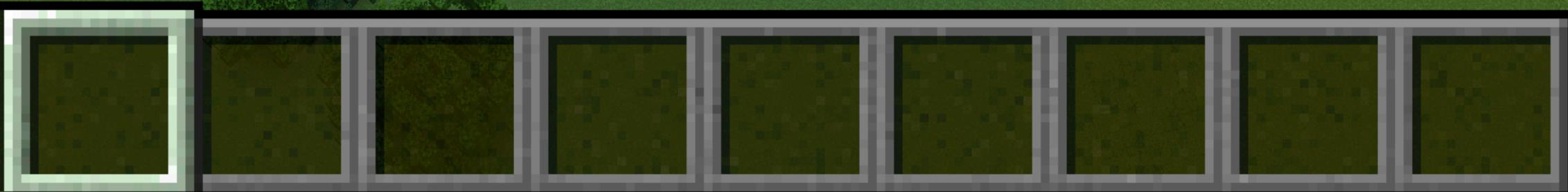


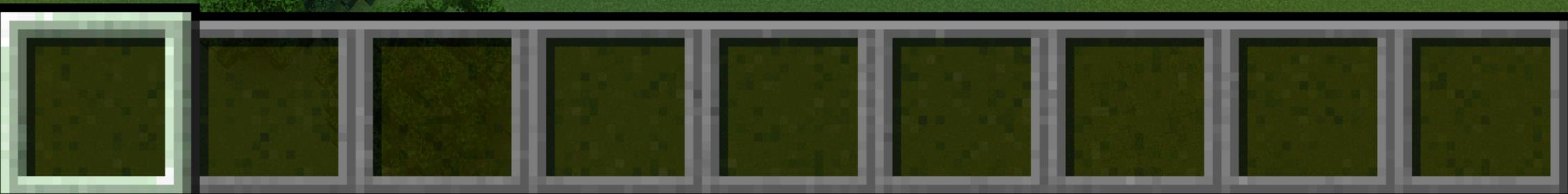


RUNNING A MINECRAFT SERVER FOR YOUR KIDS

(11:30 - 12:00)

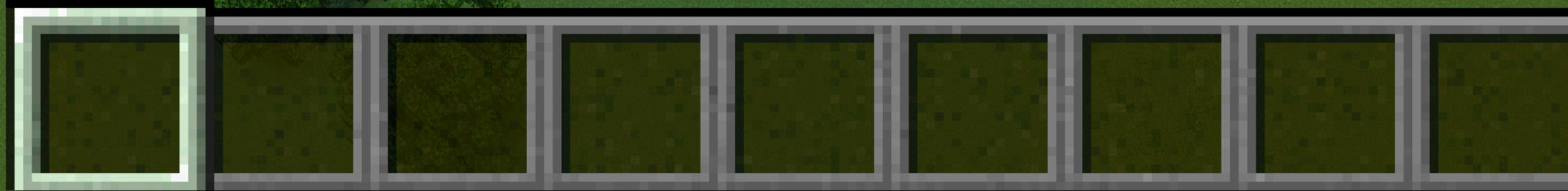


WHY?



HARDWARE

- Laptop (-)
- RP4 (-)
- Amazon t3.small (+)





<https://github.com/haakjes/running-minecraft-server/>

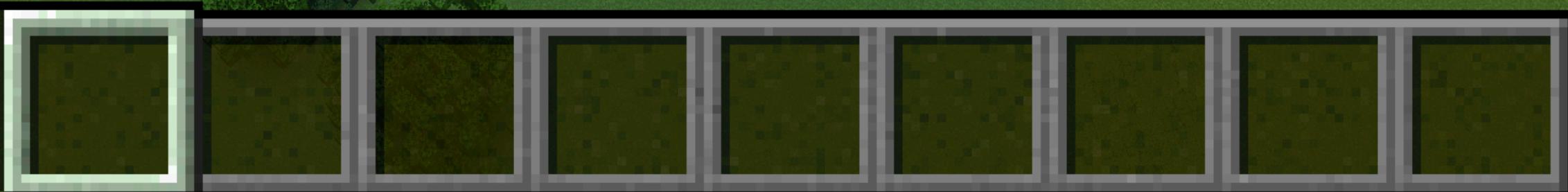
SERVER

- apt-get install openjdk-17-jdk
- Download latest PaperMC (1)
- `java -Xms1G -Xmx1G -XX:+UseG1GC -jar
paper-1.19-61.jar nogui`

(1) <https://papermc.io/downloads>



PROBLEM: IPAD



BEDROCK CLIENTS

- In plugins directory, put:
 - Geyser
 - Floodgate
 - Microsoft account required



PROBLEM: UNKNOWN PEOPLE

FIREWALL

- TCP: 25565 (java clients)
- UDP: 19132 (bedrock clients)
- Only allow from your own IP(s)

PROBLEM: I BLEW UP MY BASE



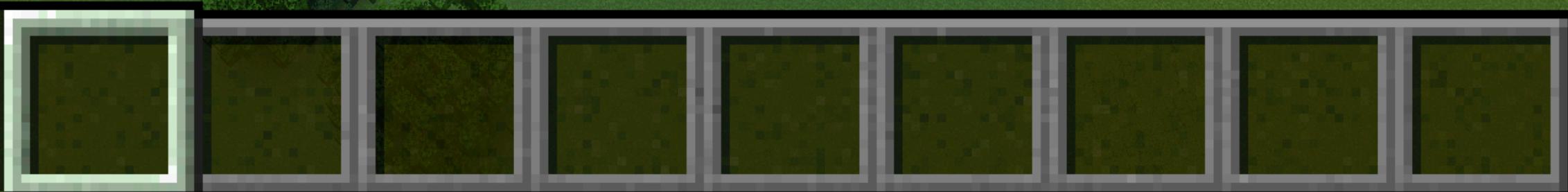
BACKUPS

- Minecraft-Backup (1)

(1) <https://github.com/nicolaschan/minecraft-backup>



**PROBLEM: SERVER IS NOT
RESPONDING...**



BACKUPS

- Minecraft-Backup (1)
- Add: aws s3 cp "\$BACKUP_DIRECTORY"
s3://minecraftbackup123/ --recursive

(1) <https://github.com/nicolaschan/minecraft-backup>

GREETINGS FROM AMAZON WEB SERVICES,

**THIS E-MAIL CONFIRMS THAT YOUR LATEST BILLING STATEMENT,
FOR THE ACCOUNT ENDING IN ⁺****1234, IS AVAILABLE ON THE
AWS WEB SITE. YOUR ACCOUNT WILL BE CHARGED THE
FOLLOWING:**

TOTAL: \$259.67

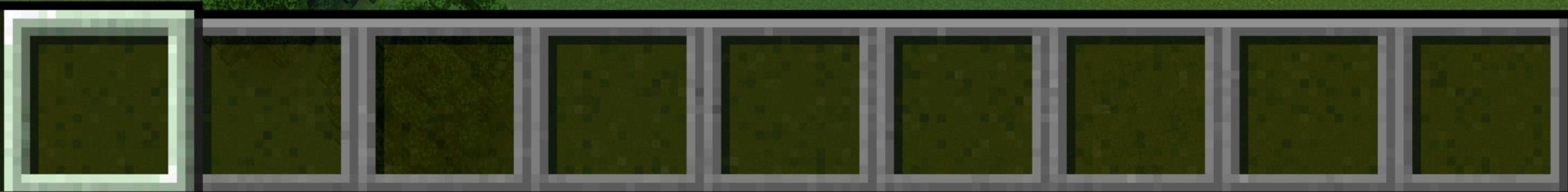
BACKUPS

- Minecraft-Backup (1)
- Add: ~~aws s3 cp "\$BACKUP_DIRECTORY"~~
~~s3://minecraftbackup123/ --recursive~~
- Add: ~~aws s3 cp "\$ARCHIVE_PATH" s3://~~
~~minecraftbackup123/~~

(1) <https://github.com/nicolaschan/minecraft-backup>



PROBLEM: LITTLE BROTHER
LIKES TNT

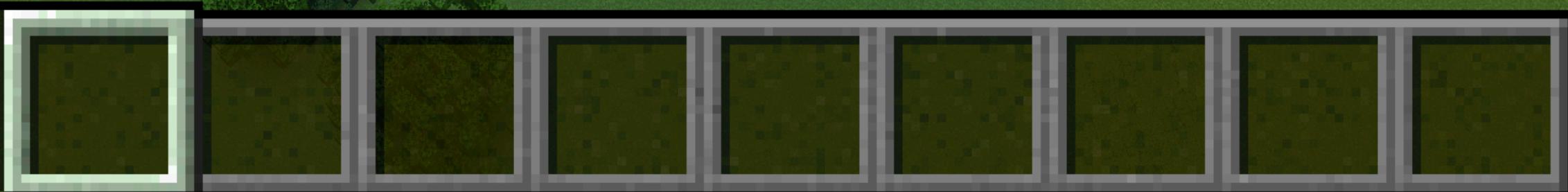


REGIONS

- Install plugins
- WorldEdit
- WorldGuard
- Mark off region per kid
- Only allow interaction, no block breaking

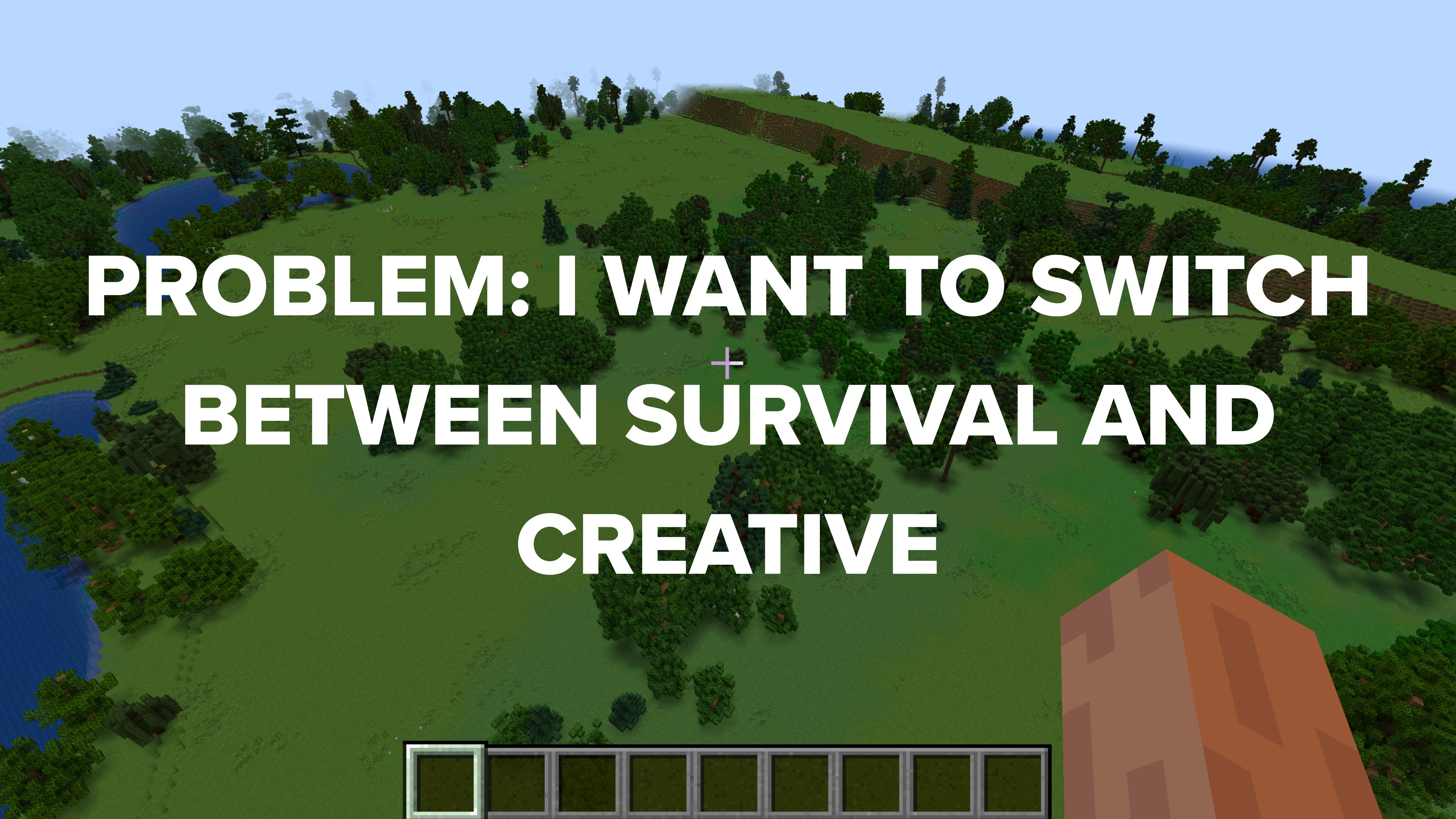


**PROBLEM: BIG BROTHER JAILS
LITTLE BROTHER**

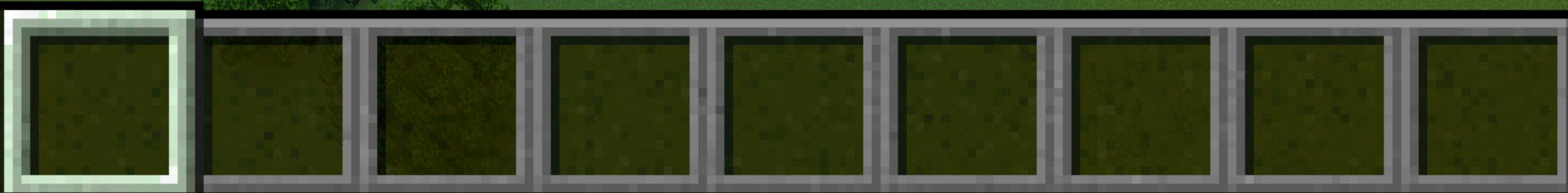


HOME

- Install plugins
 - UltimateHomes
- Set home of each child to their own region
 - Write down for them to type: /home



**PROBLEM: I WANT TO SWITCH
BETWEEN SURVIVAL AND
CREATIVE**

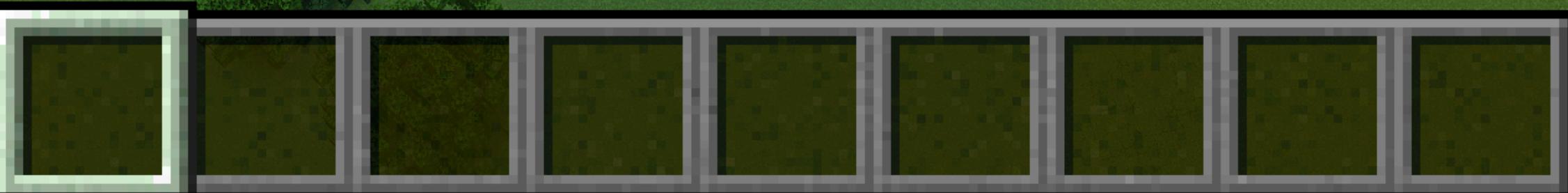


COMMAND BLOCK

- Use command blocks for everything
 - Switch to Survival
 - Switch to Creative
 - Make it day again
 - Clear the weather
 - Teleport to other kids



**PROBLEM: I LOST MY SECRET
BASE**





<https://github.com/haakjes/running-minecraft-server/>