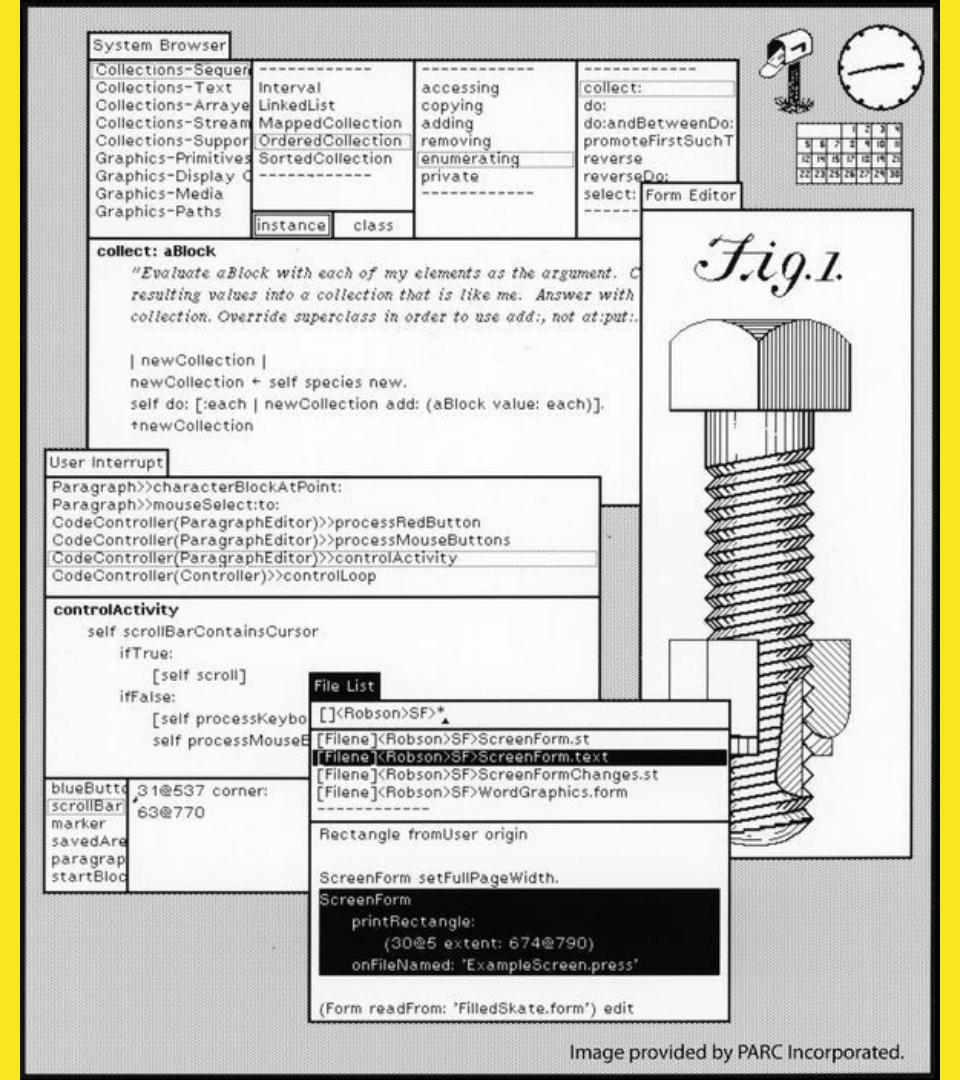
Smalltalk

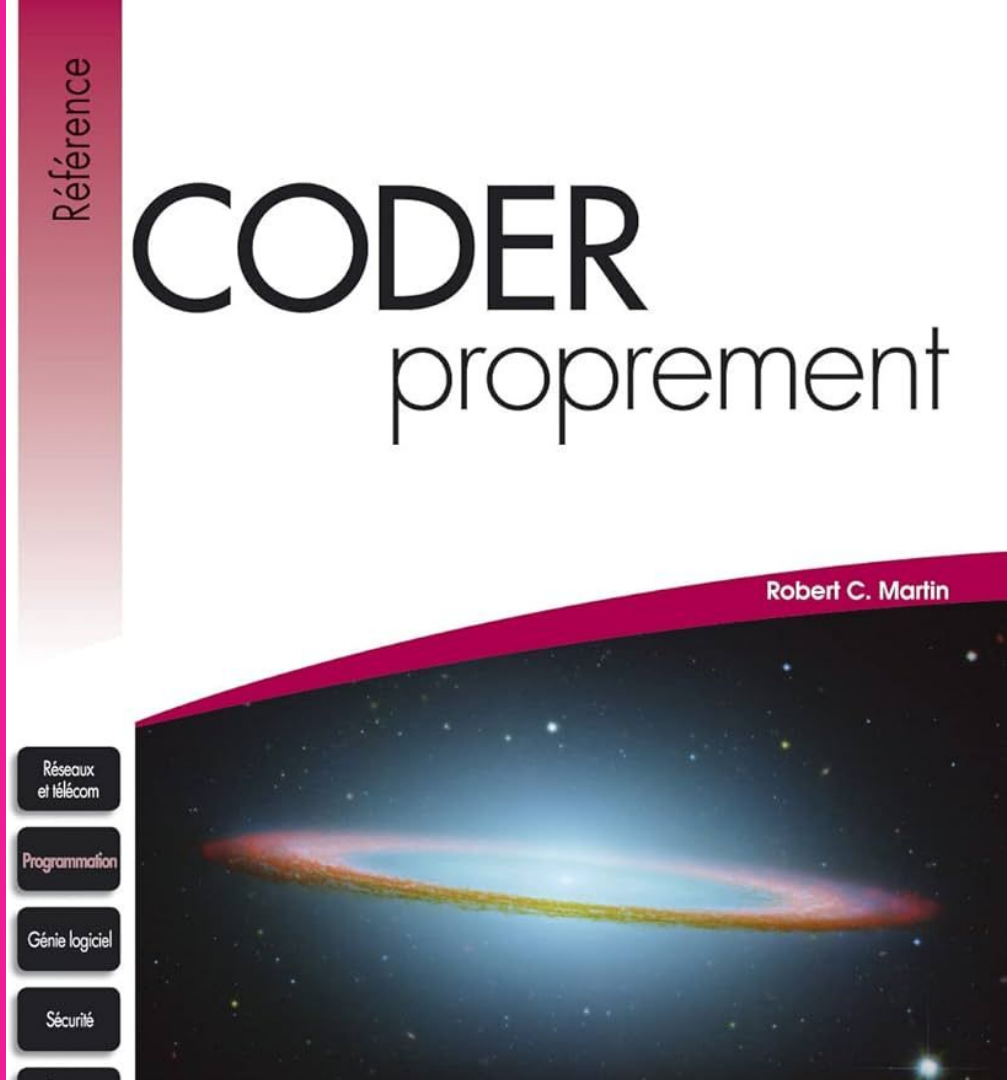
Voyage futuriste dans le passé

Tremplin Snowcamp 2024

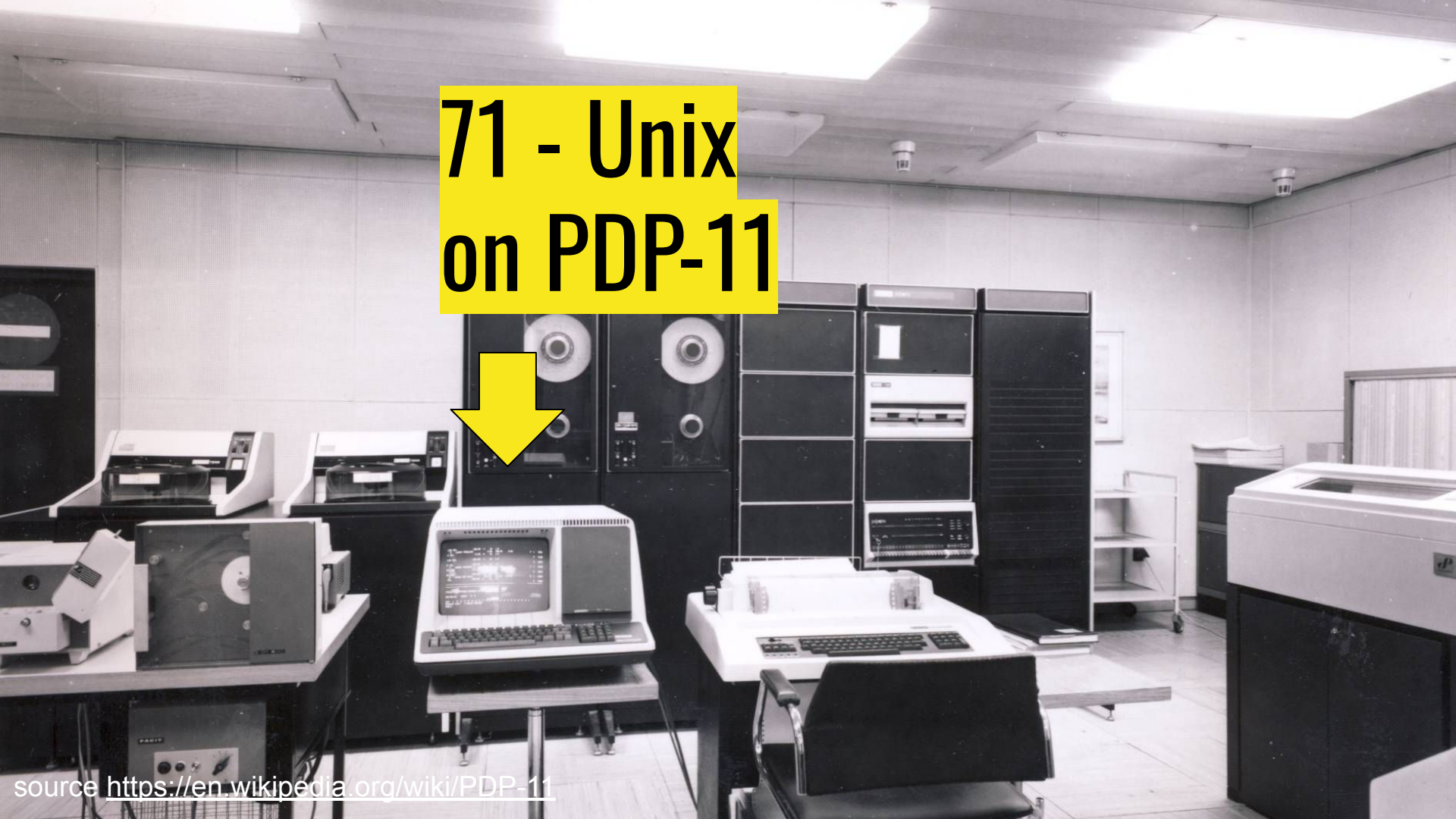
Lionel Armanet



Régis le stagiaire



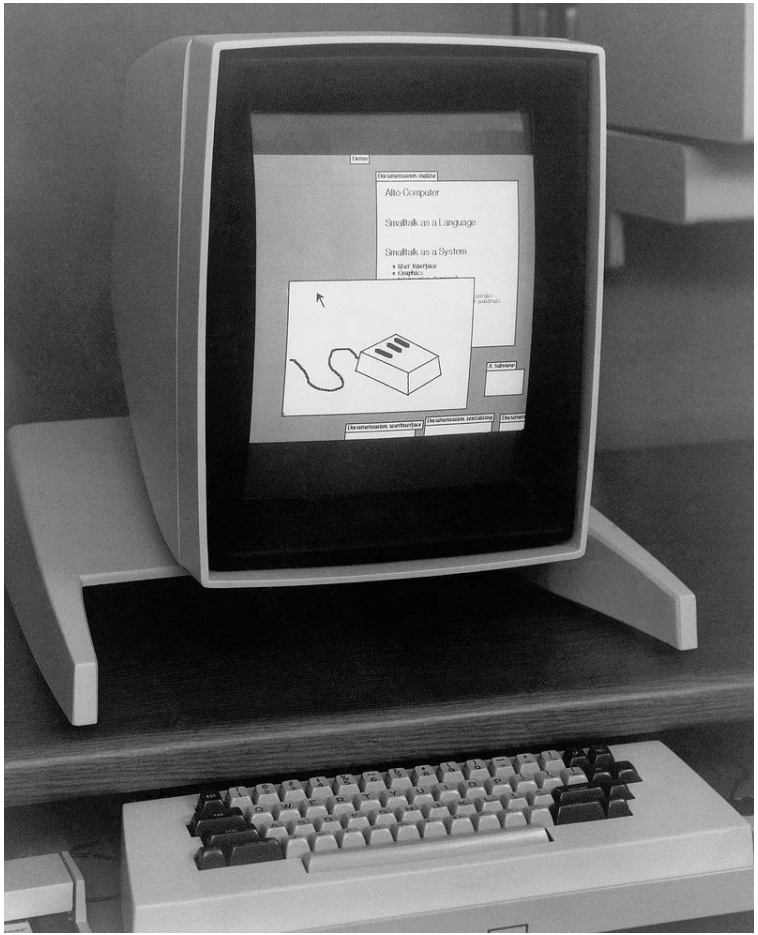
source https://www.bosch.com/stories/ibm-mainframe-computer-history/

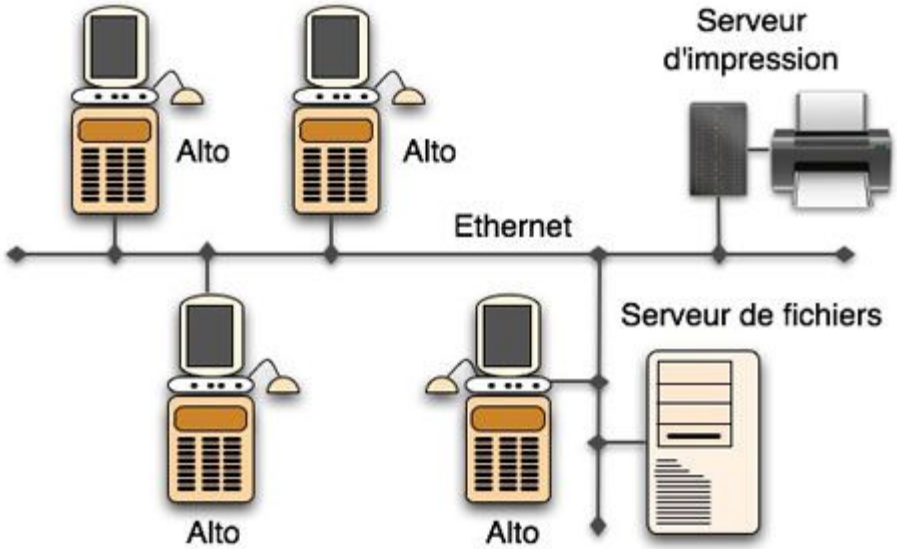


source https://en.wikipedia.org/wiki/PDP-11

70's at XEROX PARC

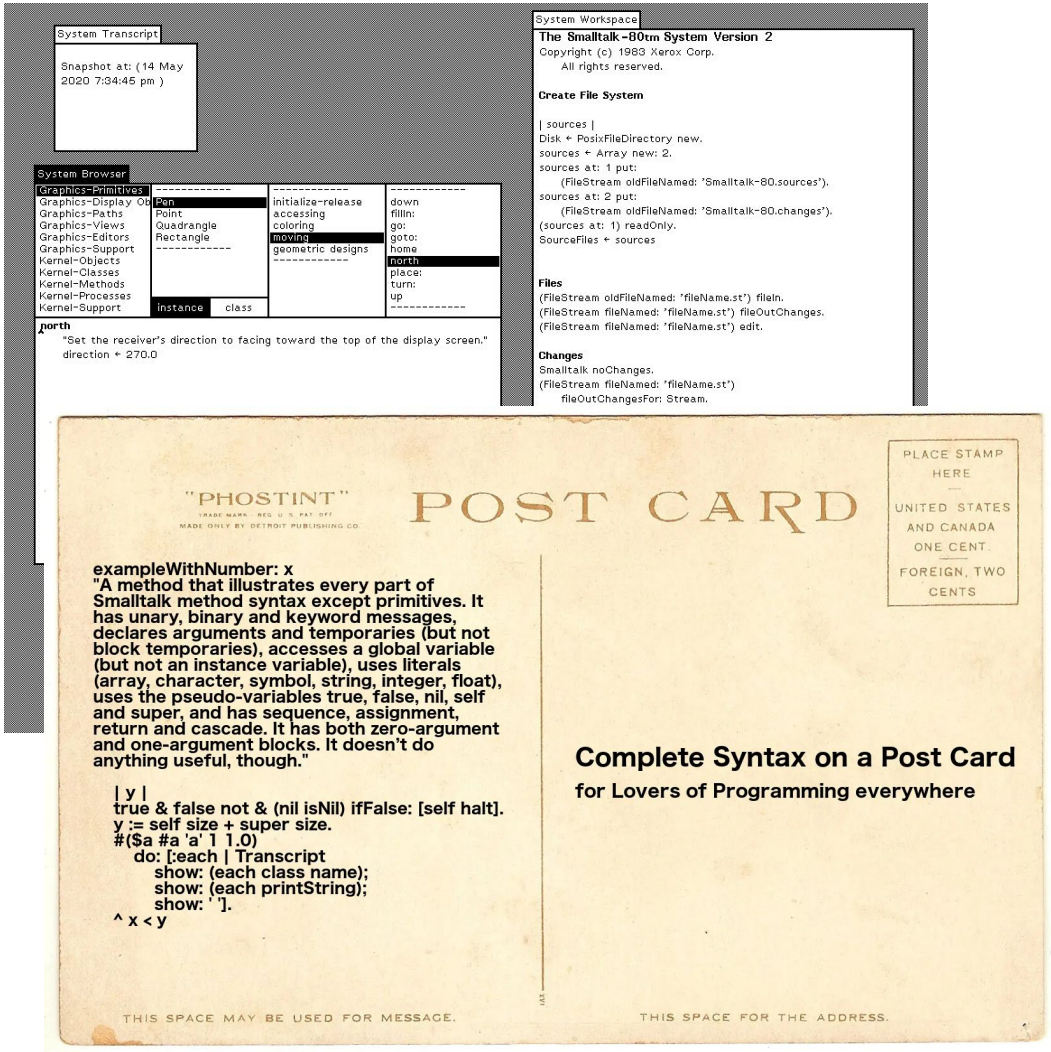
source https://interstices.info/xerox-parc-et-la-naissance-de-linformatique-contemporaine/


Alto Computer
Smalltalk as a Language
Smalltalk as a System


Alto
Alto
Serveur
d'impression
Ethernet
Serveur de fichiers
Alto
Alto

Smalltalk

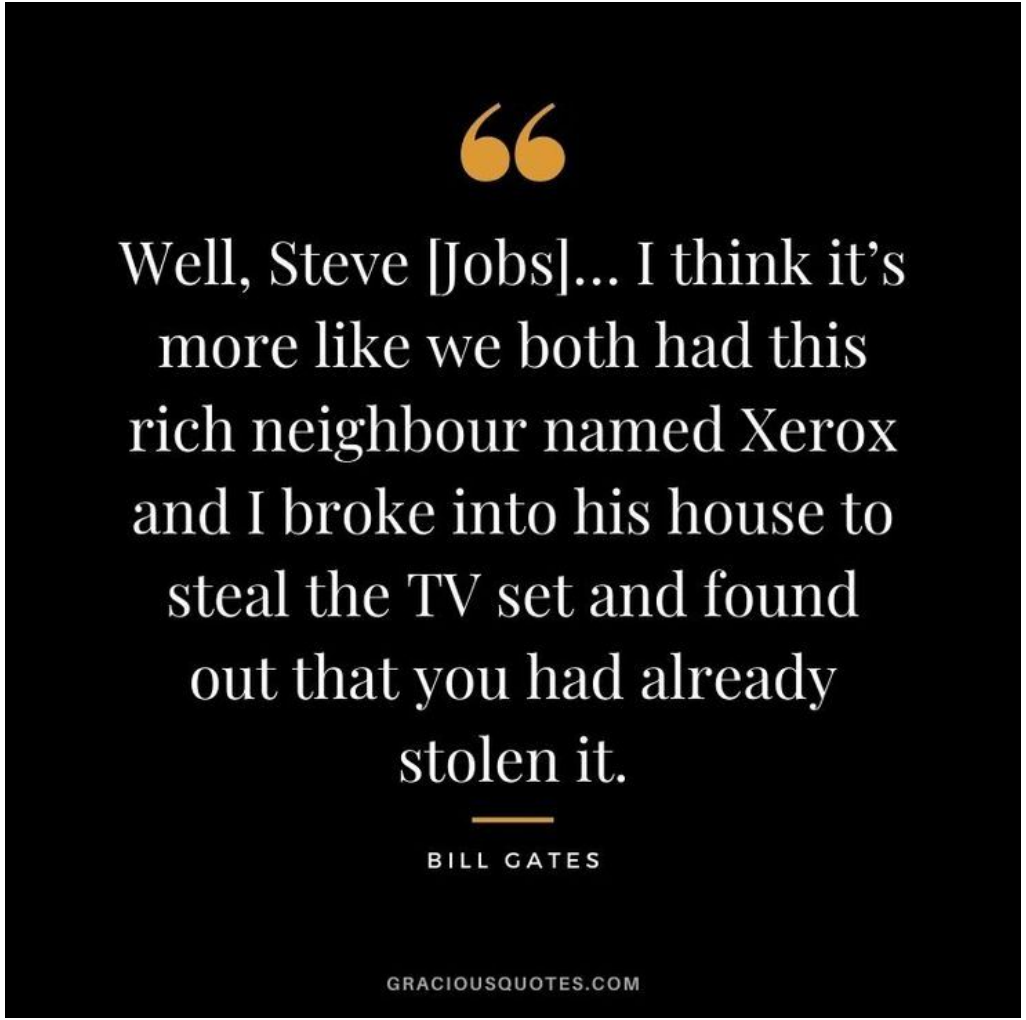
- POO
  - Encapsulation
  - Envoyer un message
  - Répondre à un message
- Métaphore du monde qui nous entoure
- “Always-on”, simple, IDE



80’s
Think
different?

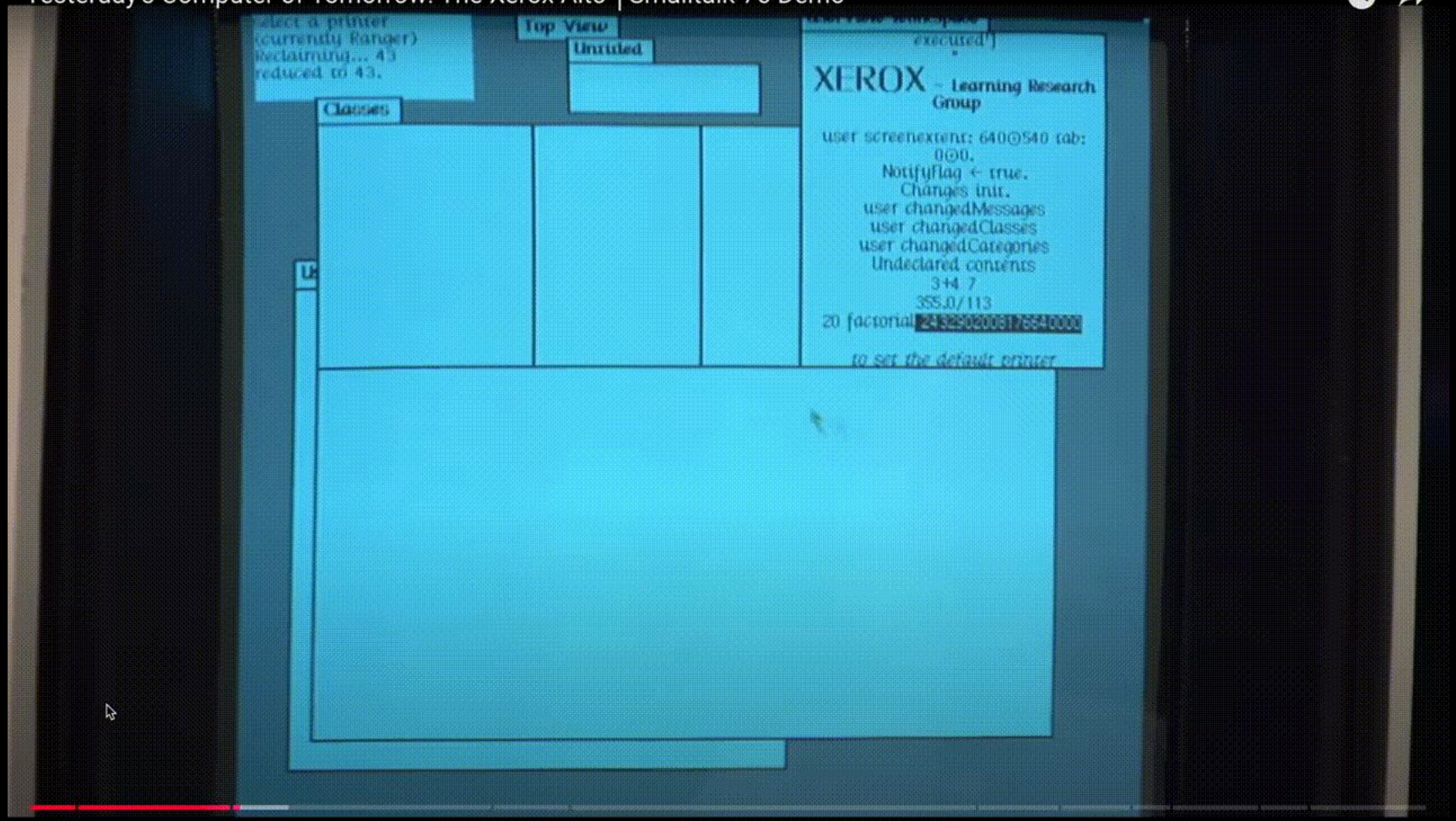
81 Xerox Star

83 Apple Lisa


Well, Steve [Jobs]... I think it's more like we both had this rich neighbour named Xerox and I broke into his house to steal the TV set and found out that you had already stolen it.
BILL GATES
GRACIOUSQUOTES.COM

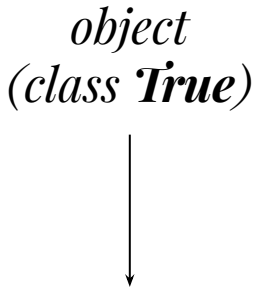
SHOW
ME THE
MONEY!

Yesterday's Computer of Tomorrow: The Xerox Alto | Smalltalk-76 Demo

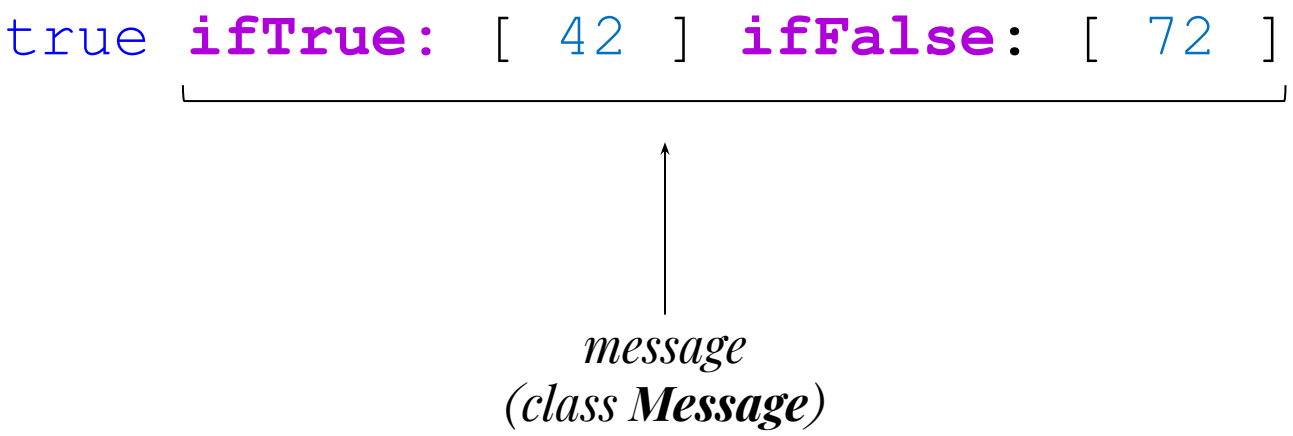


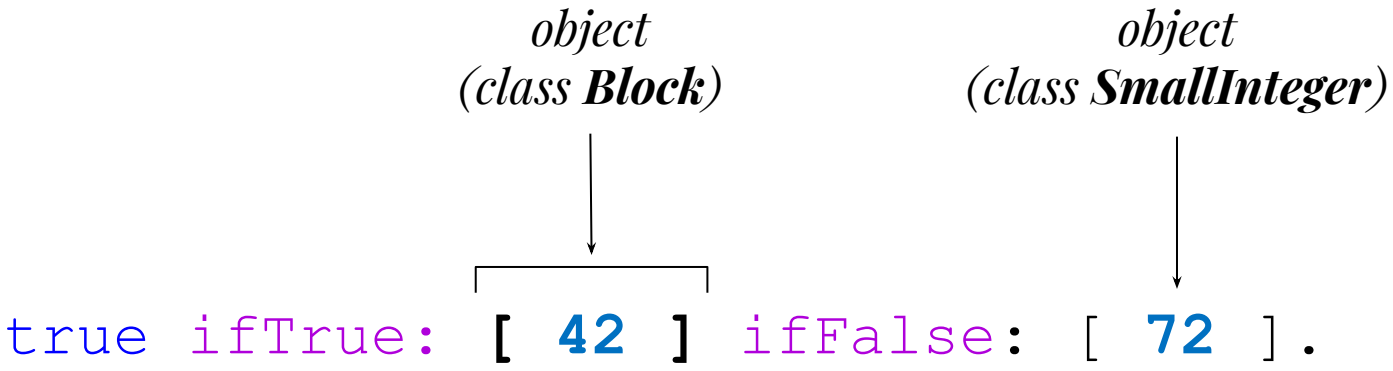
2:30 / 16:47 • Factorial ›

```
true ifTrue: [ 42 ] ifFalse: [ 72 ].
```

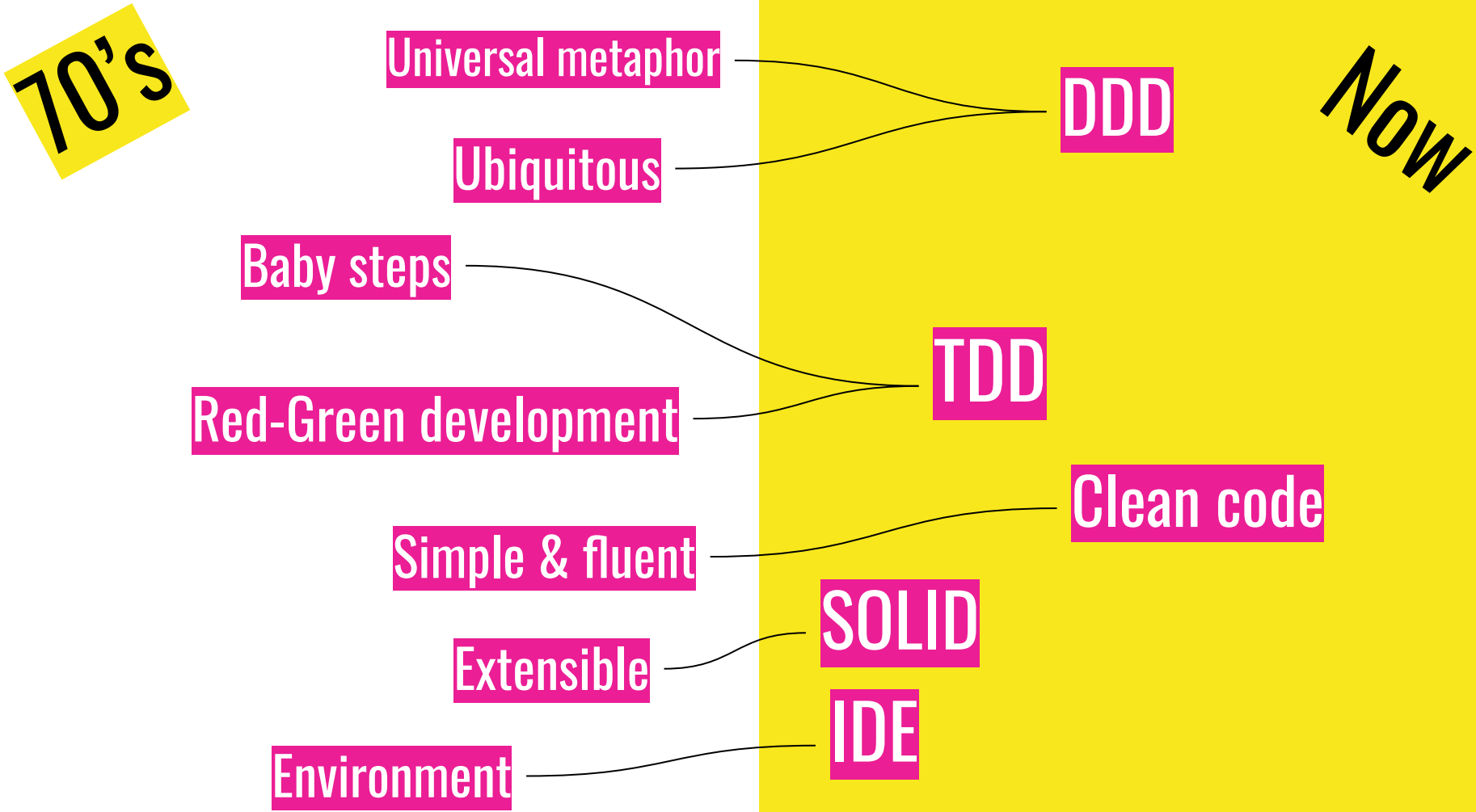



```
true ifTrue: [ 42 ] ifFalse: [ 72 ].
```


true ifTrue: [42] ifFalse: [72].
message
(class Message)



Demo https://cuis.st/


70's
Universal metaphor
Ubiquitous
DDD
Now
Baby steps
Red-Green development
TDD
Clean code
Simple & fluent
SOLID
Extensible
IDE
Environment

Régis le stagiaire

challenger “l’anormal”

apprendre de tous

apprendre du passé

Everyone thanksForAttending.

object
*(instance of **Something** **class**)*


```
Something new.
```

a Something

object
*(instance of **Something** **class**)*


```
Something new.
```

a Something

```
Something blue.
```

a Something

object
*(class **Symbol**)*


```
Object subclass: #MyClass
        instanceVariableNames: 'var1'
        classVariableNames: ''
        poolDictionaries: ''
        category: 'Demo'.
```

Beck pioneered software design patterns, as well as the commercial application of Smalltalk. He wrote the SUnit unit testing framework for Smalltalk, which spawned the xUnit series of frameworks, notably JUnit for Java, which Beck wrote with Erich Gamma. Beck popularized CRC cards with Ward Cunningham, the inventor of the wiki.

https://en.wikipedia.org/wiki/Kent_Beck