



```
cyber@ucr:~$
```

# Welcome Hackers!

Monday 02/11/2019

Check In: <https://bit.ly/2MZrhAJ>

# Winter Non-GM Things:

- Red Team / CTF Meetups (Monday's 5-6pm)
  - Web Hacking - Hands On
  - Solving Crypto
  - Pwning
  - Reversing
- Blue Team / CCDC Meetups (Wednesday's 1-2pm)
  - Forensics
  - Log Analysis
  - Tabletop Exercises
  - Network Segmentation



# Cyber@UCR Elections

It's time for the next generation of leaders to step forward!

Apply for a board position [here!](#)

Positions:

- President
- Vice-President
- Secretary
- Treasurer
- Marketing
- Ethics-Director



# Join Us

- Mailing list:
  - [r.ucrcyber.org/email](mailto:r.ucrcyber.org/email)
- Slack:
  - [Ucrcyber.slack.com](https://Ucrcyber.slack.com)
- Facebook:
  - [facebook.com/groups/ucrcyber](https://facebook.com/groups/ucrcyber)



# Lockpicking!



# Before We Begin...

- Make sure you signed the ethics form
- All information presented is for **educational purposes only**
- Don't pick locks that you don't own
- Don't pick locks that you rely on



# What is Lockpicking?

- It is a non-destructive way to open a lock without using the original key



# Why do?

- It's a fun way to break a system's defense that is more tangible and immediate, but requires a similar thought process as hacking





# What kind of people pick locks?

- Locksmiths
- Hobbyists
- Locksport
- L33t h4ck3r5
- TOOOOL - The Open Organization Of Lockpickers



# Typical lockpicking tools



Hook Pick

Single pin picking (more later)



Snake Rake

Raking pins to get a feel for the pins  
or luckily open the lock



Snowman

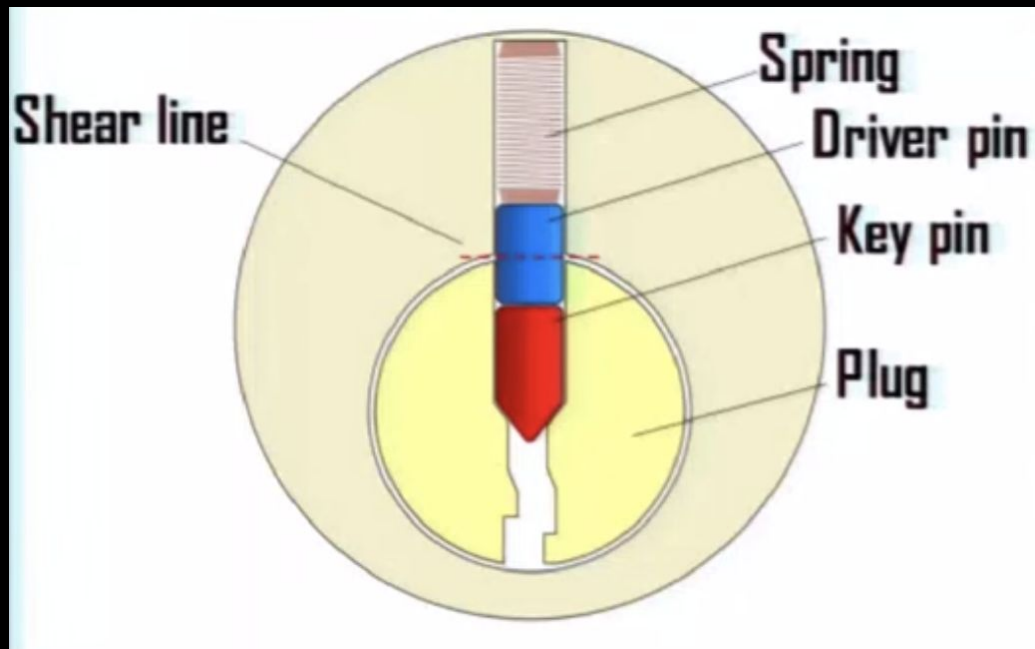
Ball picks for wafer locks



Tension wrench

Images from <https://art-of-lockpicking.com/what-are-those-picks/>

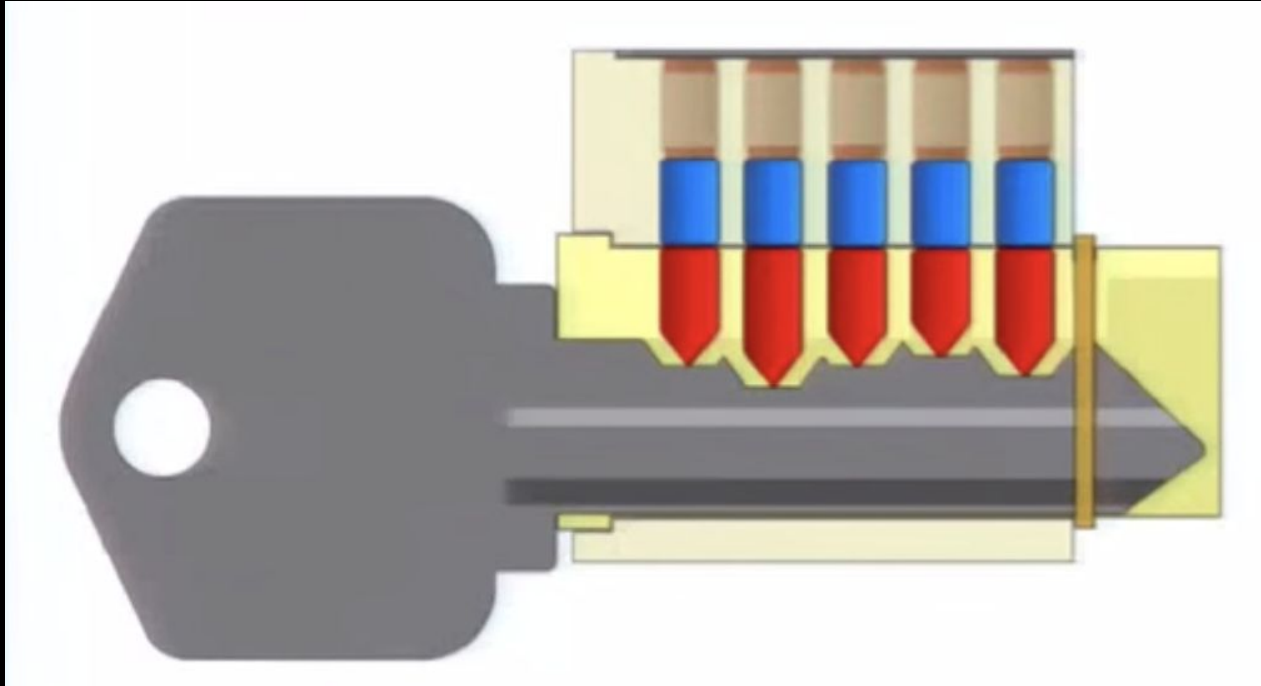
# Pin Tumbler Lock (house lock)



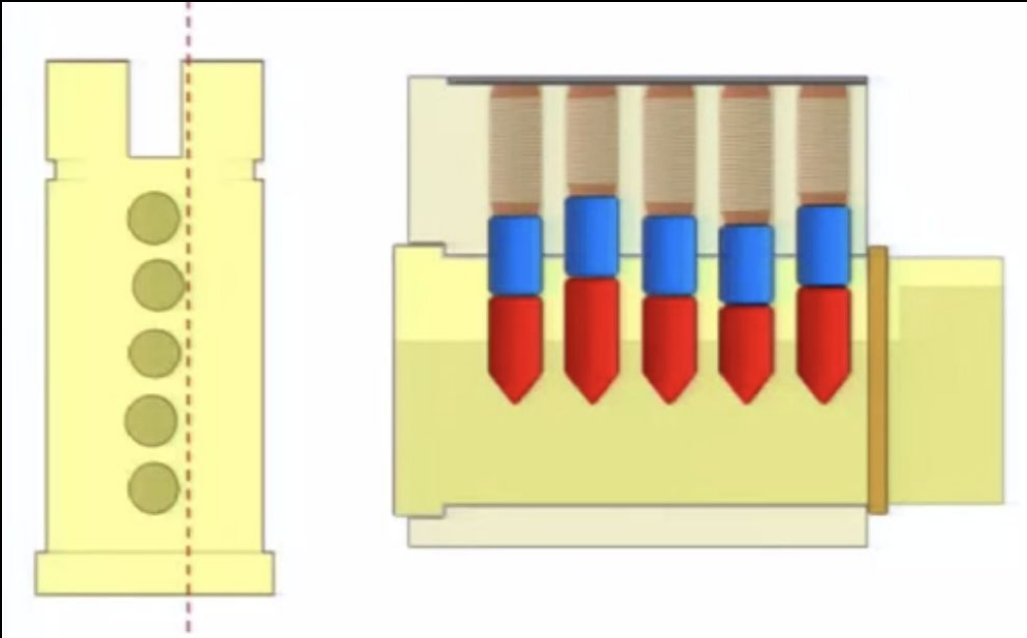
Images shamelessly borrowed from DEF CON 23 Lock Picking Village by Chris Pentacoff



# Pin Tumbler Lock (house lock)



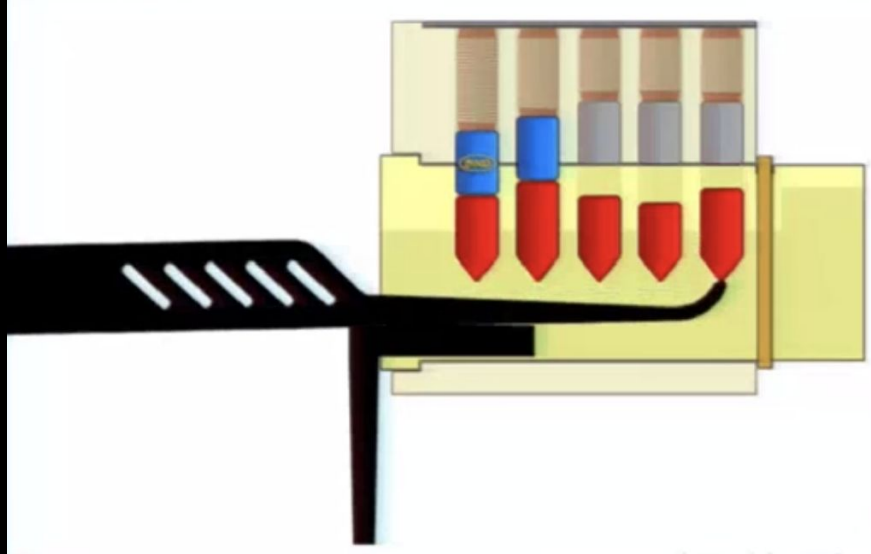
# Pins are not perfect



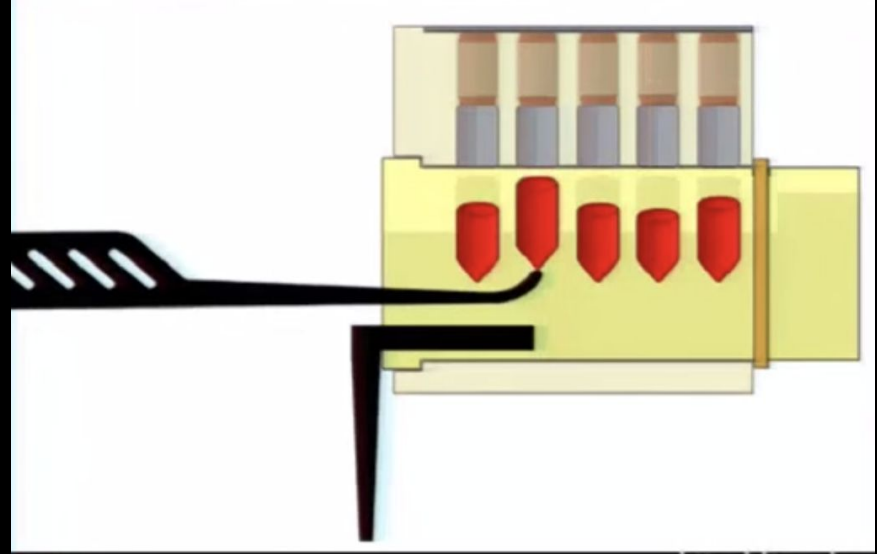
You can set each pin individually instead of simultaneously!



Like this



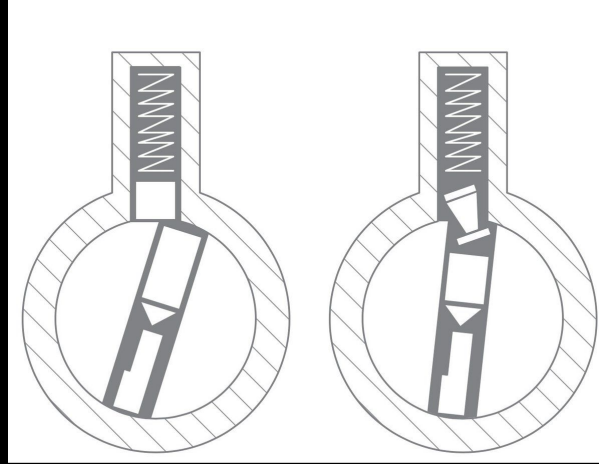
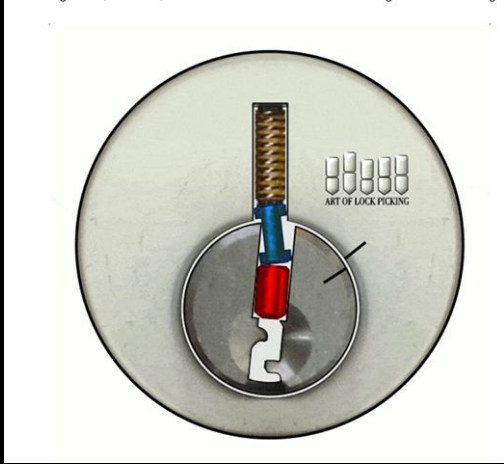
Push pin and rotate cylinder



Pull tension wrench



# Beware of security measures



Don't be fooled!





# Tubular locks

Look like this!

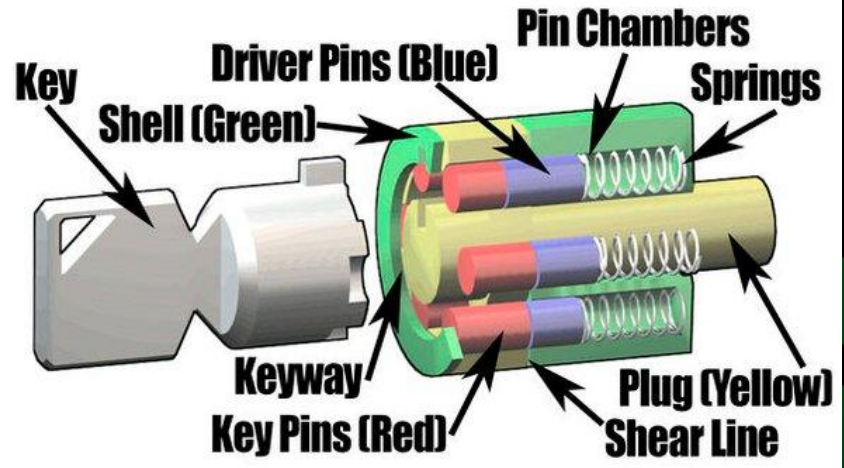
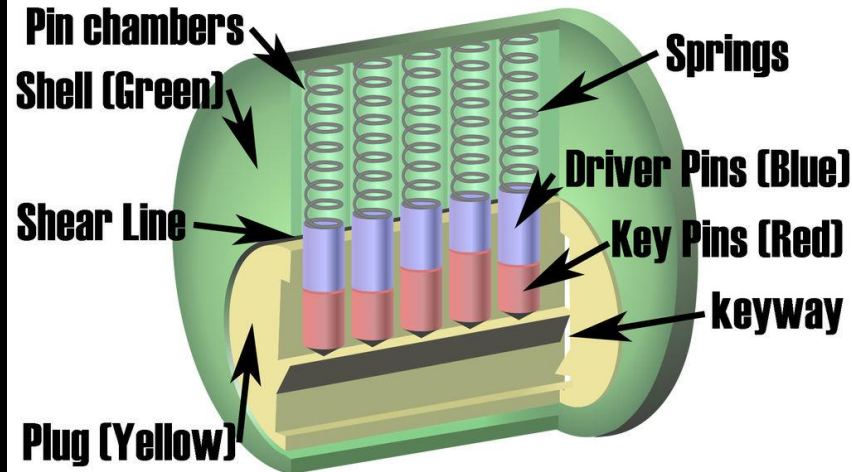
(It's on the vending machine, it's just very small in the photo)





# What's the difference in picking?

- Not a lot, the pins are just in a different arrangement and you can pick it the same way. Only problem is that tension is not constant (ie the pins will come back up), so if there are 8 pins, you can only pick it 1/8th of the way before having to repick it.



# I don't want to repick it everytime!

- You don't have too, there are special lock picks to do this for you!



# Where do I learn more?

- <https://www.reddit.com/r/lockpicking/>
- <https://art-of-lockpicking.com/wp-content/uploads/2016/11/How-to-Pick-A-Lock-Guide-PDF.pdf>
- 



Try it yourself

