

ADVENTURES OF RECODE

MALWARE INVASION



WRITTEN BY NATALIA STAKHANOVA
ILLUSTRATED BY MEGAN DOHERTY

IDENTIFICATION

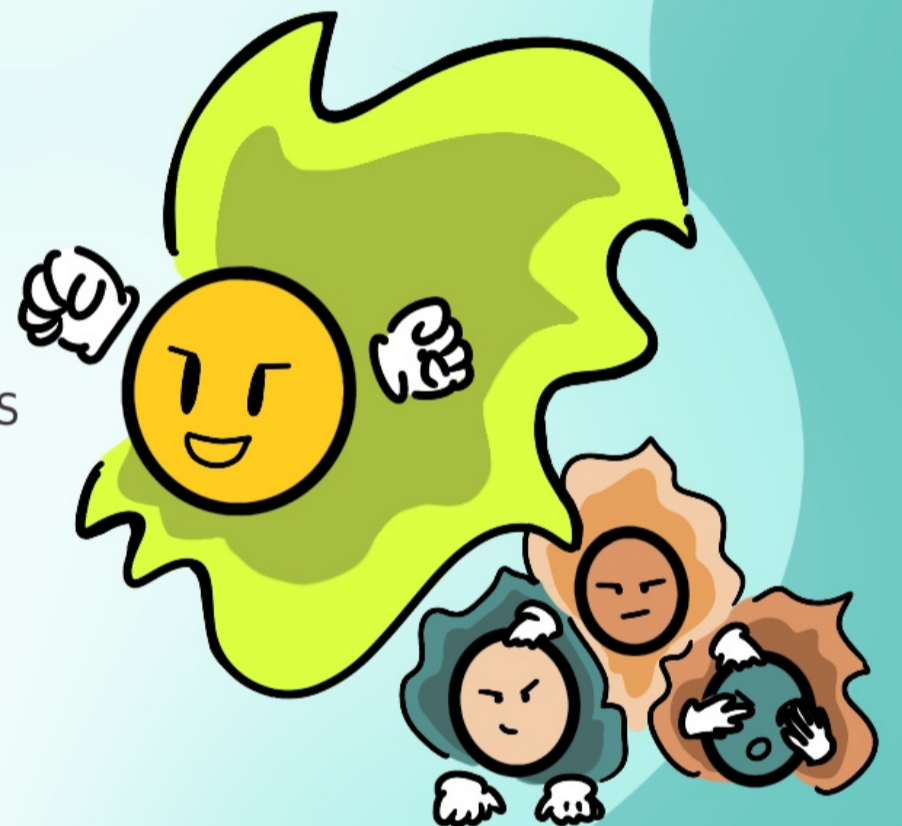


RECODE

ANASTASIA IS OUR MAIN HERO. SHE GOES BY THE NICKNAME "RECODE" WHEN SHE'S SAVING THE CYBER WORLD. HER SPECIALITY IS REVERSE ENGINEERING! ANASTASIA IS QUICK WITTED AND LOVES A CHALLENGE.

DIGIK

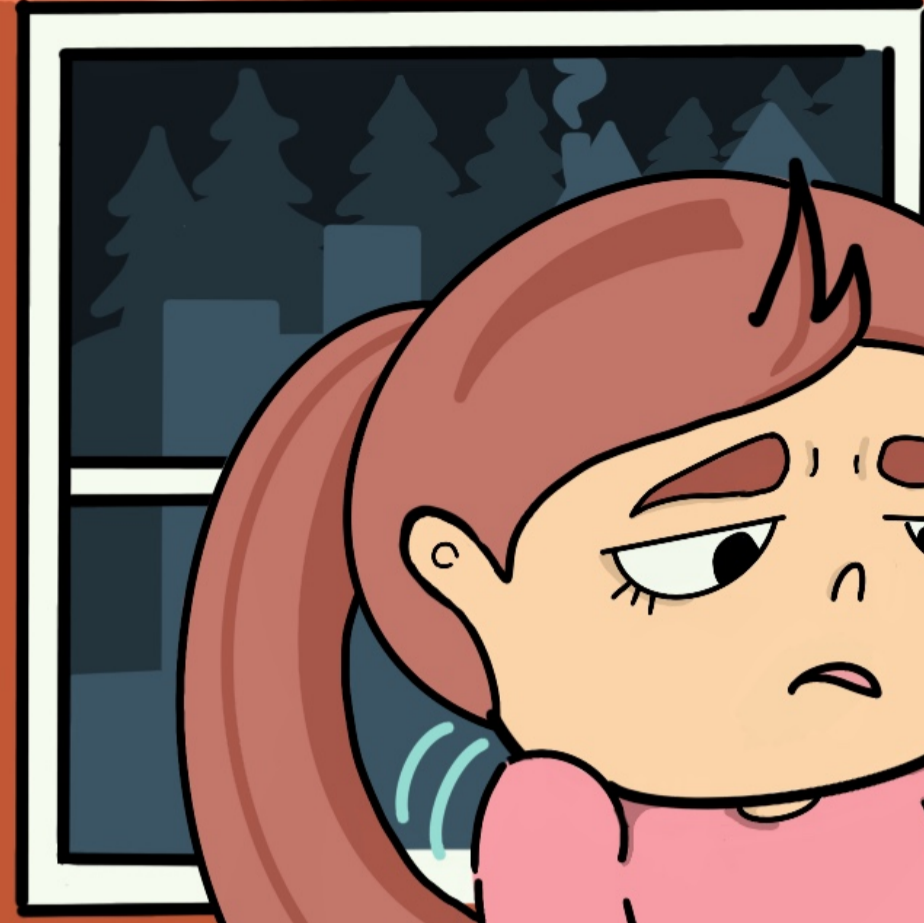
DIGIK LIVES IN ANASTASIA'S COMPUTER, AND IS HER BEST FRIEND. DIGIK CAN BE OBNOXIOUS AT TIMES. ALL COMPUTERS HAVE COMPUTER GUARDIANS LIKE DIGIK, THEY TAKE CARE OF COMPUTERS AND KEEP THEM RUNNING. MOST GUARDIANS STAY HIDDEN...BUT NOT DIGIK! DIGIK IS CURIOUS AND LOUD... THE BEST SIDEKICK!



CYEVIL

CYEVIL IS A CYBER VILLAIN THAT LOVES TO RUIN PEOPLES LIVES BY INFILTRATING THEIR TECH!

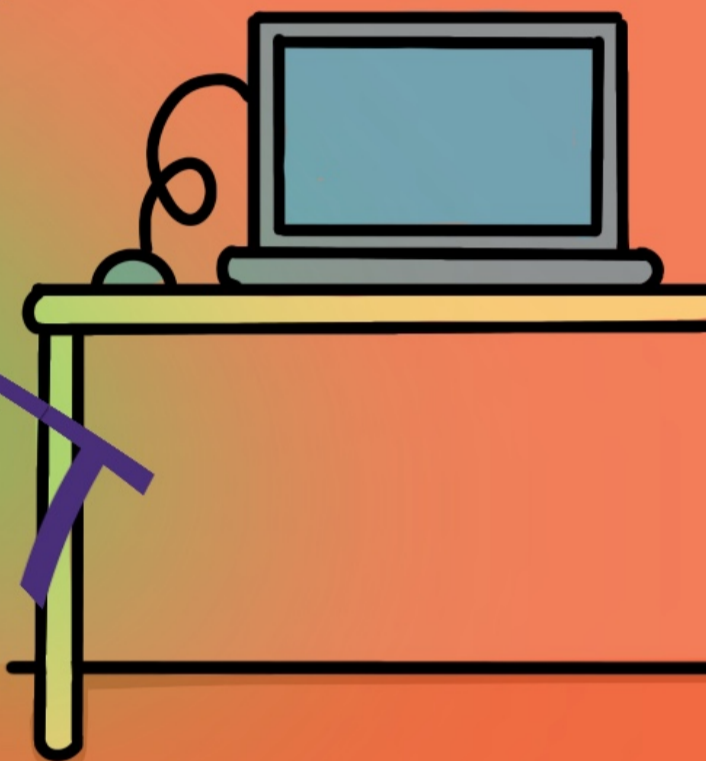
CYEVIL IS A COWARD WHO WORKS BEHIND THE SCENES, SO BEWARE OF WHATS LURKING IN YOUR COMPUTERS!



BRR..WHY IS IT SO COLD?



WHAT IS GOING ON???



BZZZTT

HAH!?
DIGIK
WE
NEED TO
GO!

LET'S GO!!!



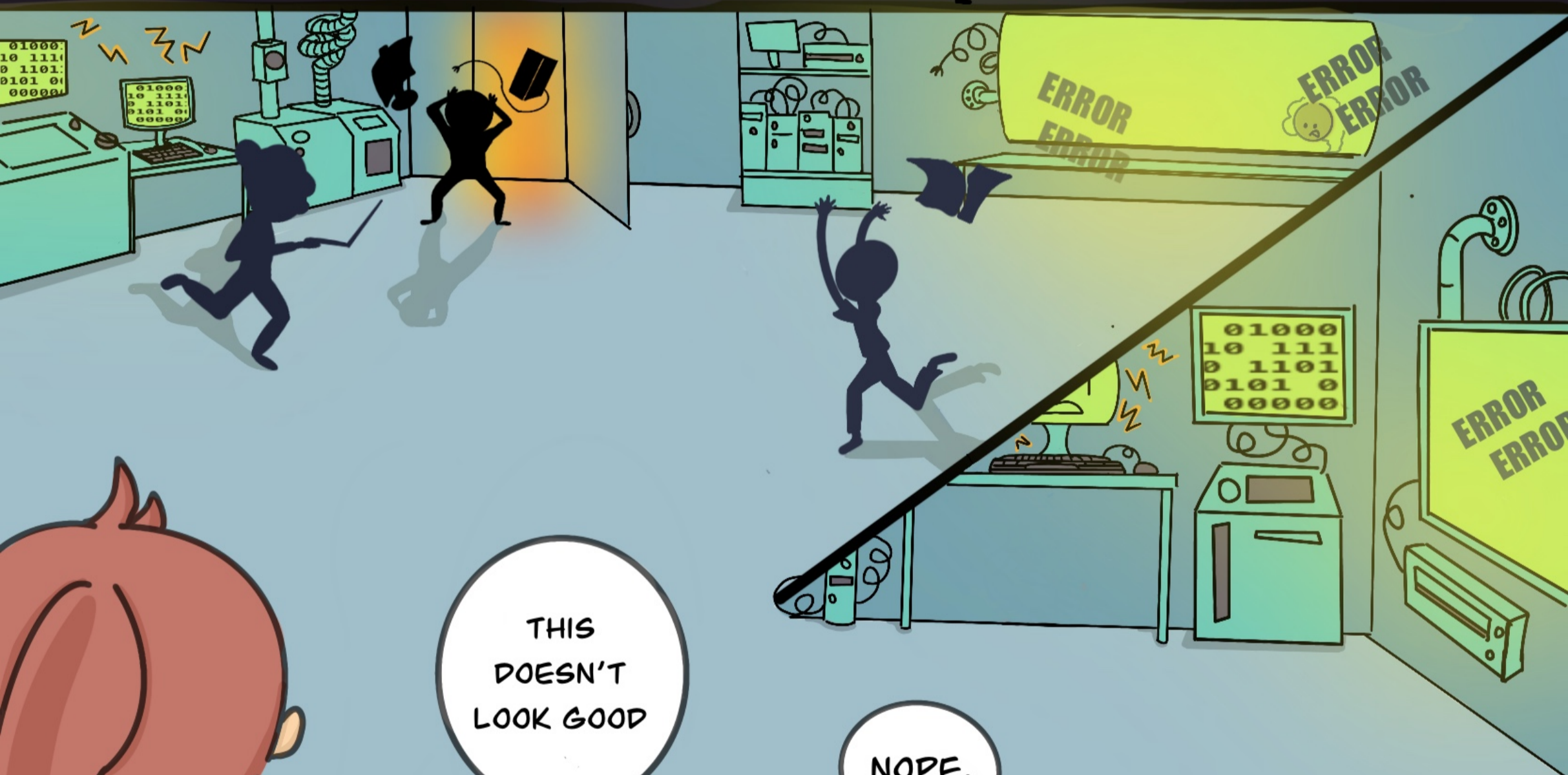
> RECØDE ... COMPUTERS ARE OUT OF CONTROL AT THE POWER PLANT...HELP!
> ANNA, MOM AND I WENT SNOW SHOEING
> RECØDE...WE NEED HELP!
> _

OTTAWA POWER
PLANT...

SYSTEMS
DOWN!!

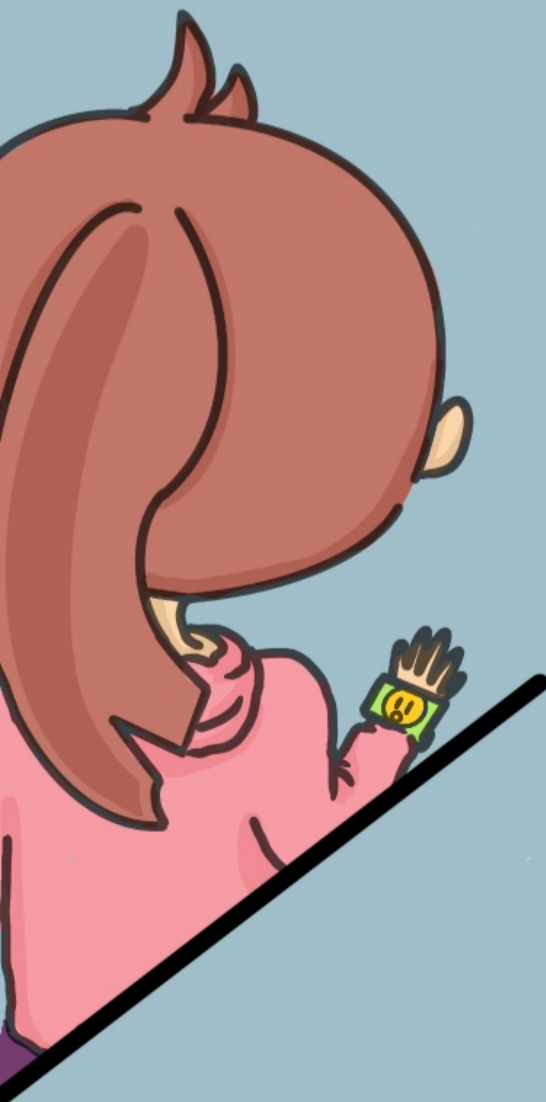
HELP

AHH



THIS
DOESN'T
LOOK GOOD

NOPE.



HEHEH...YOU'LL
NEVER STOP MY
MALWARE

CYBERNOTES

MALWARE ARE COMPUTER PROGRAMS THAT DESIGNED TO CAUSE HARM TO COMPUTERS AND PEOPLE. WE CALL THIS MALICIOUS SOFTWARE A.K.A. MALWARE!

010001
10 1110
0 11011
0101 00
000000

001 010 11101
1101 1001 001
1100

010001
10 1110
0 11011
0101 00
000000

WE DON'T KNOW
WHAT THESE
MESSAGES ARE!!!
HELP!! PLEASE!!

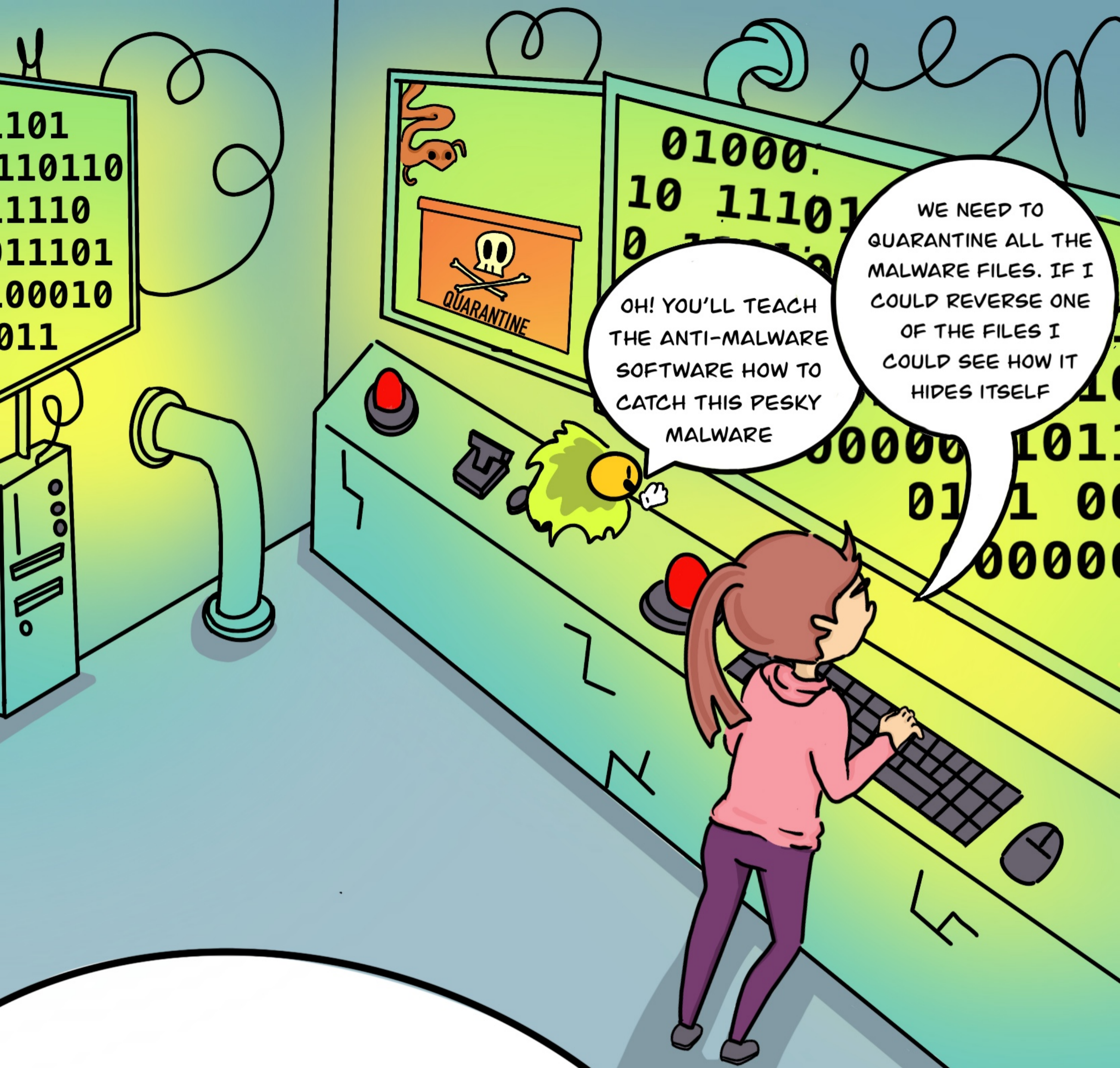
IT LOOKS LIKE YOUR
COMPUTERS ARE
INFECTED WITH
MALWARE

INFECTION??
DISEASE?? IS IT
CONTAGIOUS!? AM I
SICK TOO?

LOOKS
HUMAN TO
ME....

IT IS A **COMPUTER** INFECTION.
ARE YOU A COMPUTER?





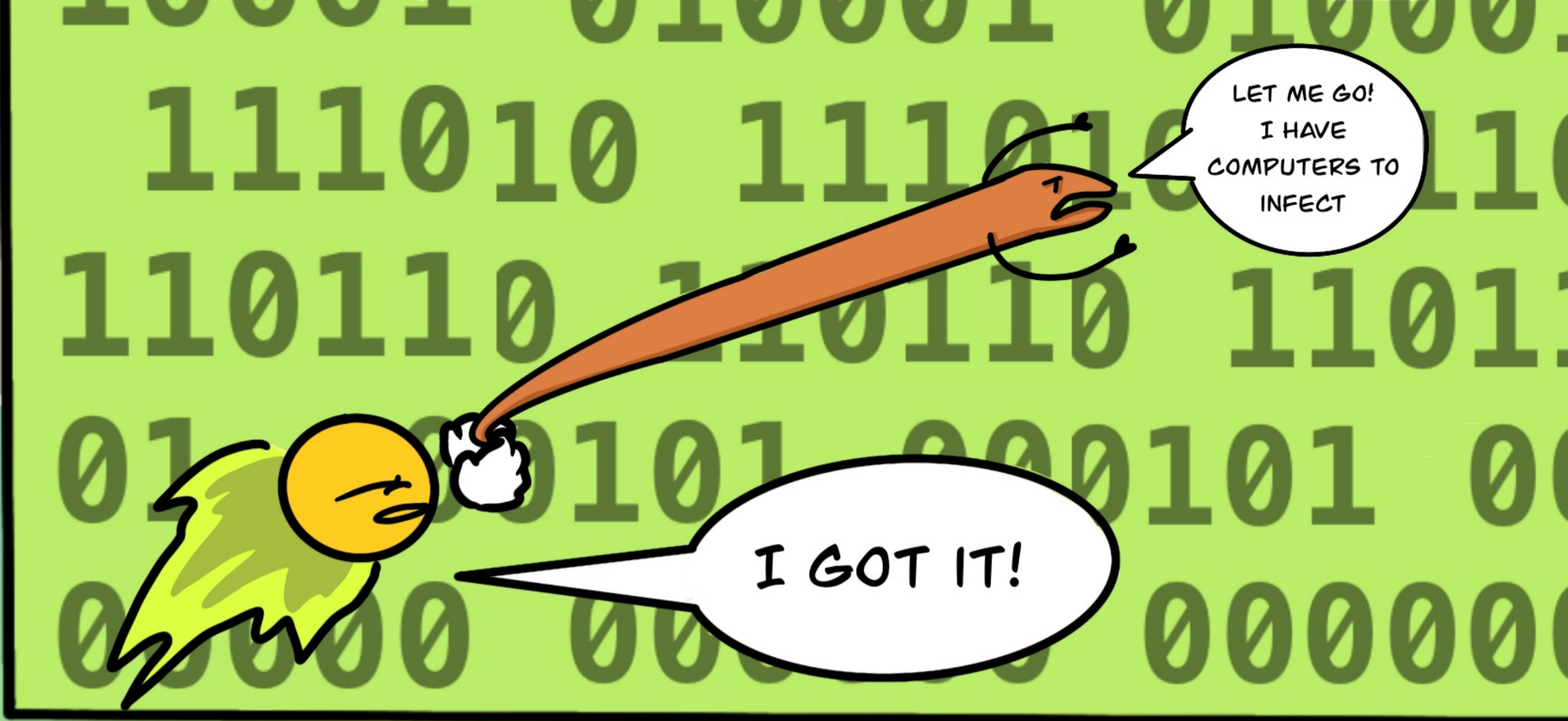
OH! YOU'LL TEACH THE ANTI-MALWARE SOFTWARE HOW TO CATCH THIS PESKY MALWARE

WE NEED TO QUARANTINE ALL THE MALWARE FILES. IF I COULD REVERSE ONE OF THE FILES I COULD SEE HOW IT HIDES ITSELF

CYBERNOTES:

TO UNDERSTAND HOW MALWARE WORKS, COMPUTER SCIENTISTS DECONSTRUCT OR BREAK MALWARE INTO PIECES.

IN THE COMPUTER WORLD, THIS IS KNOWN AS REVERSE ENGINEERING



LET ME GO!
I HAVE
COMPUTERS TO
INFECT

I GOT IT!



RECODE STARTS
TYPING FURIOUSLY

GET EM' !!

QUARANTINE

```
$0x0  
return (0);  
execute("/bin/,...,NULL  
setupid(0)  
>_
```

CLICK

TAP

TAP
TAP

CLICK

TAP

CLICK

CAN WE GO HOME YET?

NOT YET. WE NEED TO STOP THE MALWARE FROM SPREADING TO OTHER POWER PLANTS

HAH!?

WHO WILL DO THAT!?

WE NEED TO PATCH ALL THE COMPUTERS TO CLOSE OFF THE VULNERABILITY QUICKLY!

TRANSLATION: WE NEED TO INSTALL, PATCH AND UPDATE COMPUTER PROGRAMS IN ALL COMPUTERS

DIGIK WE NEED HELP

ON IT!!

PATCH PATCH

PATCH PATCH

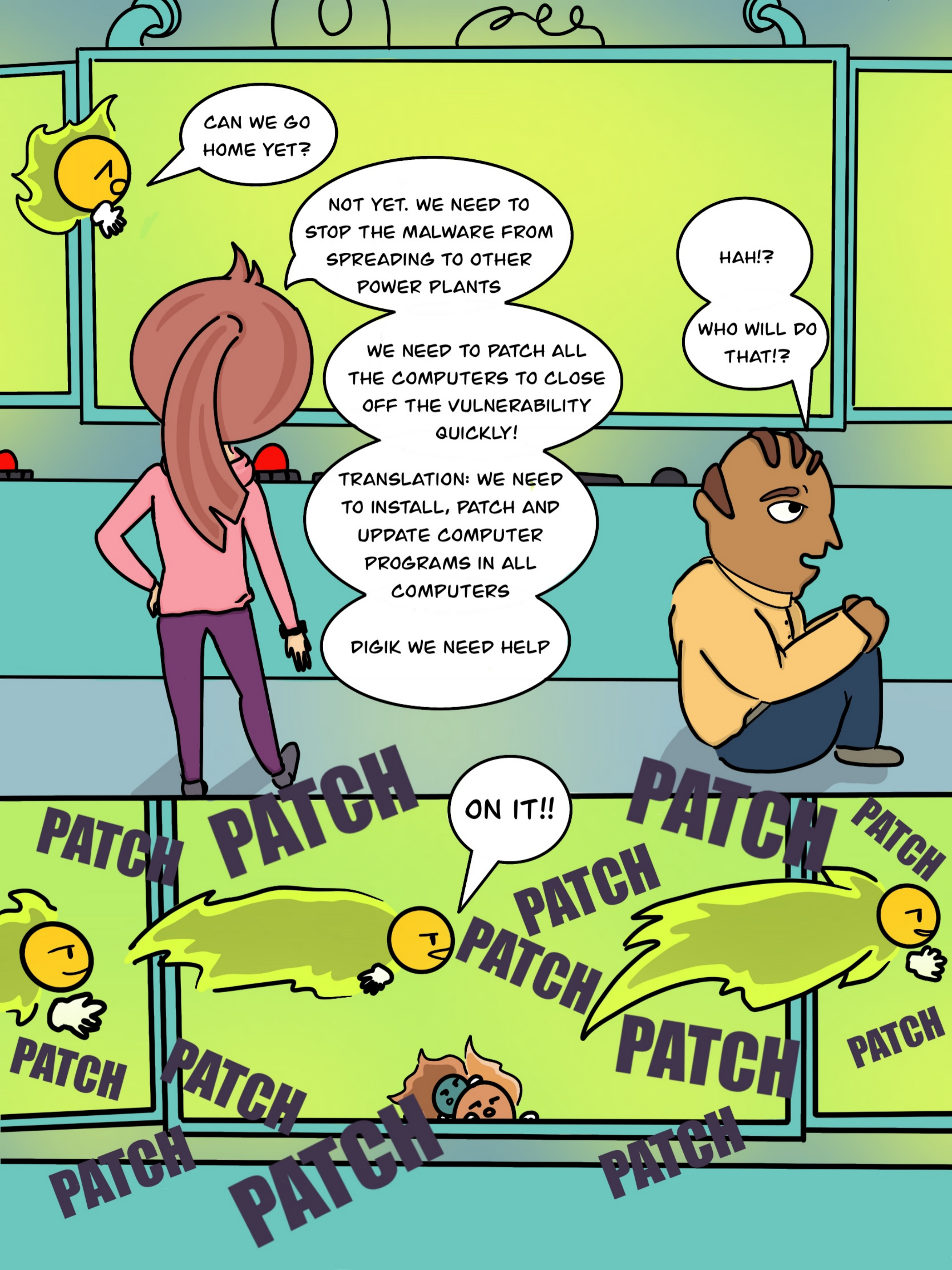
PATCH PATCH

PATCH PATCH

PATCH PATCH

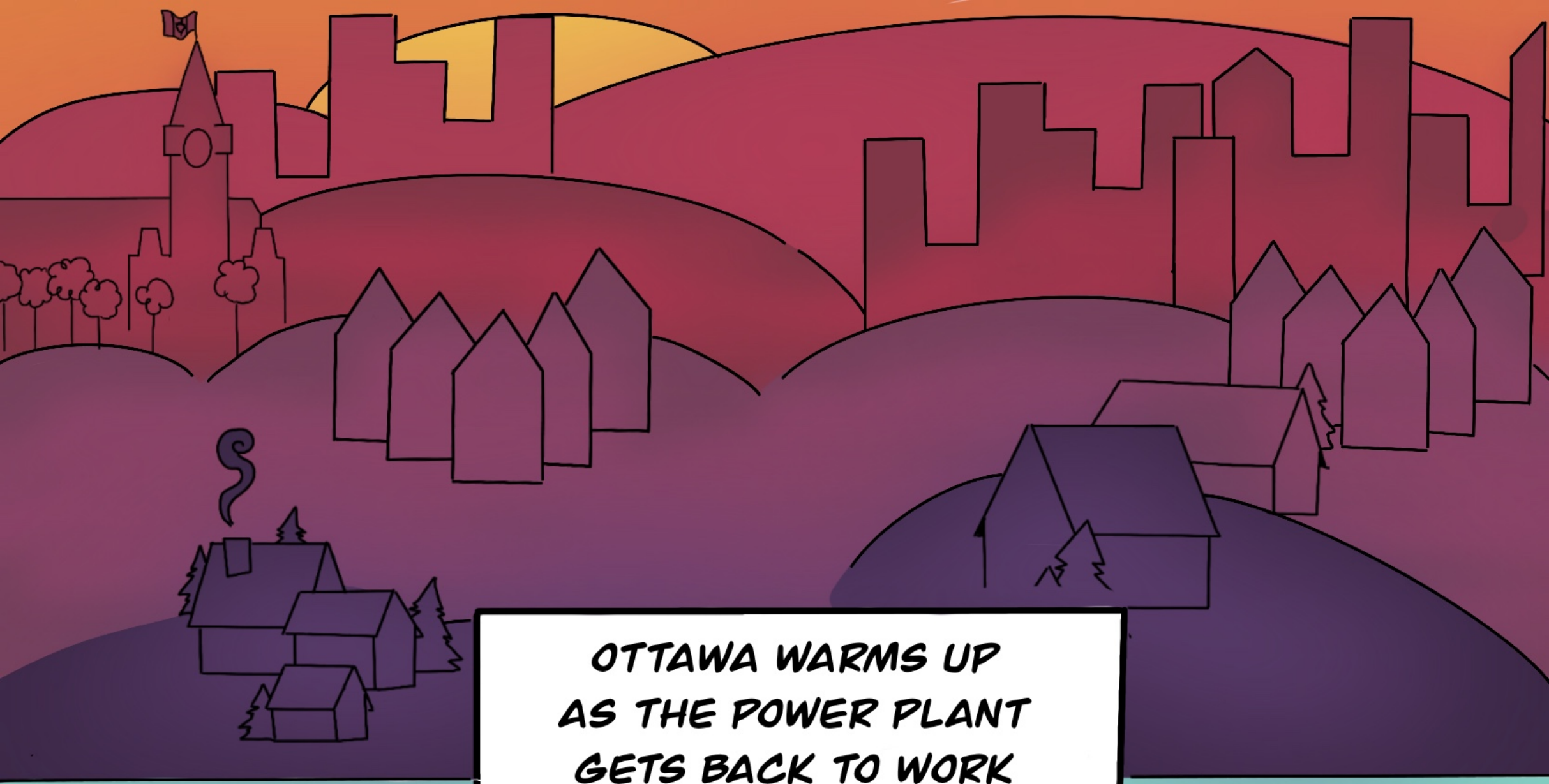
PATCH PATCH

PATCH



WE COULD'VE
DONE THAT!!

I TOLD YOU SHE CAN
DO ANYTHING!



**OTTAWA WARMS UP
AS THE POWER PLANT
GETS BACK TO WORK**

WHEN WE ARE
TOGETHER, EVERYONE
IS SAFE

KEEP YOUR
COMPUTERS UP
TO DATE! ALWAYS
INSTALL
PATCHES AND
UPDATES!

I'LL BE BACK
...



01110 00101 11000 10100 00000 10010 00101
00011 01111 00100 00101 00000 00001 00100
10110 00101 01110 10100 10101 10010 00101
00000 00100 01111 01110 10100 00000 00111
00101 10100 00000 10000 01000 01001 10011
01000 00101 00100





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