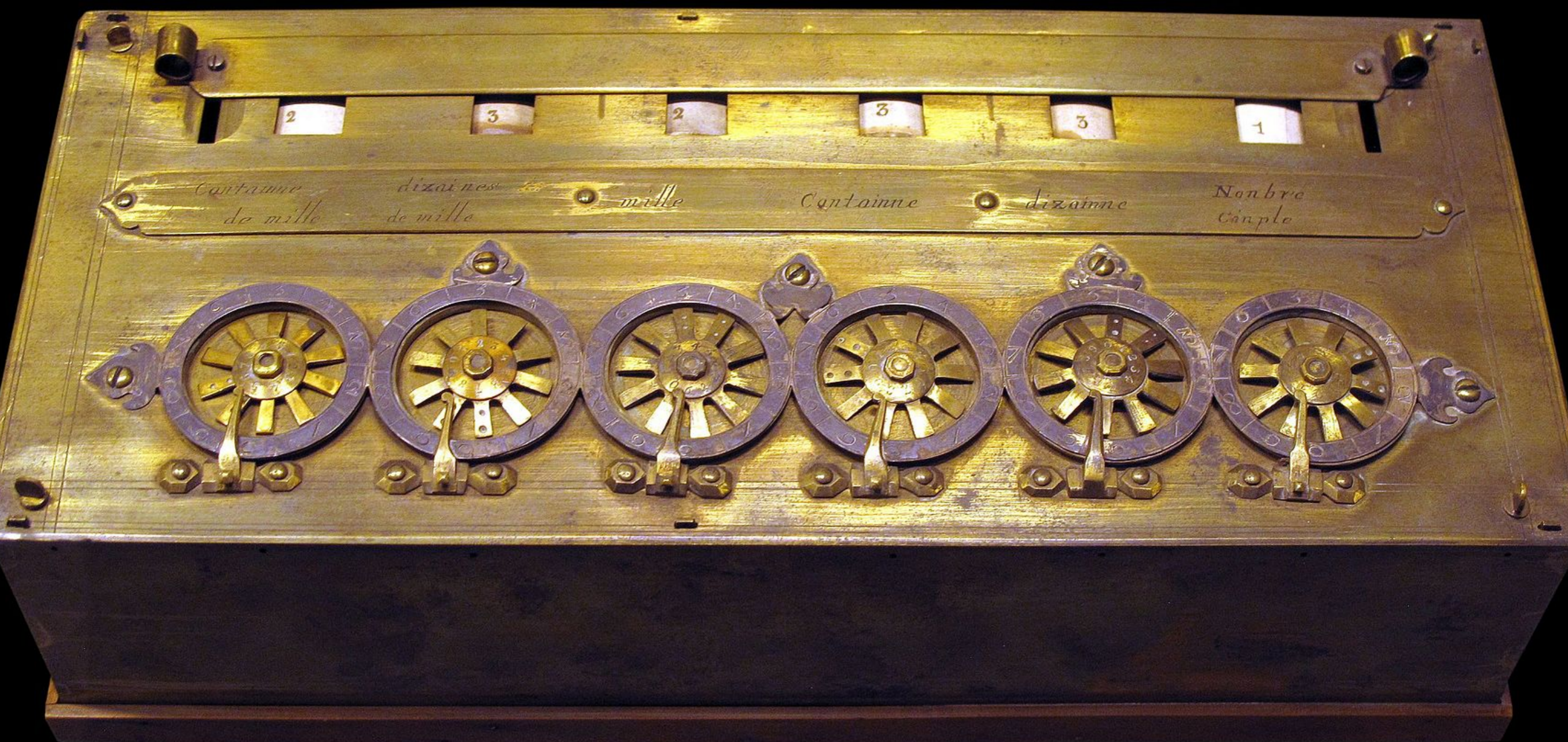

Epic v. Apple: A View from Computer Science

James Grimmelmann

December 7, 2021







2

3

2

3

3

1

Centaine
de mille

dizaines
de mille

mille

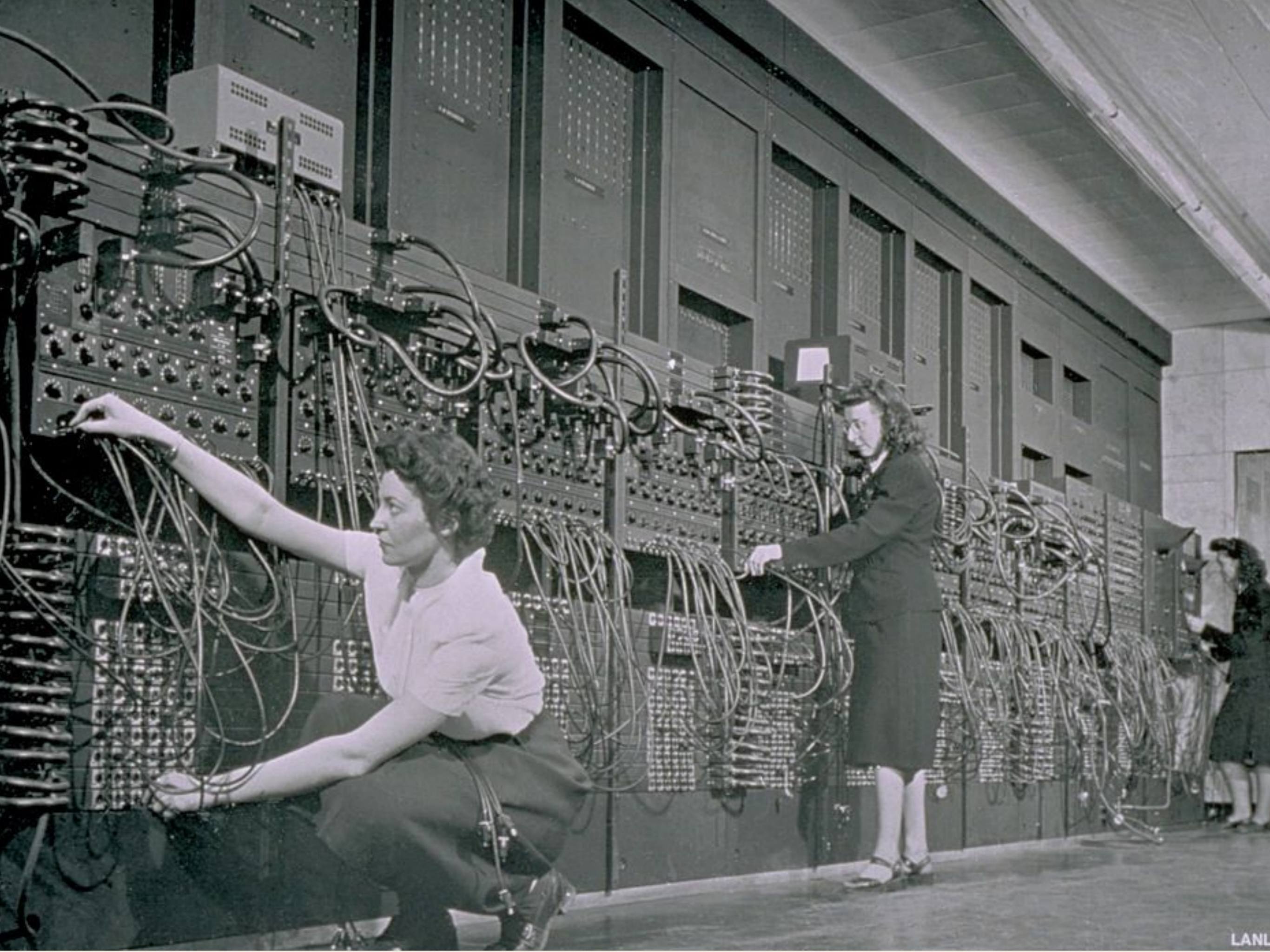
Centaine

dizaine

Nombre
simple









Clock

Settings

Program Manager

File Options Window Help

Main

File Manager Control Panel Print Manager ClipBoard Viewer

PIF

Solitaire

Game Help

Select Card Back

OK Cancel

Score: 0 Time: 0

About Program Manager

MICROSOFT WINDOWS.

Microsoft Windows Program Manager
Version 3.1
Copyright © 1985-1992 Microsoft Corp.

OK

File Explorer

File Explorer

Options Tools Window Help

C:

a c

- dos
- old_dos
- window
 - sys

- ↑...
- system
- _default.pif
- accessor.grp
- applicat.grp
- arcade.bmp
- argyle.bmp
- awcas.dll

C: 477MB free, 498MB total

Total

Calculator

Edit View Help

1337.

C CE Back

MC 7 8 9 / sqrt

MR 4 5 6 * %

MS 1 2 3 - 1/x

M+ 0 +/- . + =

Minesweeper

Game Help

Rank	Album	Artist	Genre	Rating
3	Steal My Kisses	Alanis Morris...	Rock	★★★★
4	Tears In Heaven	Ben Harper	Rock	★★★★
5	Layla	Eric Clapton	Alternative	★★★★
6	Like A Virgin	Eric Clapton	Rock	
7	Material Girl	Madonna	Rock	★★★★
8	Come As You Are	Madonna	Pop	★★★★
9	Nothingman	Nirvana	Pop	★★★★
10	Losing My Religion	Pearl Jam	Rock	★★★★
11	Scar Tissue	R.E.M.	Rock	★★★★
12	Californication	Red Hot Chili ...	Rock	★★★★
13	Maria Maria	Red Hot Chili ...	Rock	★★★★
14	Building A Mystery	Santana	Rock	★★★★
15	If it Makes You Happy	Sarah McLach...	Rock	★★★★
16	Brown Eyed Girl	Sheryl Crow	Rock	★★★★
17	Burn To Shine	Van Morrison	Rock	★★★★
18	...	Ben Harper	Alternative	★★★★
19	Home Roll	Ben Harper	Alternative	★★★★
20	...	G. Love & Spe...	Folk	★★★★
21	...	Morcheeba	Electronic	★★★★
22	...	Pearl Jam	Rock	★★★★
23	...	Sarah McLach...	Rock	★★★★
24	...	Van Morrison	Rock	★★★★











Ooops, your files have been encrypted!

English



Payment will be raised on

5/16/2017 00:47:55

Time Left

02:23:57:37

Your files will be lost on

5/20/2017 00:47:55

Time Left

06:23:57:37

[About bitcoin](#)[How to buy bitcoins?](#)[Contact Us](#)

What Happened to My Computer?

Your important files are encrypted.

Many of your documents, photos, videos, databases and other files are no longer accessible because they have been encrypted. Maybe you are busy looking for a way to recover your files, but do not waste your time. Nobody can recover your files without our decryption service.

Can I Recover My Files?

Sure. We guarantee that you can recover all your files safely and easily. But you have not so enough time.

You can decrypt some of your files for free. Try now by clicking <Decrypt>.

But if you want to decrypt all your files, you need to pay.

You only have 3 days to submit the payment. After that the price will be doubled. Also, if you don't pay in 7 days, you won't be able to recover your files forever.

We will have free events for users who are so poor that they couldn't pay in 6 months.

How Do I Pay?

Payment is accepted in Bitcoin only. For more information, click <About bitcoin>.

Please check the current price of Bitcoin and buy some bitcoins. For more information, click <How to buy bitcoins>.

And send the correct amount to the address specified in this window.

After your payment, click <Check Payment>. Best time to check: 9:00am - 11:00am

GMT from Monday to Friday



Send \$300 worth of bitcoin to this address:

12t9YDPgwueZ9NyMgw519p7AA8isjr6SMw

Copy

[Check Payment](#)[Decrypt](#)

The World's Most Powerful Monitoring Software for Computers, Mobile Phones and Tablets

Know Everything That Happens on A Computer or Smartphone, No Matter Where You Are



- ✓ Monitor all Android and iPhone digital and audio communications
- ✓ Monitor everything that happens on a PC or Mac
- ✓ More monitoring features than any other product
- ✓ No Hassle Remote Installation Service
- ✓ FREE Mobile Viewer App for Android and iPhone
- ✓ Used for Parental Control and Employee Monitoring

View Demo

Buy Now

FlexiSPY is monitoring software that you install on your computer or mobile device. It takes complete control of the device, letting you **know everything, no matter where you are.**



WARNING!

COMPUTER MAY BE AT RISK:

855-486-1800

Emergency Tech Support call immediately

system may have found (2) viruses that pose a serious threat

Rootkit.Sirefef.Spy ./ Trojan.FakeAV-Download

Your personal and financial information
may not be secured.

Call us now for support
855-486-1800

TECH SUPPORT

Your desktop is being remote controlled by [redacted]

Powered by LogMeIn

9:22 AM Connecting...

9:22 AM Connected. A support representative will be with you shortly.

9:23 AM Support session established with [redacted]

9:23 AM [redacted] restarting application as Windows system service

9:23 AM Connecting...

9:23 AM Connected. A support representative will be with you shortly.

9:23 AM Connection closed. Attempting reconnection...

9:23 AM Application running as Windows system service

9:23 AM Support session established with [redacted]

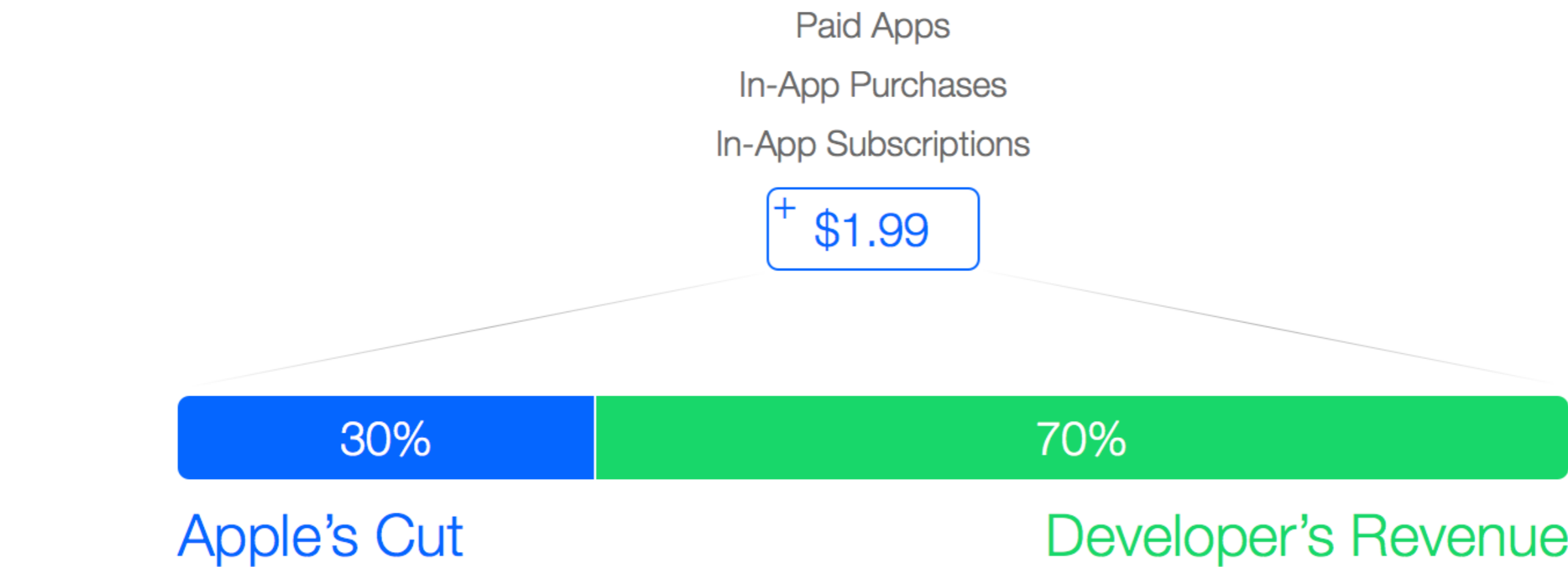
9:23 AM You have granted full permission to [redacted]. To revoke, click the red X on the toolbar or press Pause/Break on the keyboard.

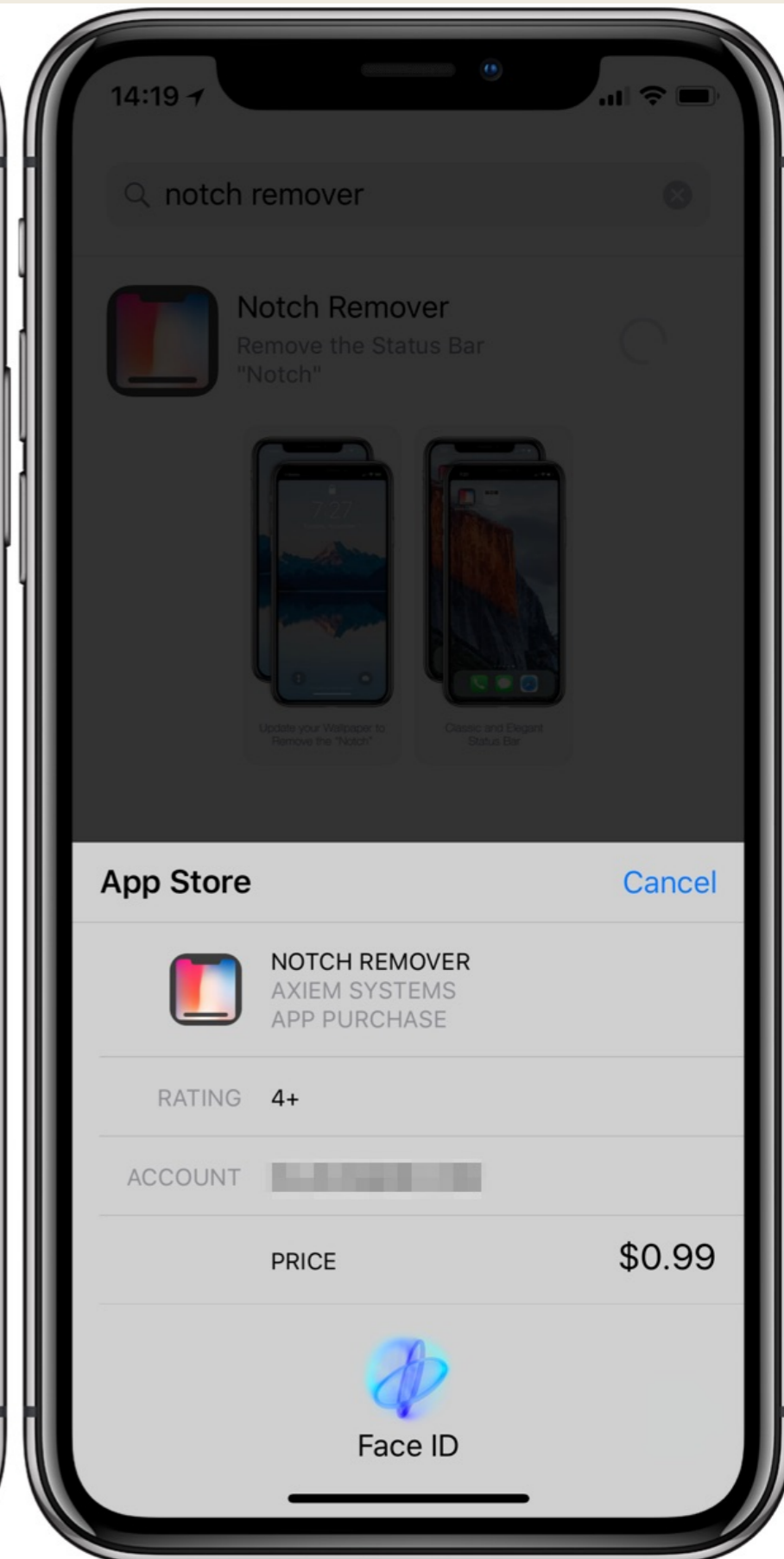
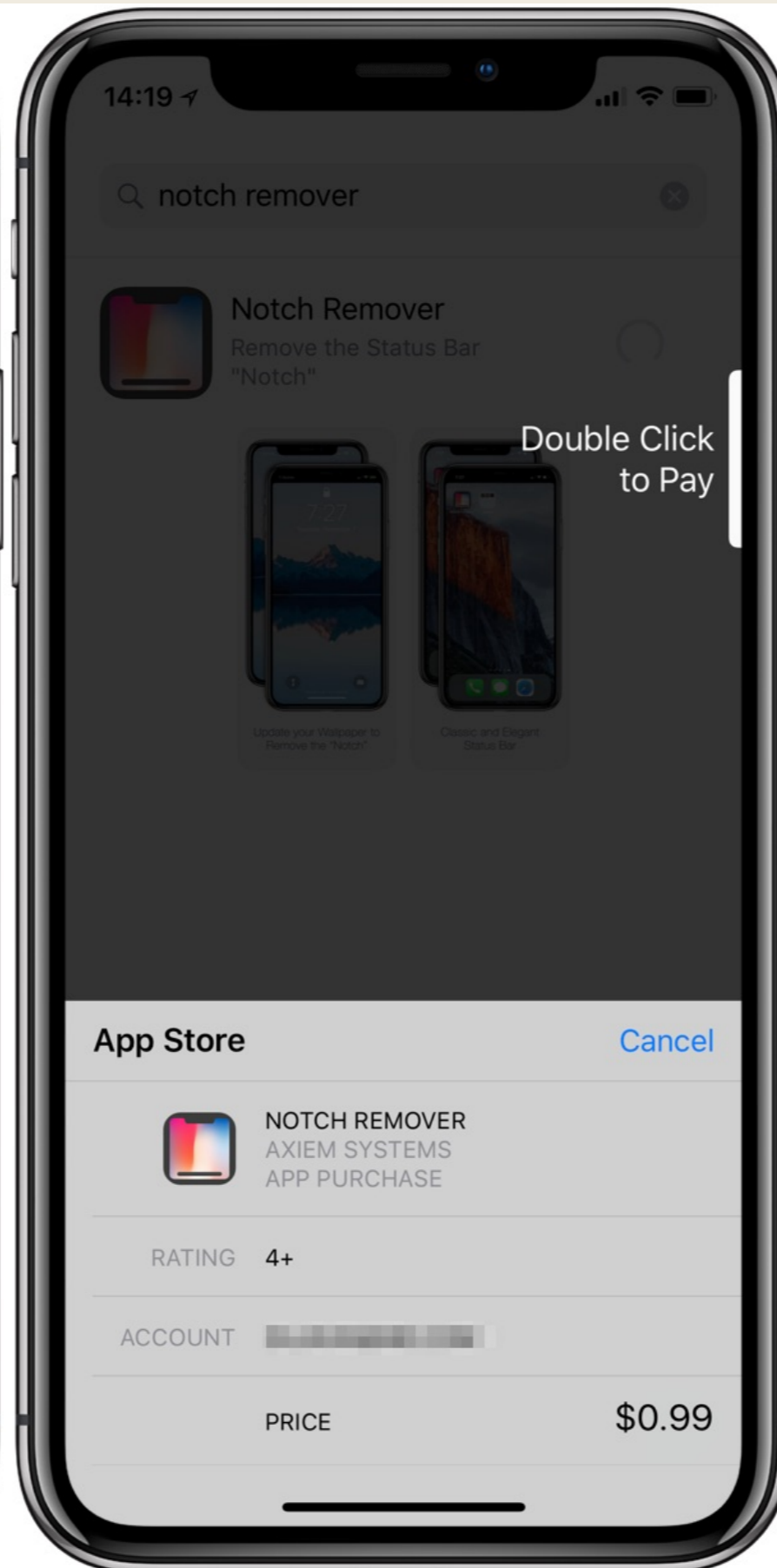
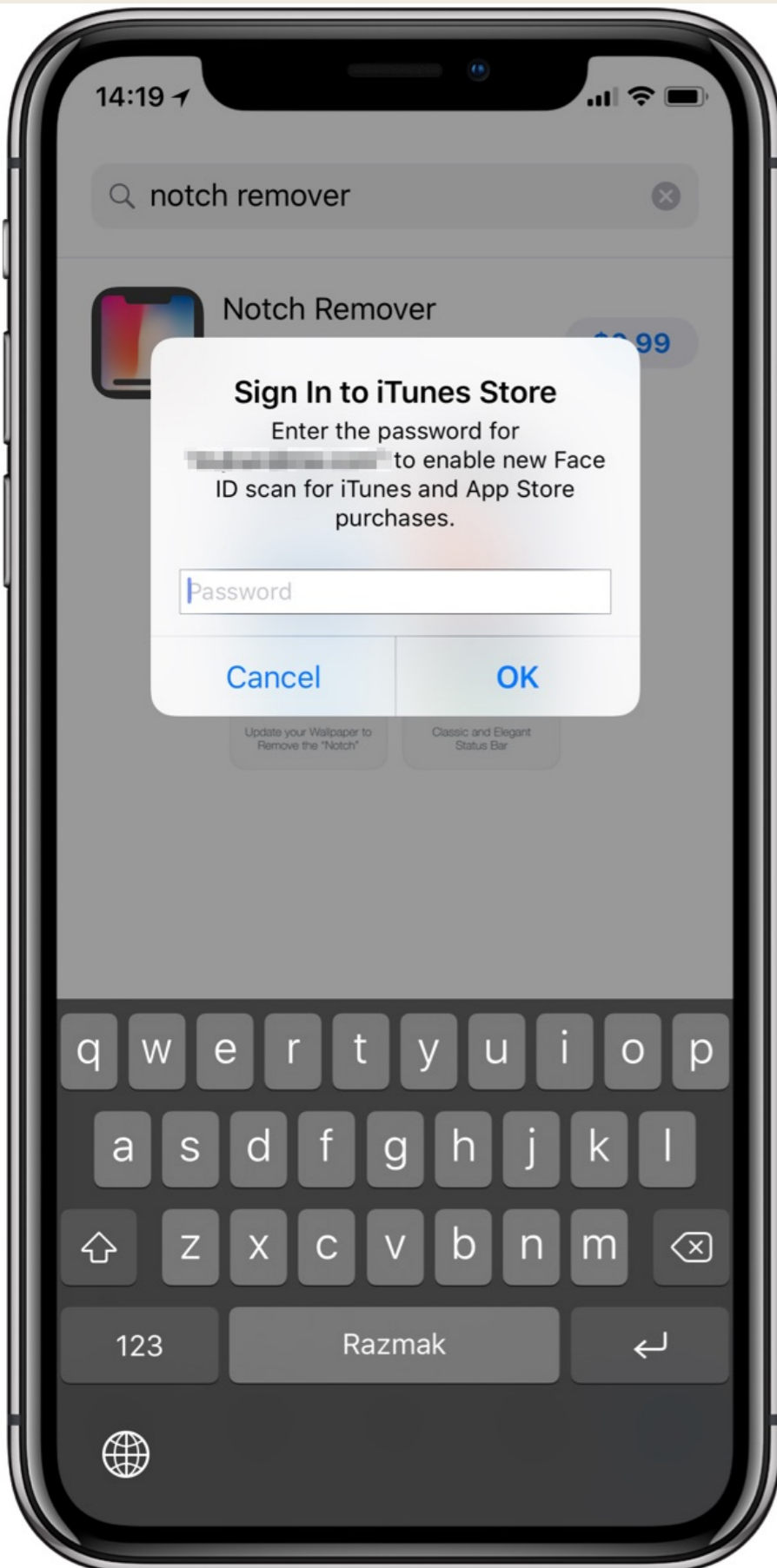
9:23 AM Remote Control started by [redacted].

Type here and press Enter to send



Apple takes a 30% cut of all App Store payments





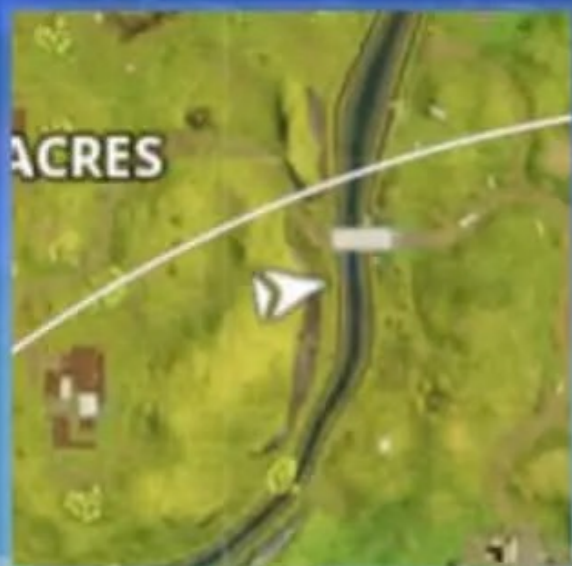
The Apple Bundle

- Hardware
- Operating system
- App installation
- Payment processing

On macOS, the bottom three are *nonexclusive*

On iOS, the bottom three are *exclusive*





0 100
+ 100 100

79
15 30 NE 60 75 E 105 120

1:34 45 1



35 11





The court's Solomonic compromise

- All of Apple's iOS restrictions are valid
- *Except* for the anti-steering provision
 - Epic can now *explicitly* direct users to make their purchases elsewhere
 - E.g., in a Safari tab on the very same device

A four-way struggle

- Platform providers
- App developers
- Hackers, scammers, etc.
- Users

The first three are all highly creative and highly motivated

