

Introducció al Programari Lliure



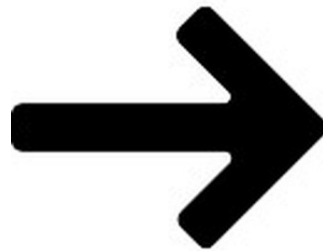
FREE SOFTWARE
F O U N D A T I O N

Qué és un programa informàtic?

Analogia

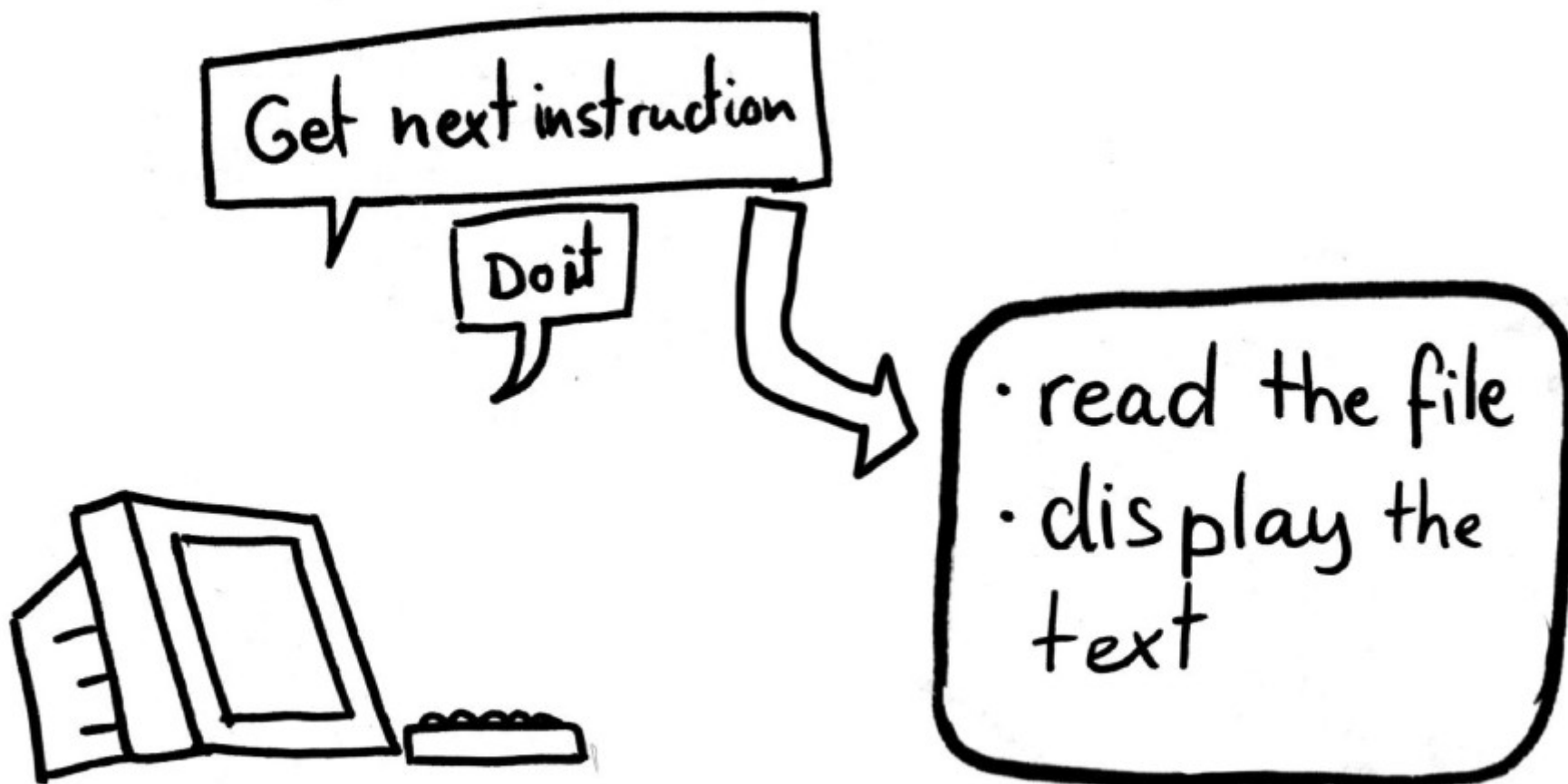


Recepta = Codi Font



Pastís = Programa

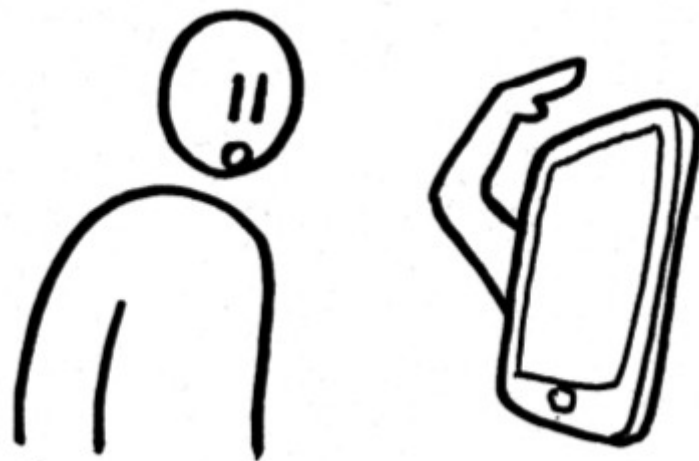
Què és una computadora?

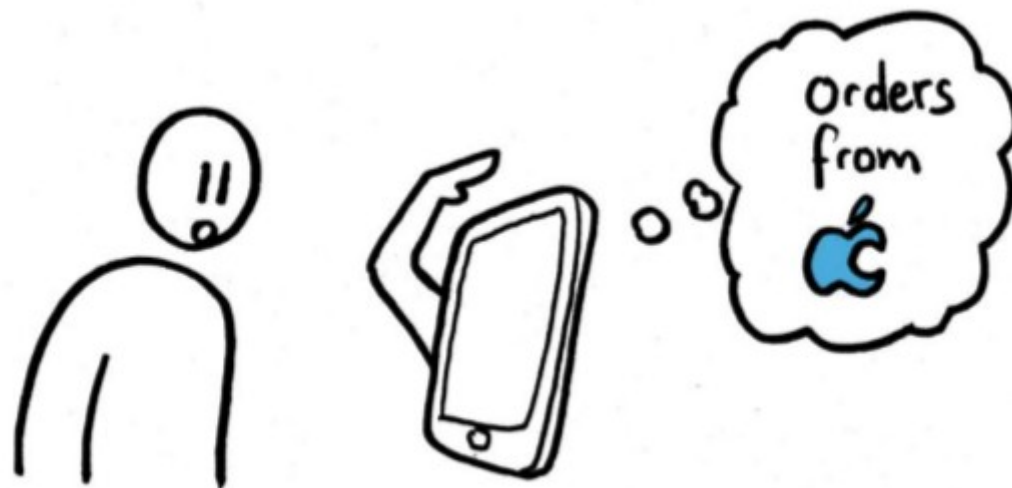


Who gives the instructions to your computer ?

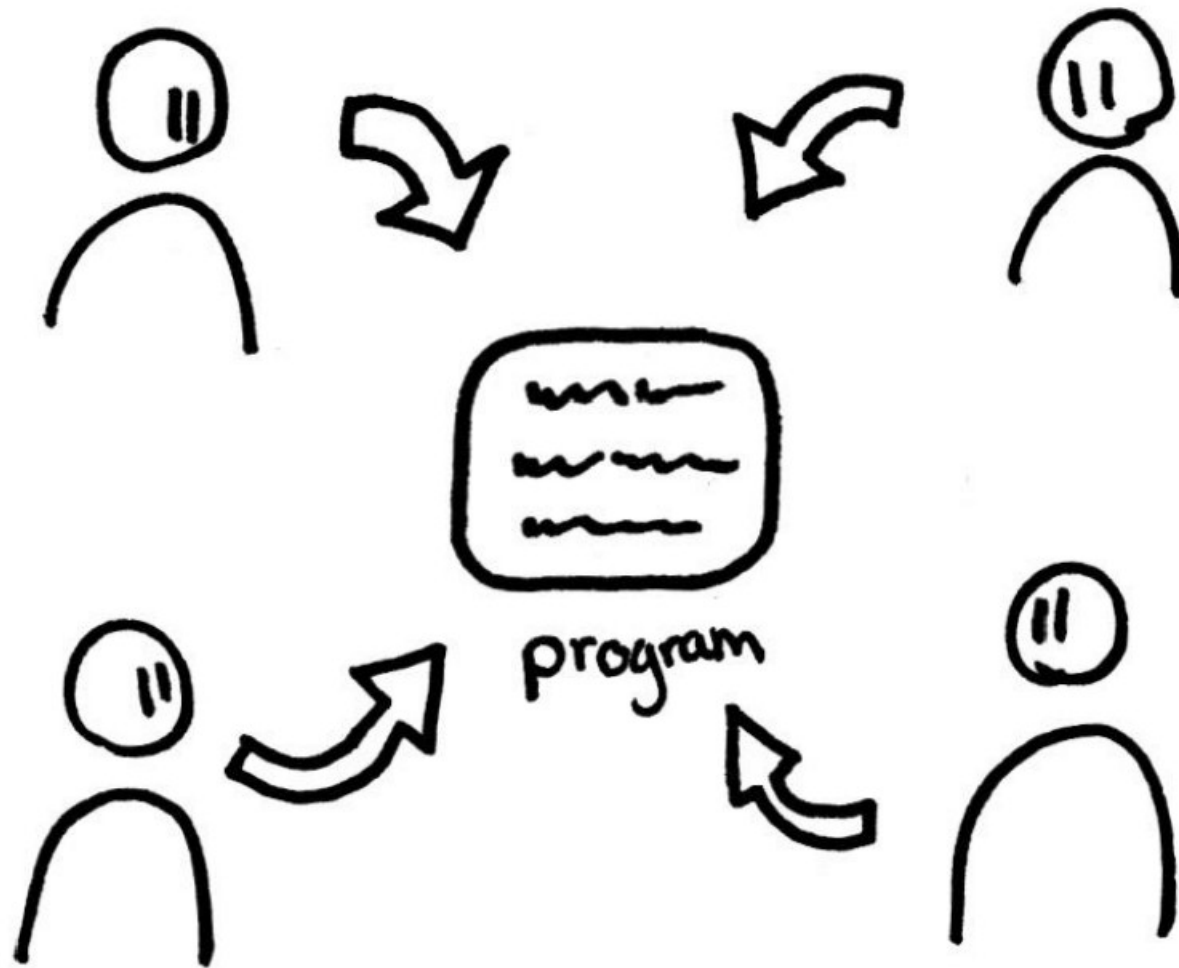




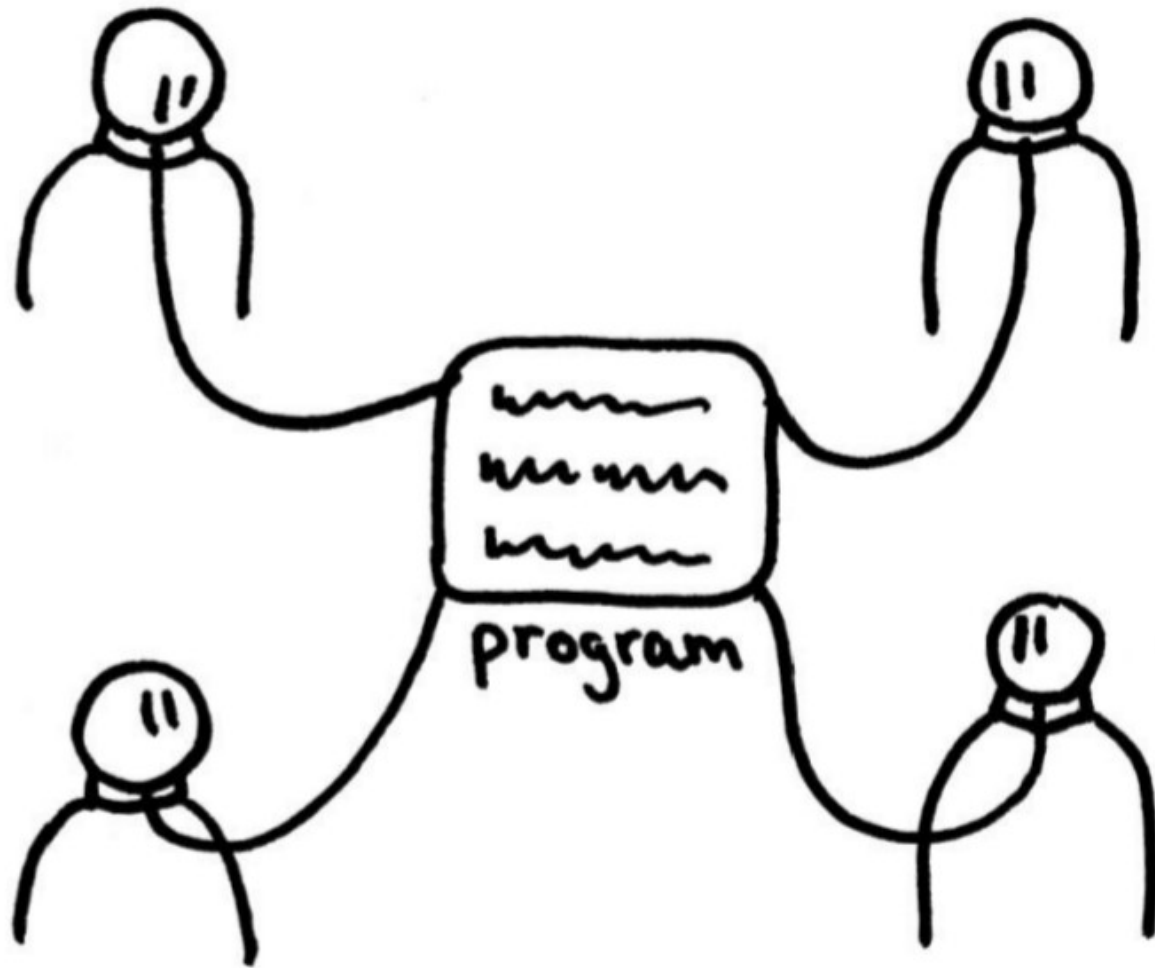




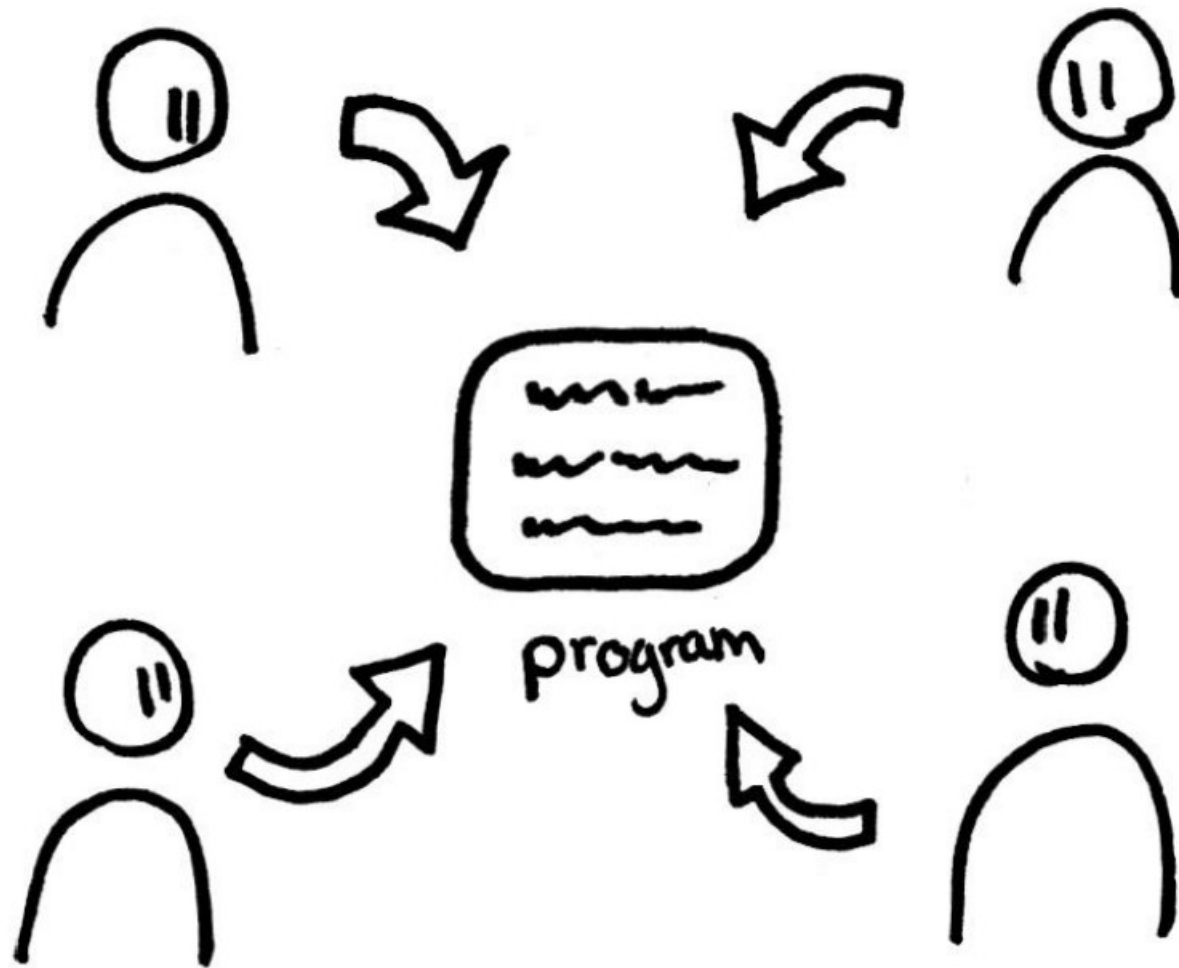
Users control the program



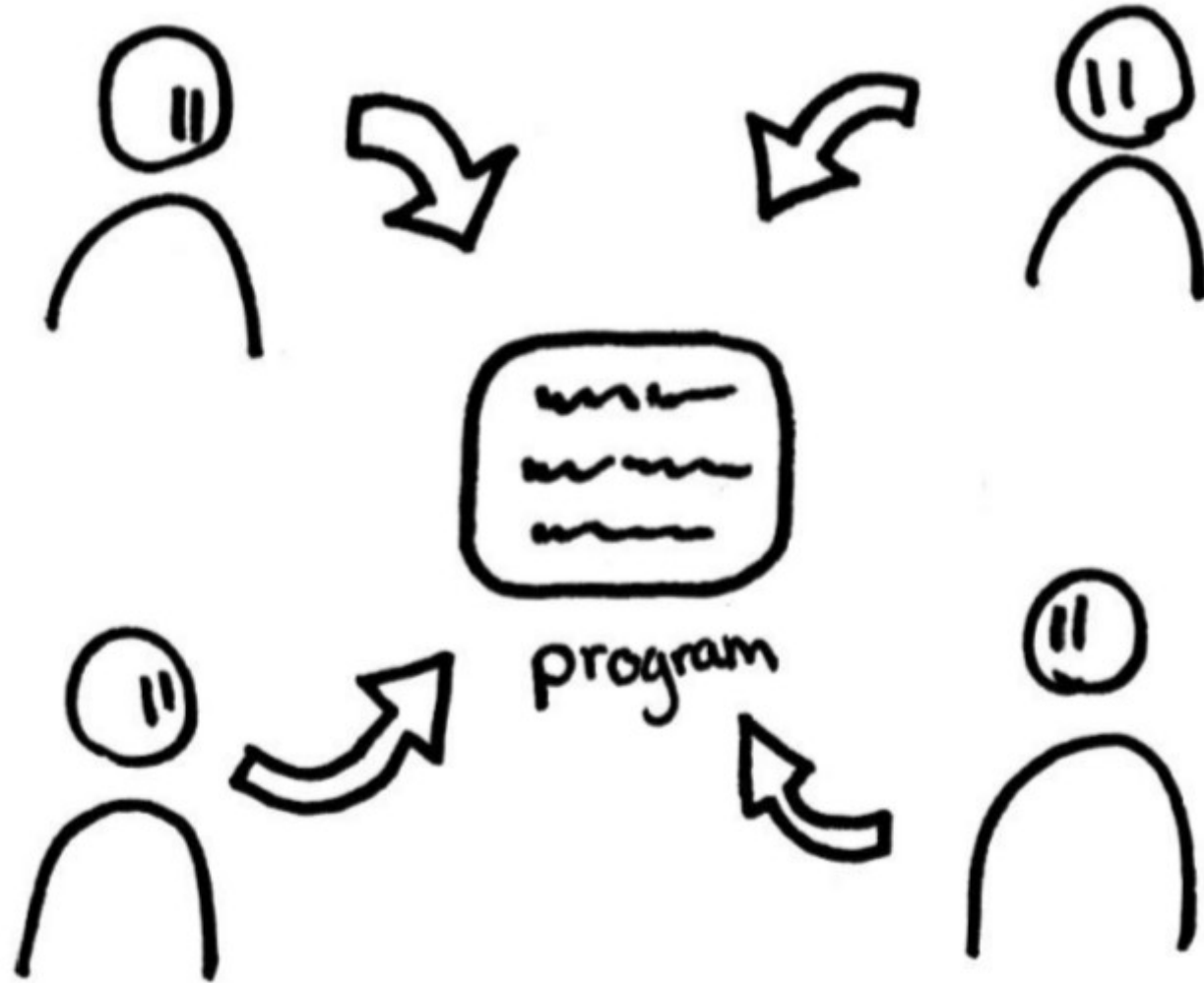
The program controls the users



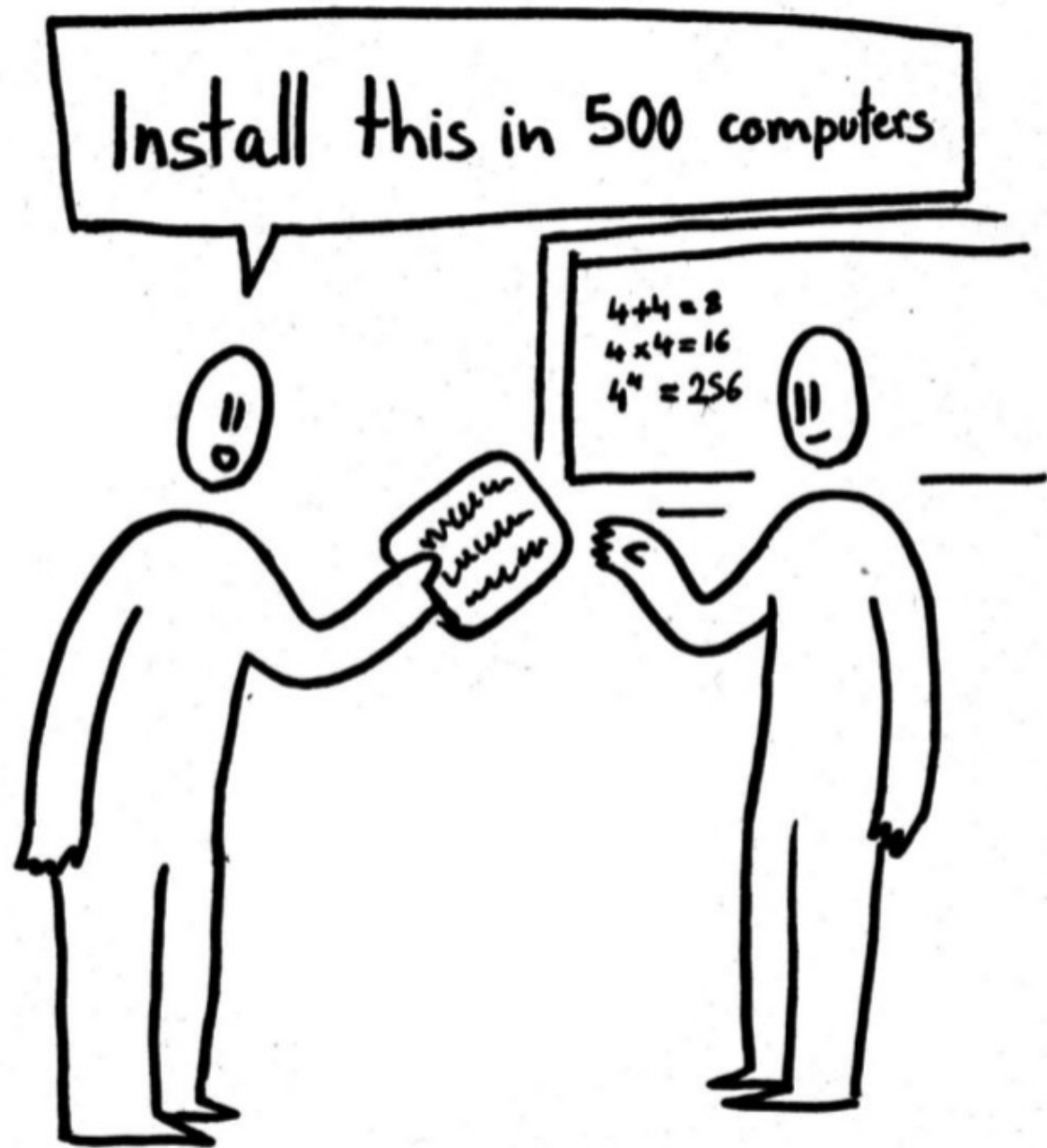
Users control the program



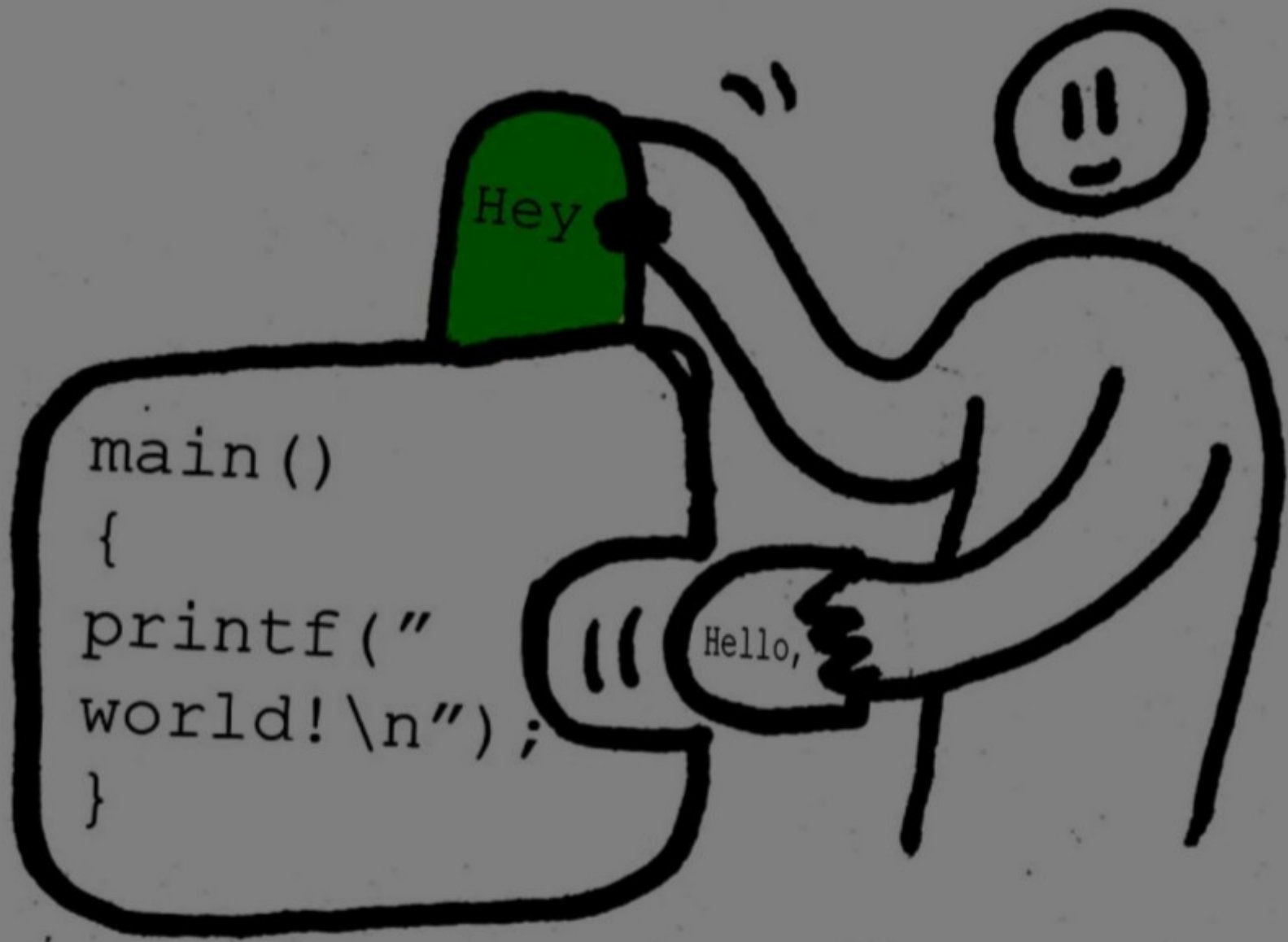
Freedoms 0, 1, 2, 3



Freedom 0
Run it



Freedom 1 – change it



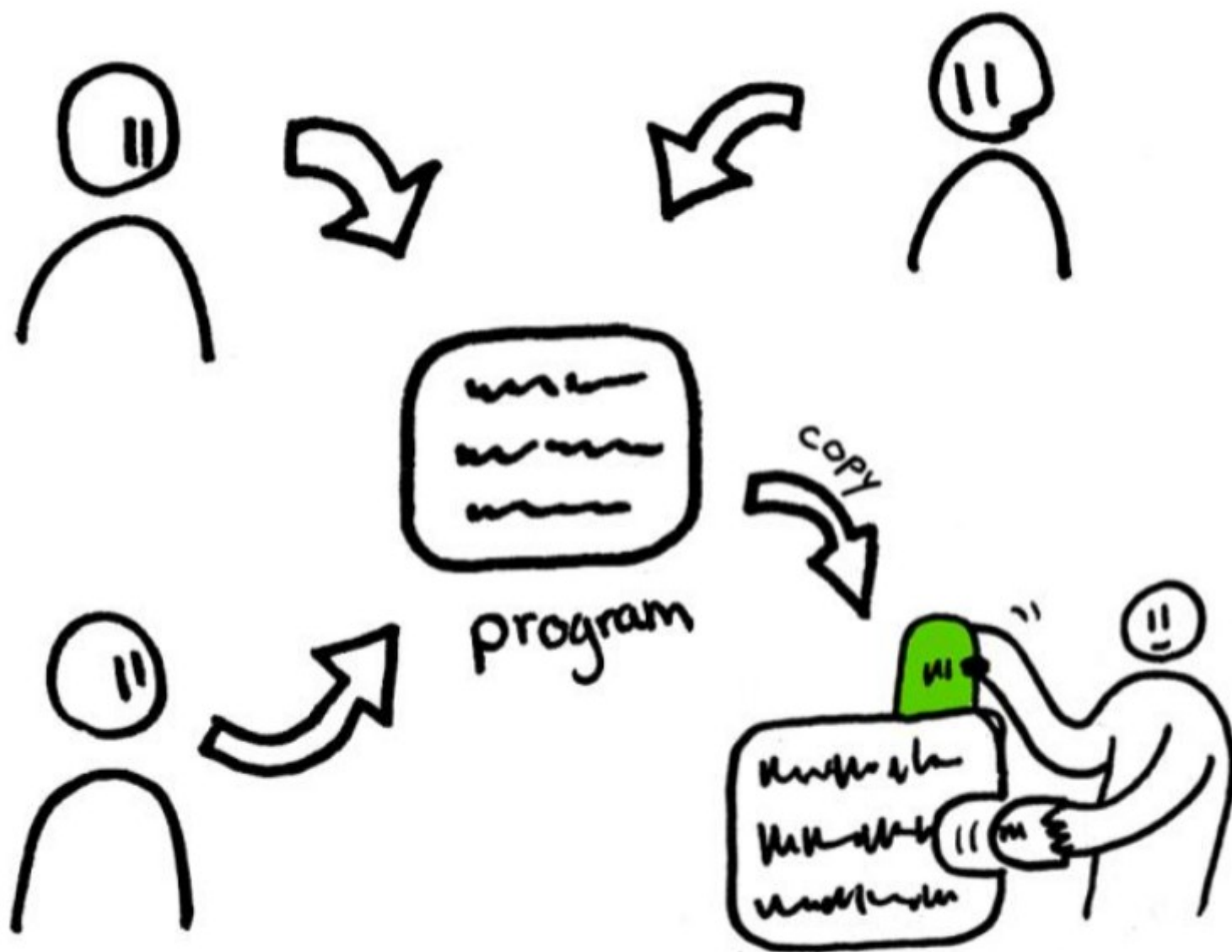
```
main()  
{  
printf("Hello,  
world!\n");  
}
```

Source

```
101101100100  
100111101101  
011001101101  
101110101011
```

Executable





Not a programmer ?



```
int main(void)
{
    printf("Hello world")
}
```





Freedom 2
Redistribute it



Freedom 3
Redistribute
with changes

Les 4 llibertats del Programari Lliure

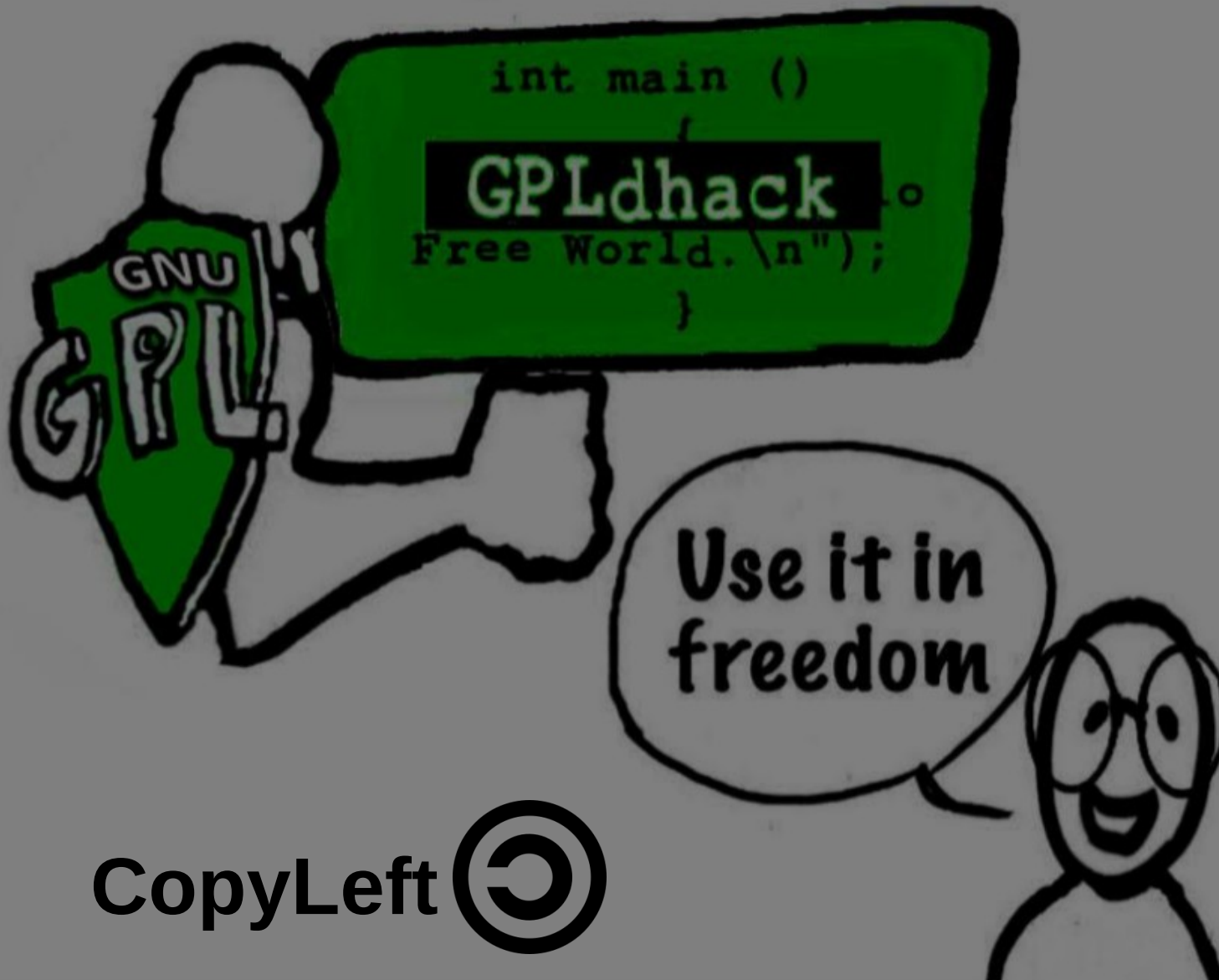
Llibertat 0: Poder utilitzar el programa amb qualsevol propòsit.

Llibertat 1: Poder estudiar com funciona el programa i modificar-ho, adaptant-ho a les pròpies necessitats.

Llibertat 2: Poder distribuir còpies del programa, amb la qual cosa es pot ajudar a altres usuaris.

Llibertat 3: Poder millorar el programa i fer públiques les millores als altres, de manera que tota la comunitat es beneficie.

The GNU GPL says no, when it should



Programari Lliure



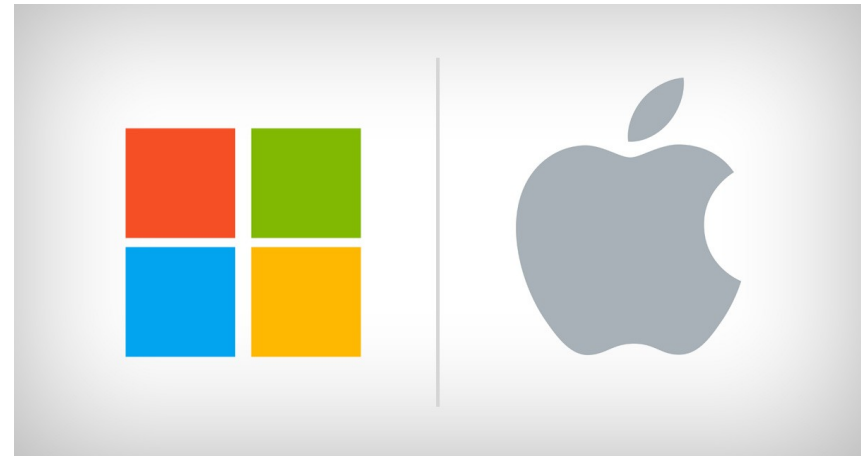
✓ Ètica

✓ Justícia

✓ Llibertat

✓ Solidaritat

Programari Privat

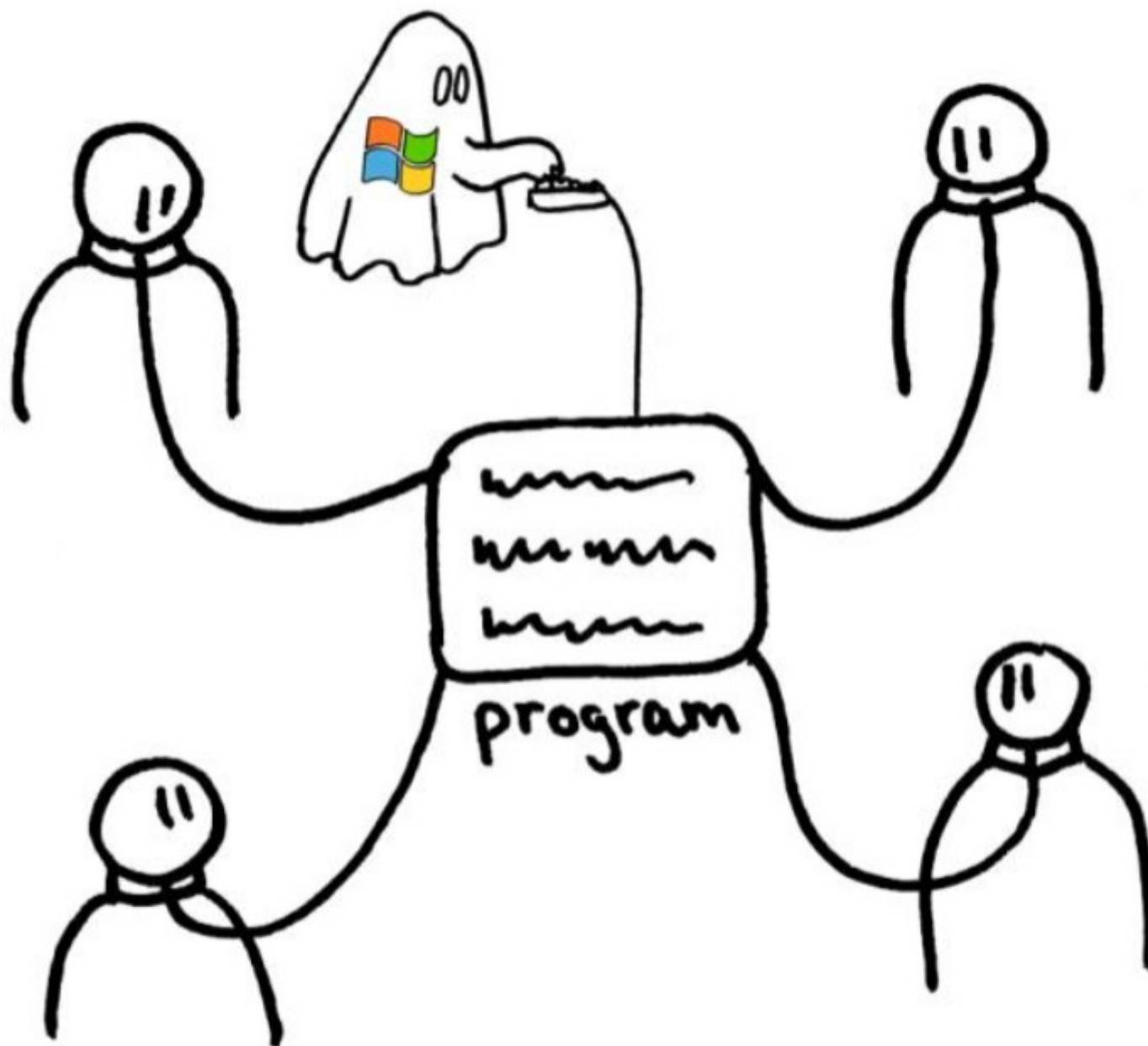


✗ Ètica

✗ Justícia

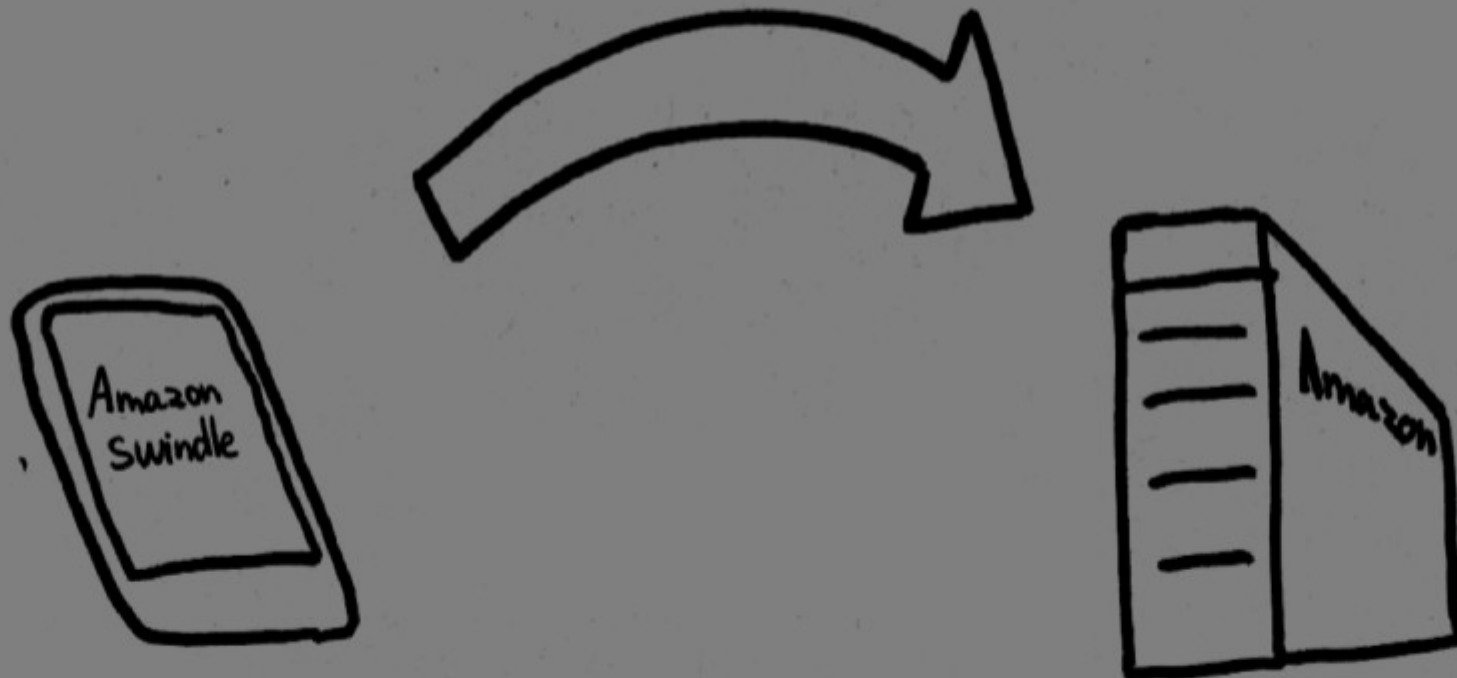
✗ Llibertat

✗ Solidaritat



Espionatge

((Reading page 52 of 1984))



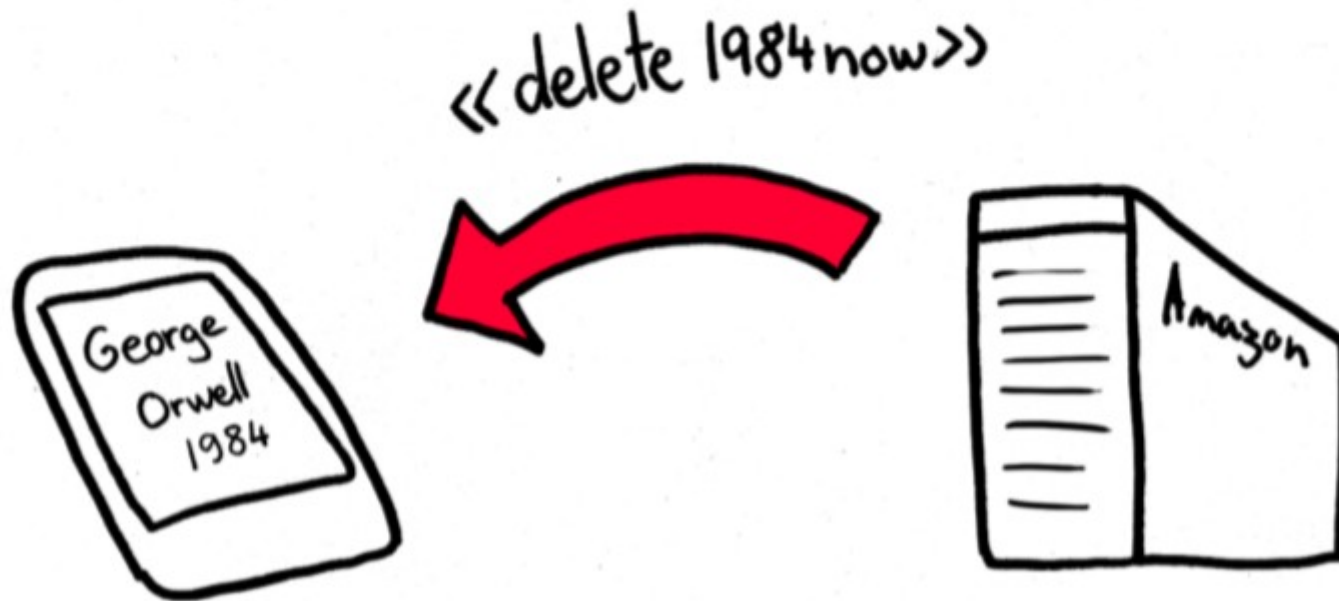
DRM

Infamous Blue Ray



Portes Darreres

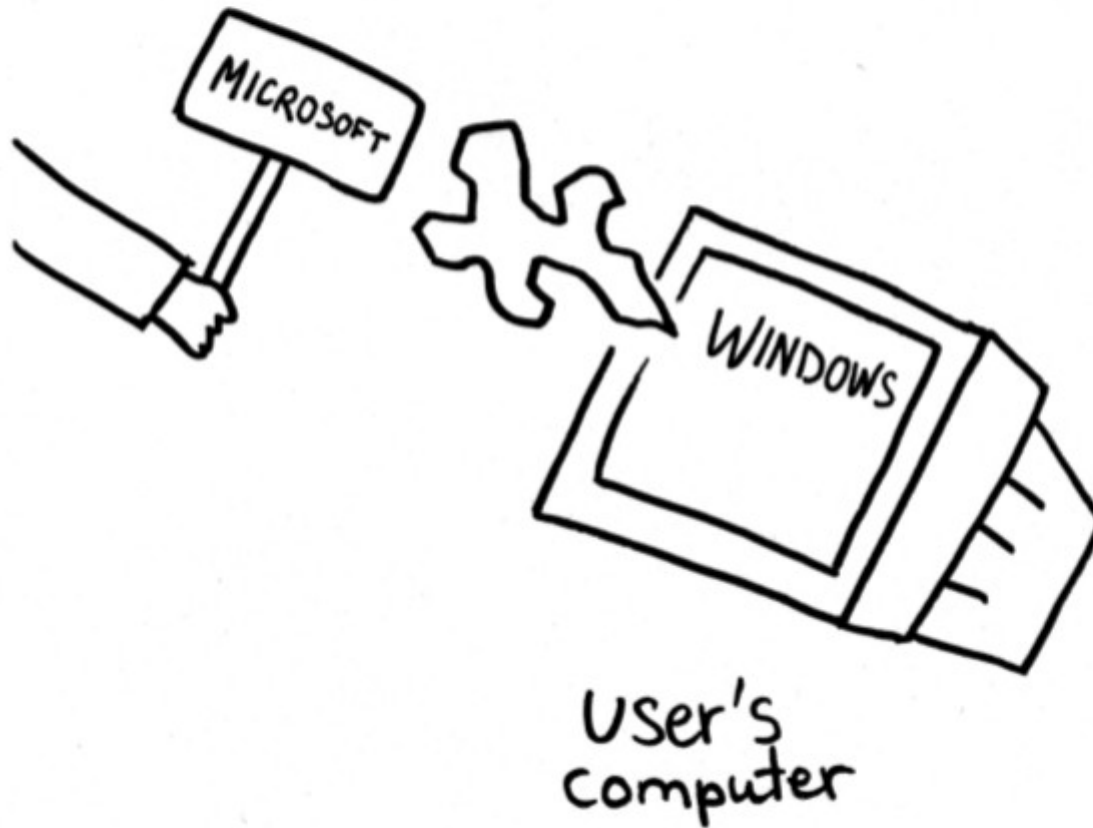
Remote erasure of books



Censorship in Apple's Jail



Universal Back Door



PS3



This will downgrade
your system. Proceed?

YES

NO*

* Use on the net won't work anymore.

Msoft helps NSA attack

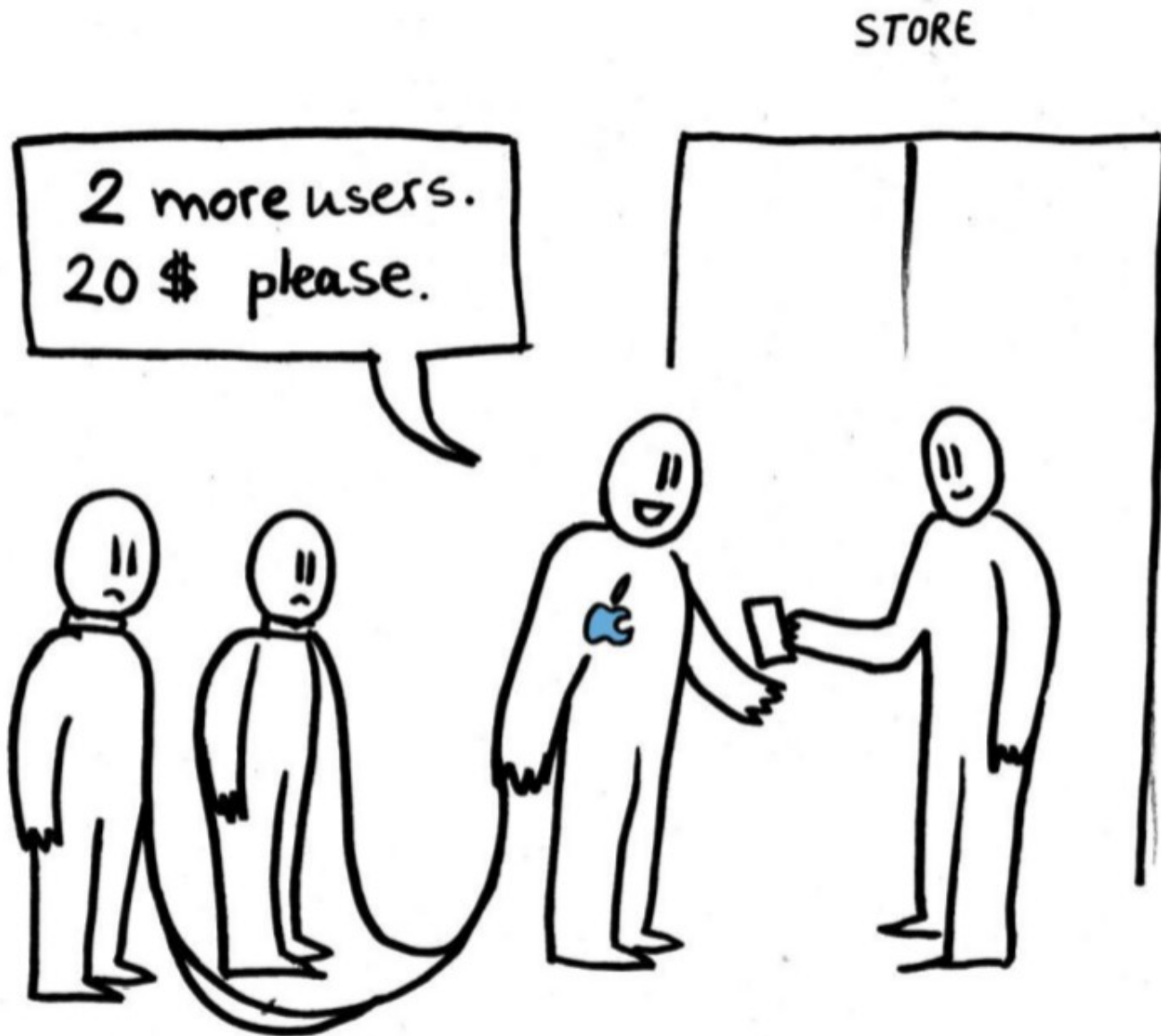


Més exemples:

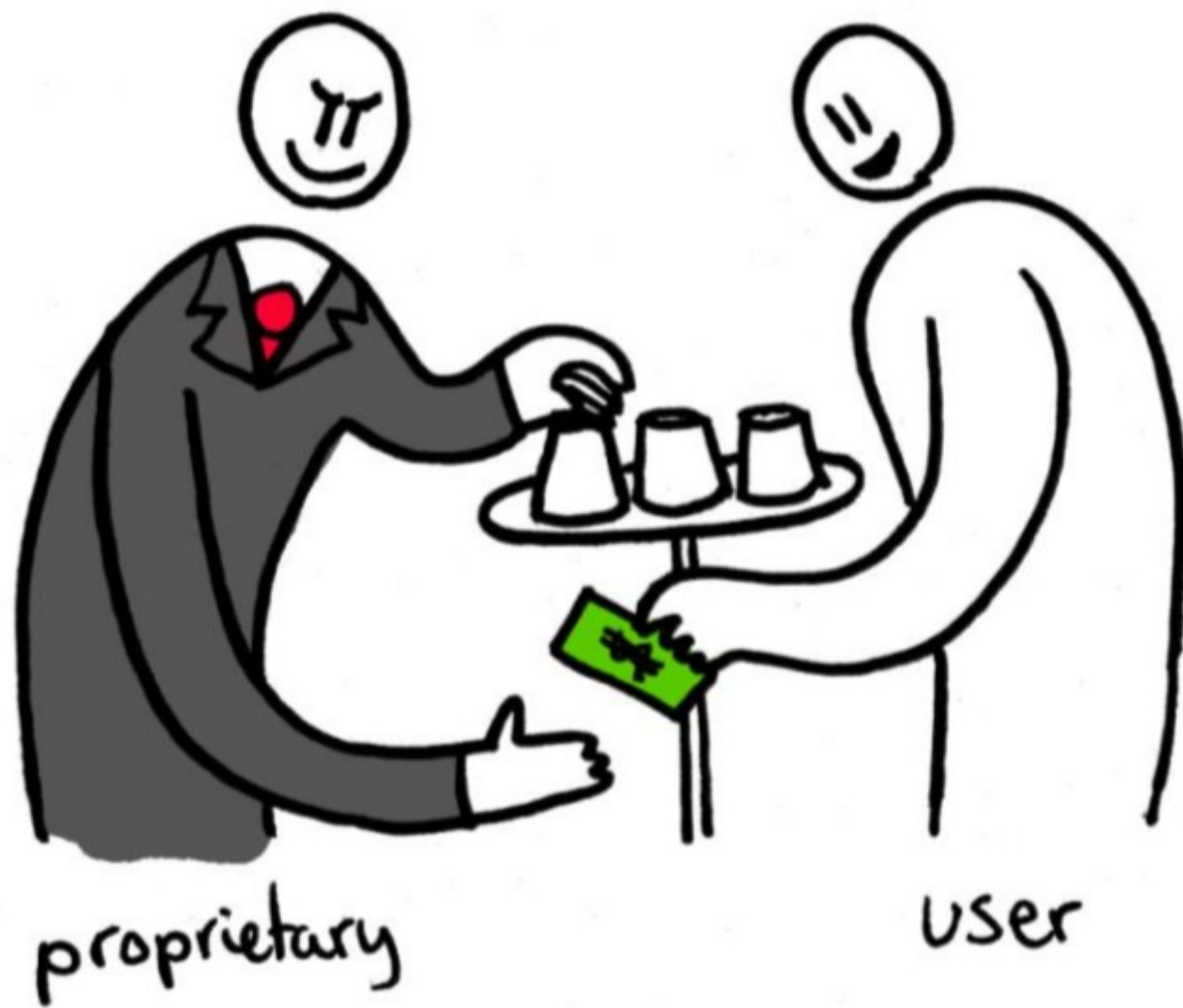
<https://www.gnu.org/proprietary/proprietary.html>

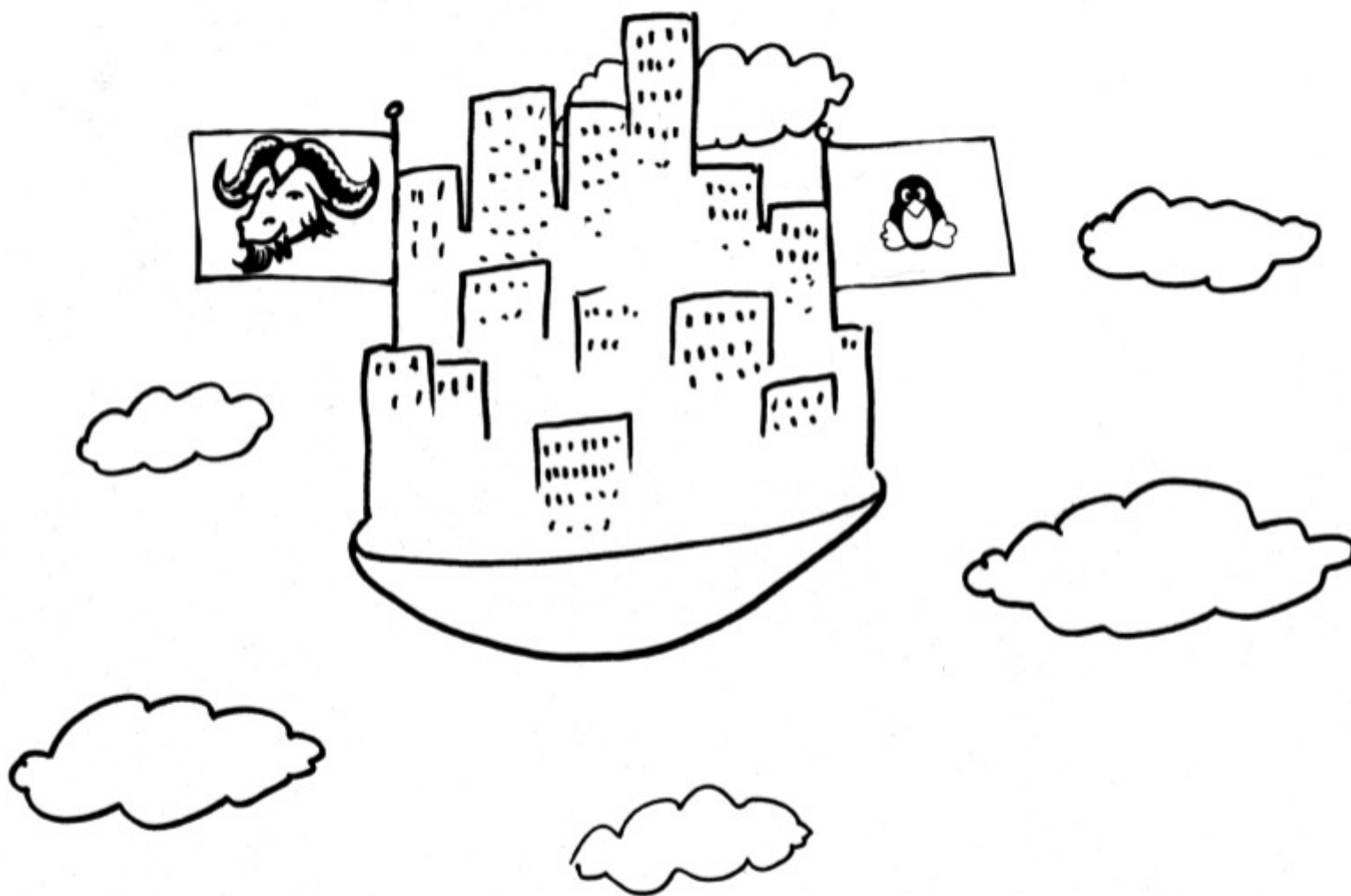
Proprietary malware



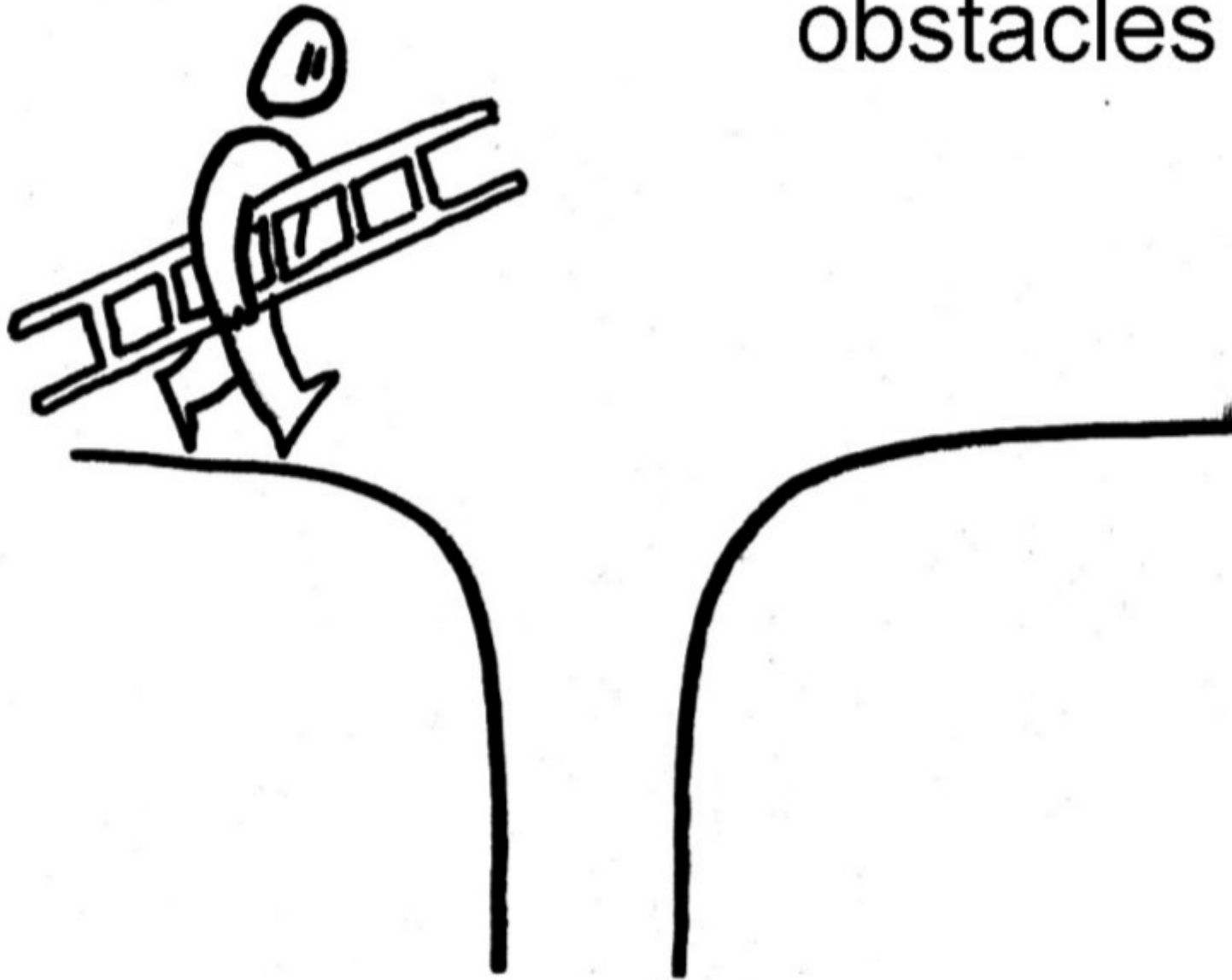


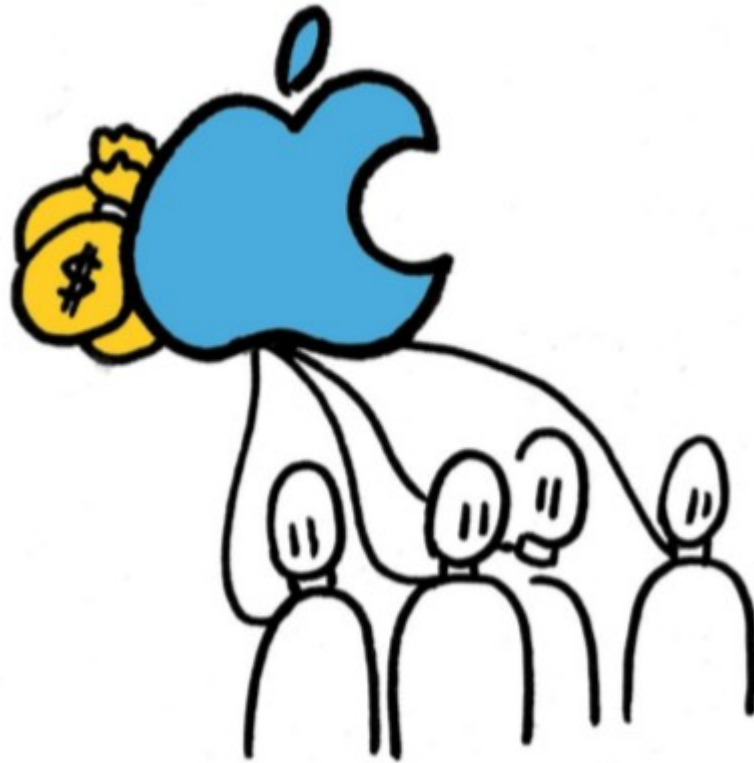
They abuse for profit





What obstacles ?



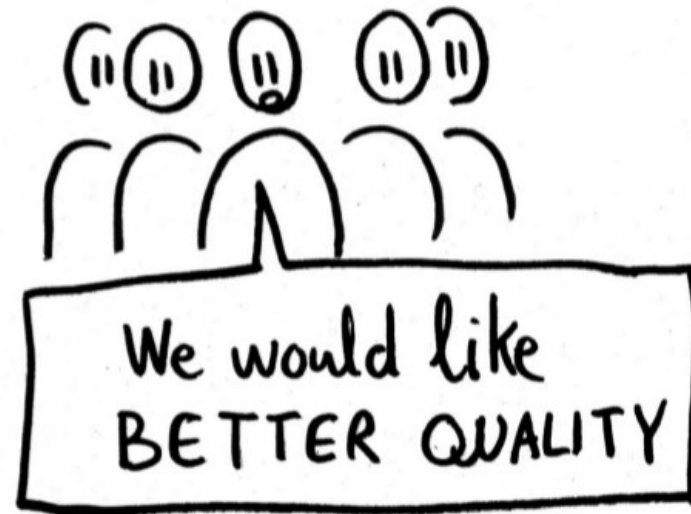


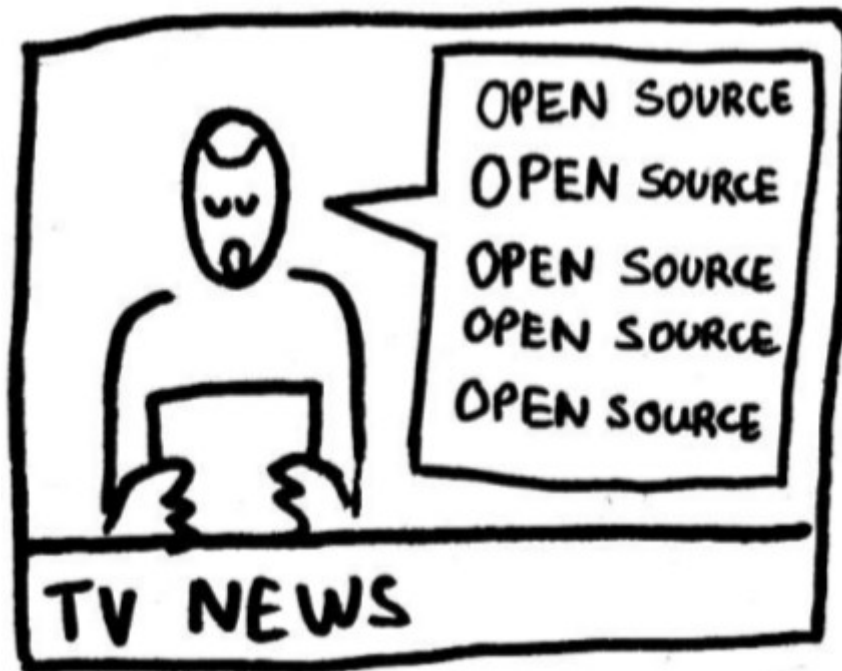


Free software activists



Open source boosters





Free Software vs Open Source

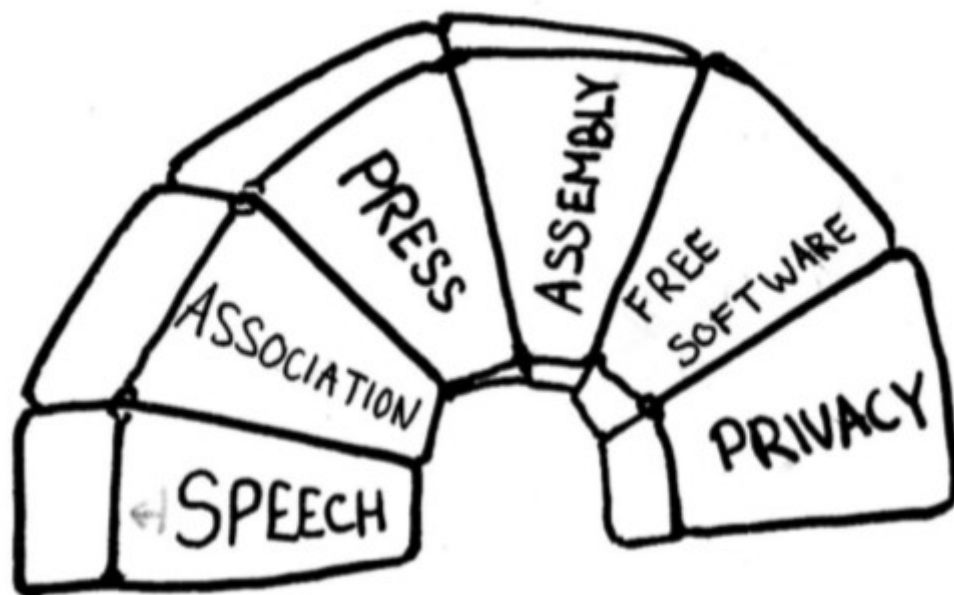


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Small sacrifices for freedom



Gràcies!