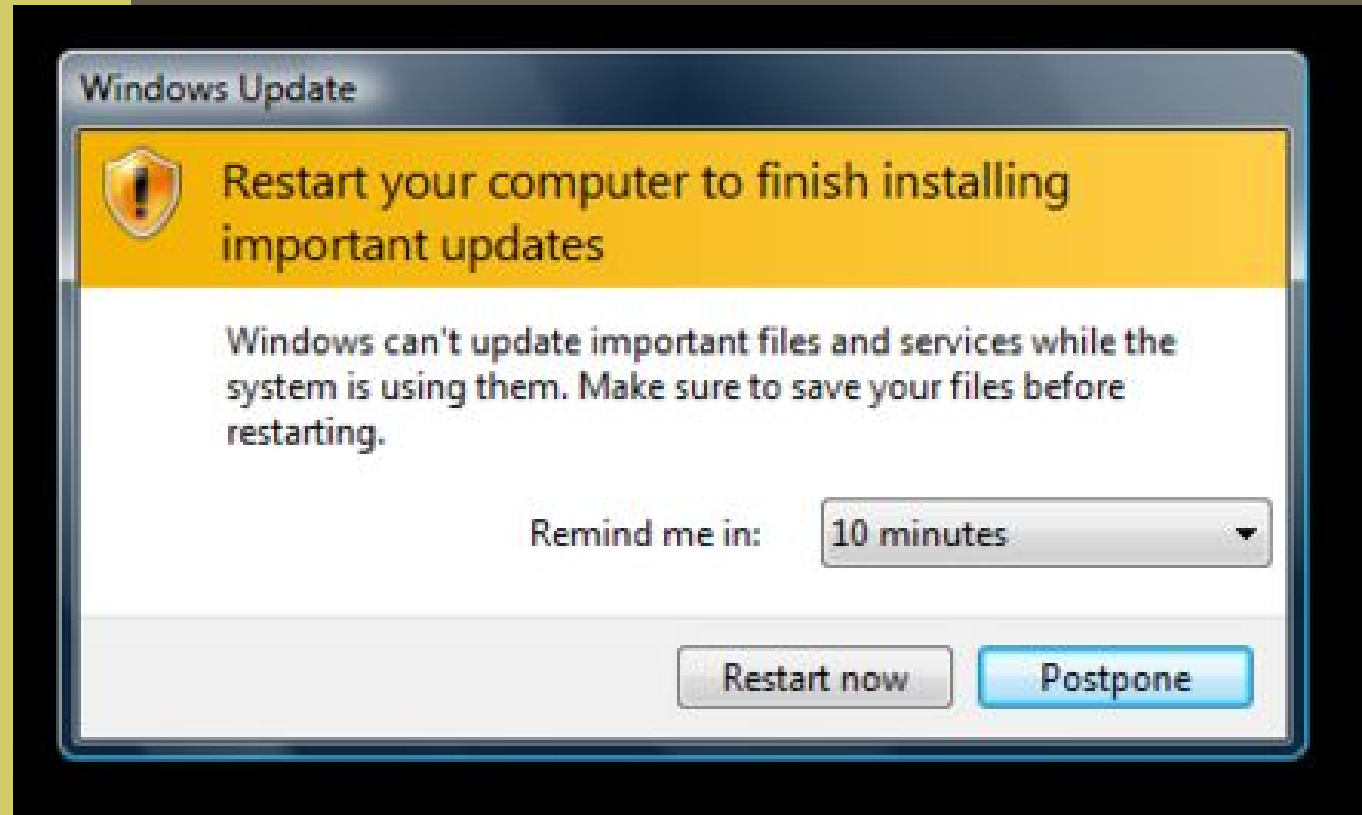


TL;DR SAFETY TIPS

- Stay patched!
- Don't get phished.
- Your password sucks.
- In fact, *all* passwords suck.
- Pay attention to physical security too.

STAY PATCHED

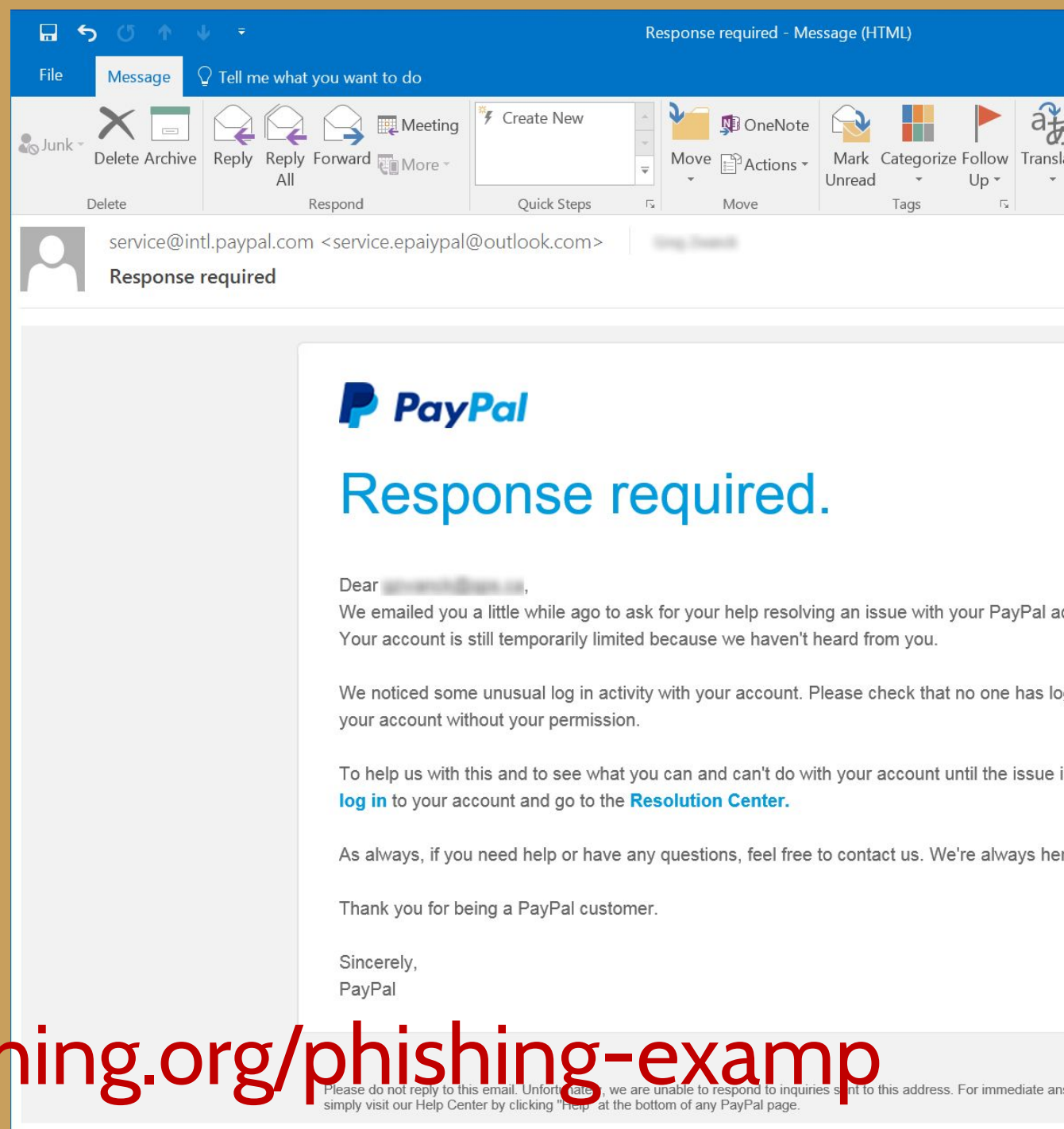
If you never patch,
every bug is a zero-day.



DON'T GET PHISHED

Check domain names carefully
Look for the lock icon

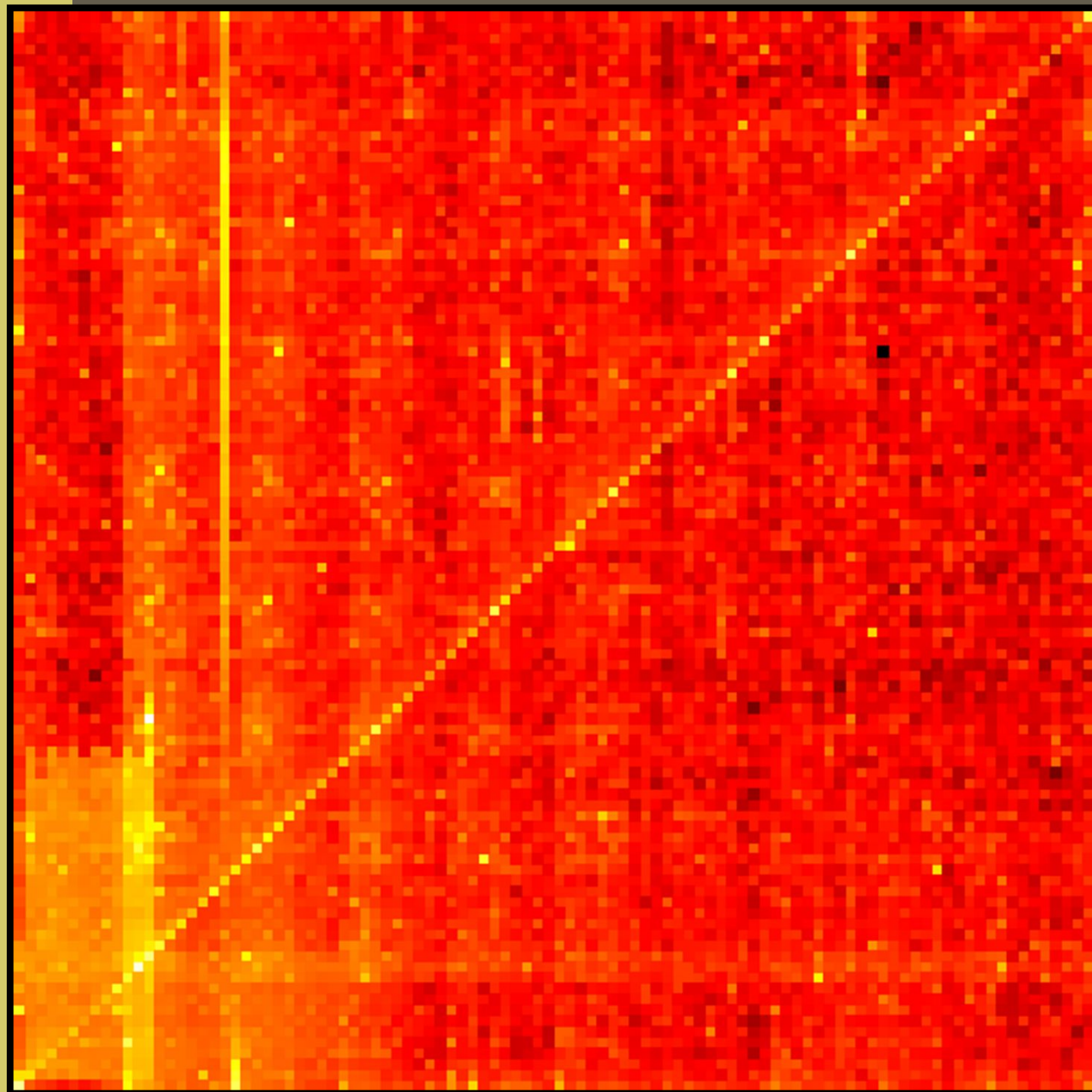
<http://www.phishing.org/phishing-examp>



YOUR PASSWORD SUCKS

	PIN	Freq
#1	1234	10.713%
#2	1111	6.016%
#3	0000	1.881%
#4	1212	1.197%
#5	7777	0.742%
#6	1004	0.612%
#7	2000	0.612%
#8	4444	0.521%
#9	2222	0.511%
#10	6969	0.511%
#11	9999	0.451%
#12	3333	0.411%
#13	5555	0.391%
#14	6666	0.391%
#15	1122	0.361%
#16	1313	0.301%
#17	8888	0.301%
#18	4321	0.291%
#19	2001	0.291%
#20	1010	0.281%

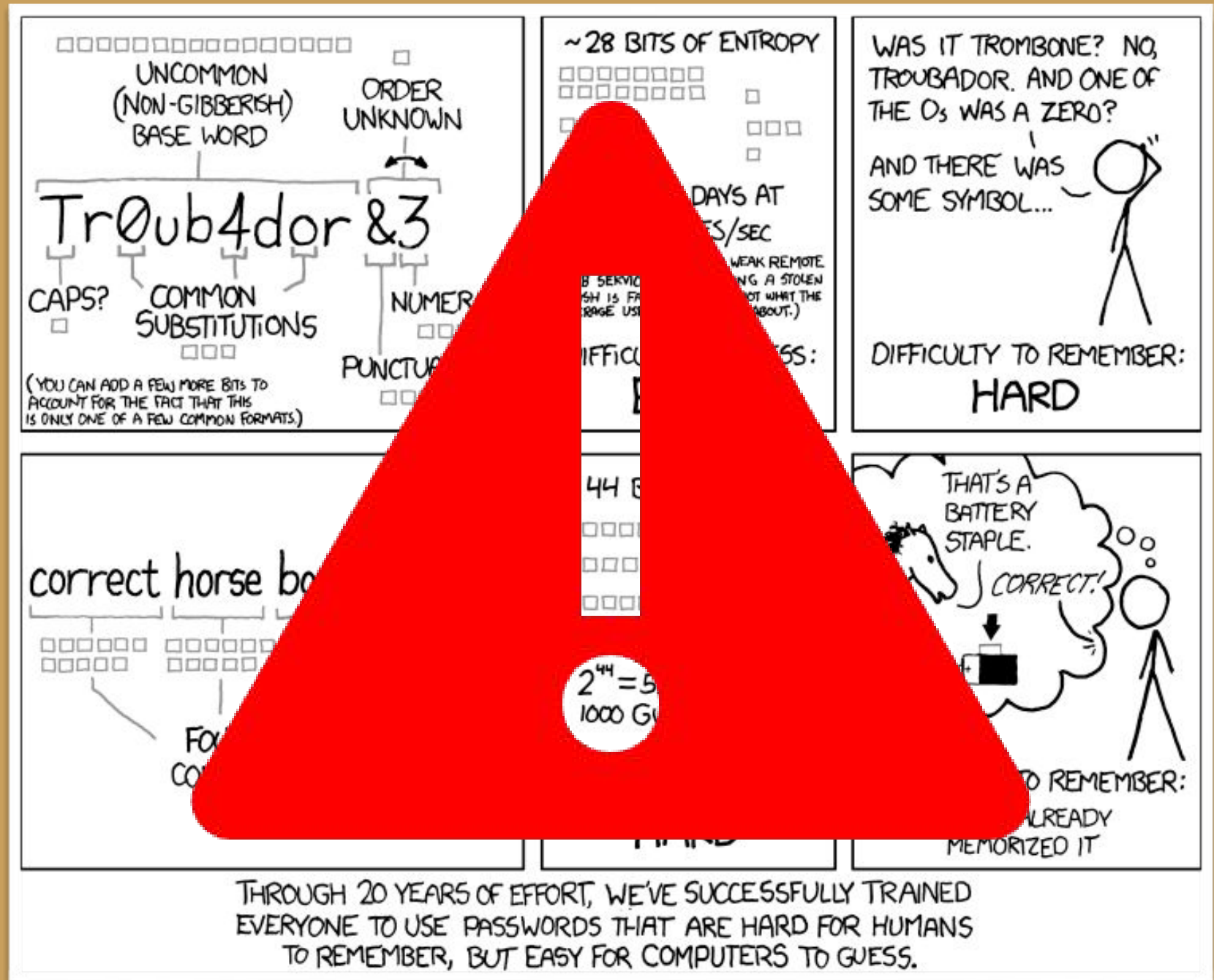
	PIN	Freq
#9980	8557	0.00119%
#9981	9047	0.00116%
#9982	8438	0.00116%
#9983	0439	0.00116%
#9984	9539	0.00116%
#9985	8196	0.00113%
#9986	7063	0.00113%
#9987	6093	0.00113%
#9988	6827	0.00110%
#9989	7394	0.00110%
#9990	0859	0.00107%
#9991	8957	0.00104%
#9992	9480	0.00104%
#9993	6793	0.00101%
#9994	8398	0.00098%
#9995	0738	0.00098%
#9996	7637	0.00095%
#9997	6835	0.00095%
#9998	9629	0.00095%
#9999	8093	0.00089%
#10000	8068	0.00074%



SEARCH SPACE =

$$2^{\text{ENTROPY}}$$

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$$2^{\text{ENTROPY}}$$


Getting started with login verification

Wednesday, May 22, 2013 | By Jimio (@jimio), Product Security Team [15:14 UTC]

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Every day, a growing number of people log in to Twitter. Usually these login attempts come from the genuine account owners, but we occasionally hear from people whose accounts have been compromised by email phishing schemes or a breach of password data elsewhere on the web.



Tweet

Today we're introducing a new security feature to better protect your Twitter account: login verification.

This is a form of two-factor authentication. When you sign in to twitter.com, there's a second check to make sure it's really you. You'll be asked to register a [verified phone number](#) and a [confirmed email address](#). To get started, follow these steps:

Lowest Price

Platforms	Windows, Mac, Linux	Android, iOS, Windows, Mac, Blackberry, Windows Phone, Symbian, Linux	Android, iOS, Windows, Mac	Android, iOS, Windows, Mac, Windows Phone, Linux	We
Password Strength Report	Yes	Yes	Yes	No	Ye
Secure Password Sharing	Yes	Yes	Yes	No	Ye

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PHYSICAL SECURITY ALSO MATTERS

Backup your phone

Reset before repair,
restore after repair

Beware of USB ports



T. Marie
@10a_marie

Follow



I went to get my screen fixed yesterday and the guy who fixed my screen saved his number in my phone, added me on Snapchat and IG, now my phone is going way slower than before

5:02 AM - 14 Nov 2017

151 Retweets 380 Likes



85



151



380



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- In fact, *all* passwords suck.
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