Portable applications for

One Laptop Per Child

What is the **One Laptop Per Child** project?

SIMBOLOS

XO Laptop comes with its own innovations

A light, low power consumption machine ergonomically suited to children

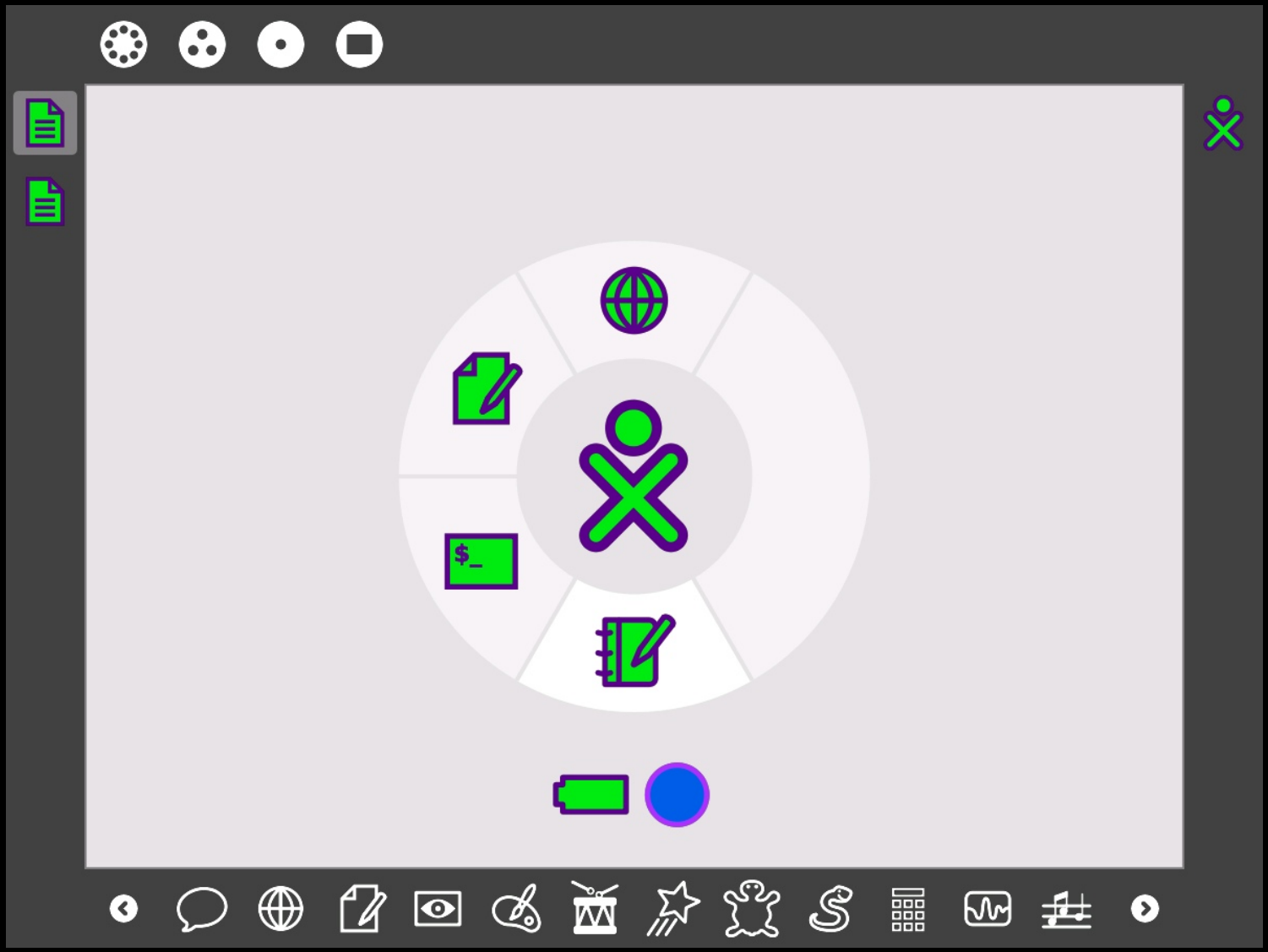
Dual display mode operating under direct sun light

Color mode

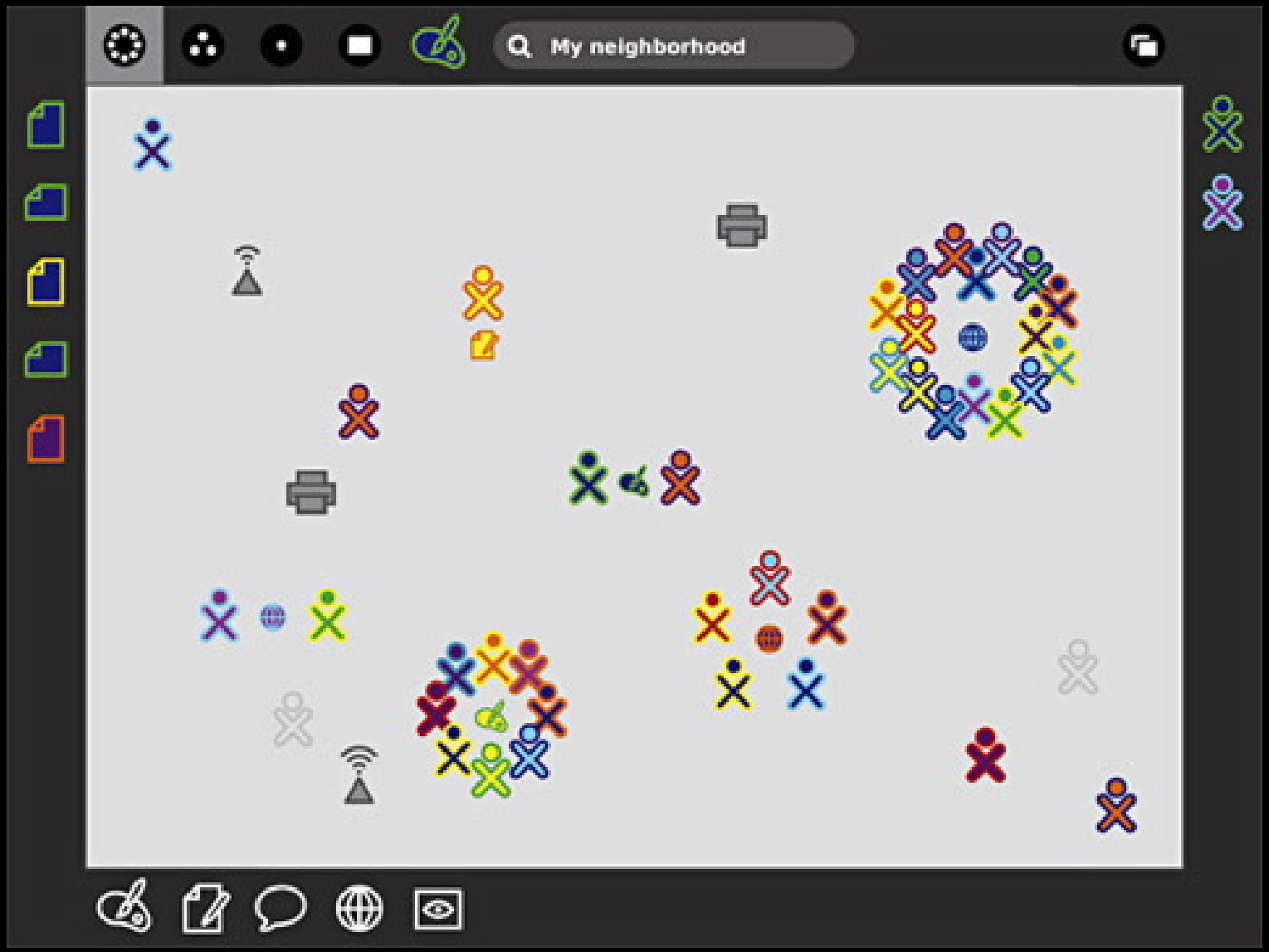
B&W mode at 200 dpi

Ebook reader mode

SUGAR, the user interface paradigm for OLPC



Sharing over the mesh network



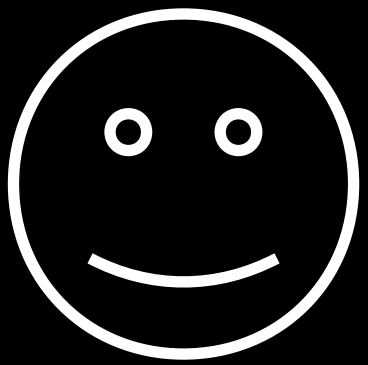
Why free software for education?

OLPC proposes Python and Smalltalk to develop software

The Smalltalk developer platform in **OLPC XO**

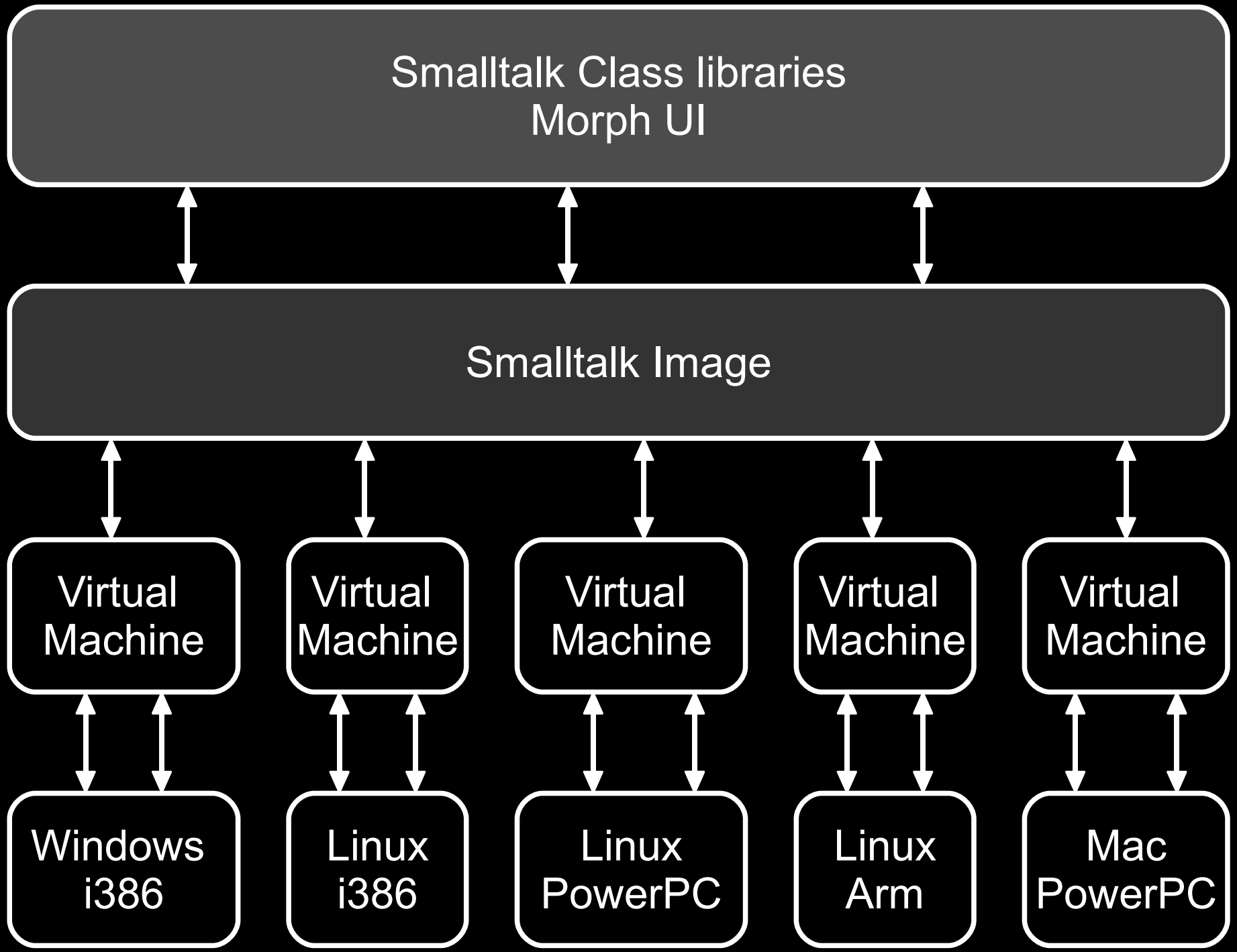
When writing free software,
you want portability

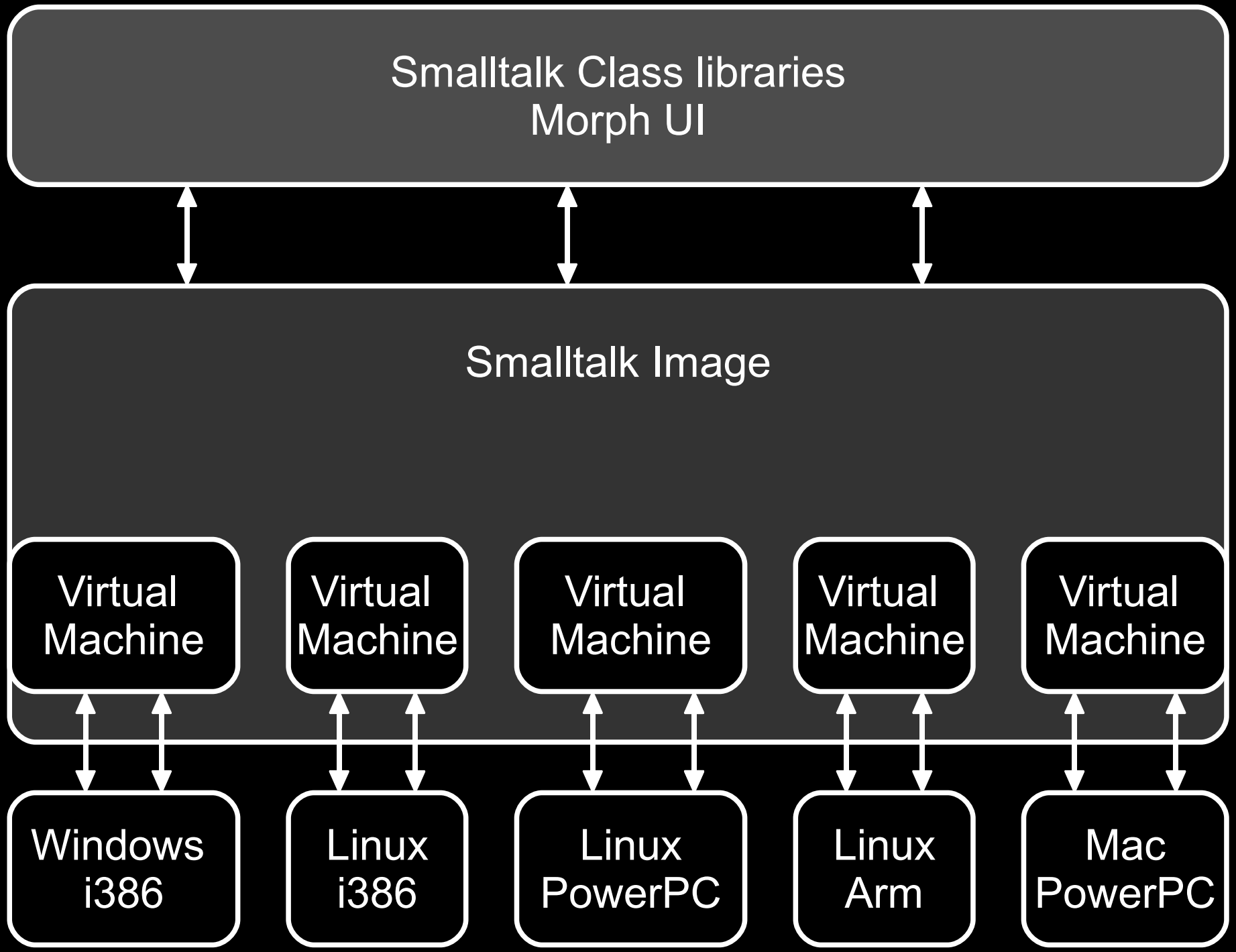
You want to maximize
your user base,
so you can be more famous



Smalltalk – Etoys
is extremely portable

Why so?


Smalltalk Class libraries
Morph UI
Smalltalk Image
Virtual Machine
Virtual Machine
Virtual Machine
Virtual Machine
Virtual Machine
Windows i386
Linux i386
Linux PowerPC
Linux Arm
Mac PowerPC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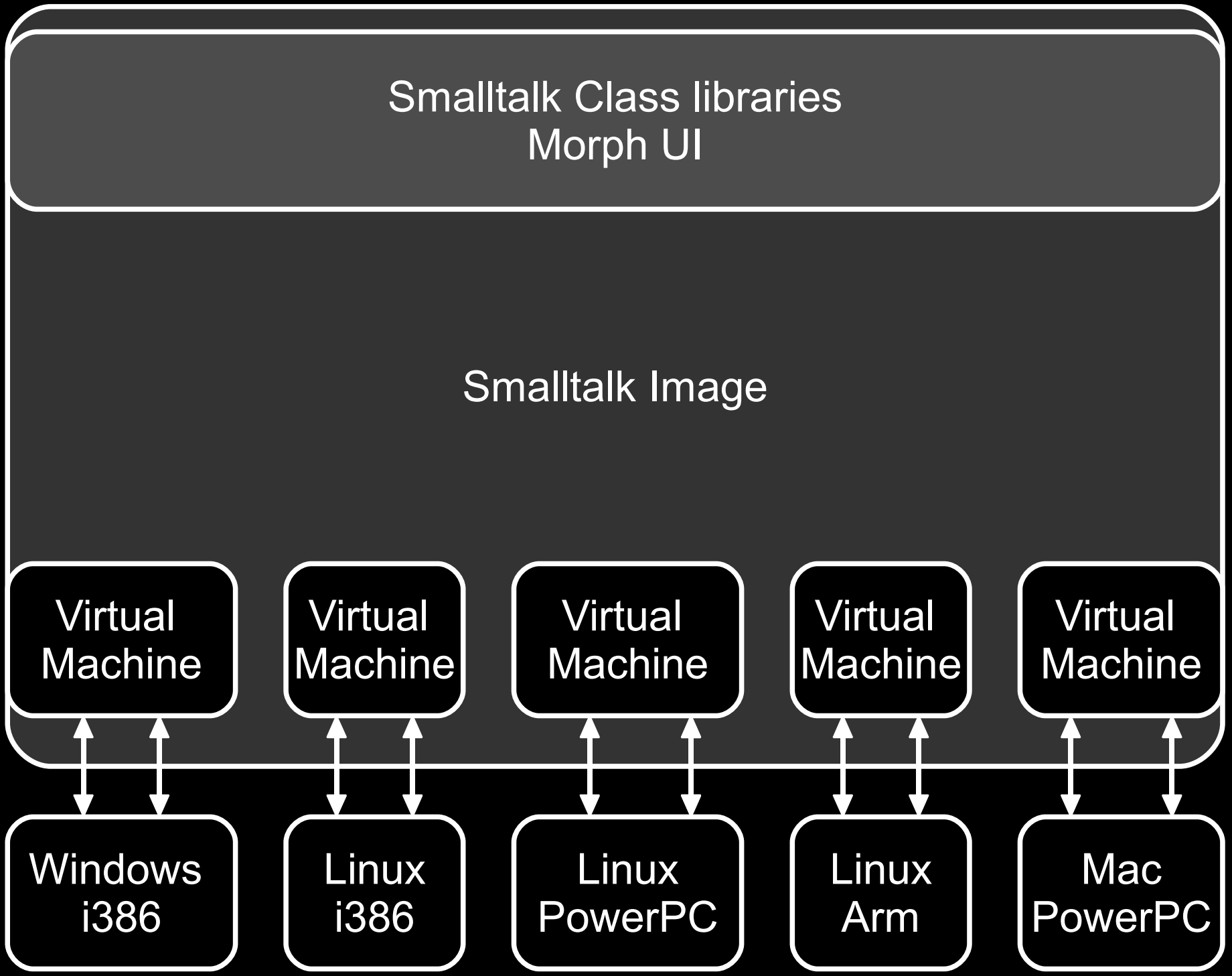
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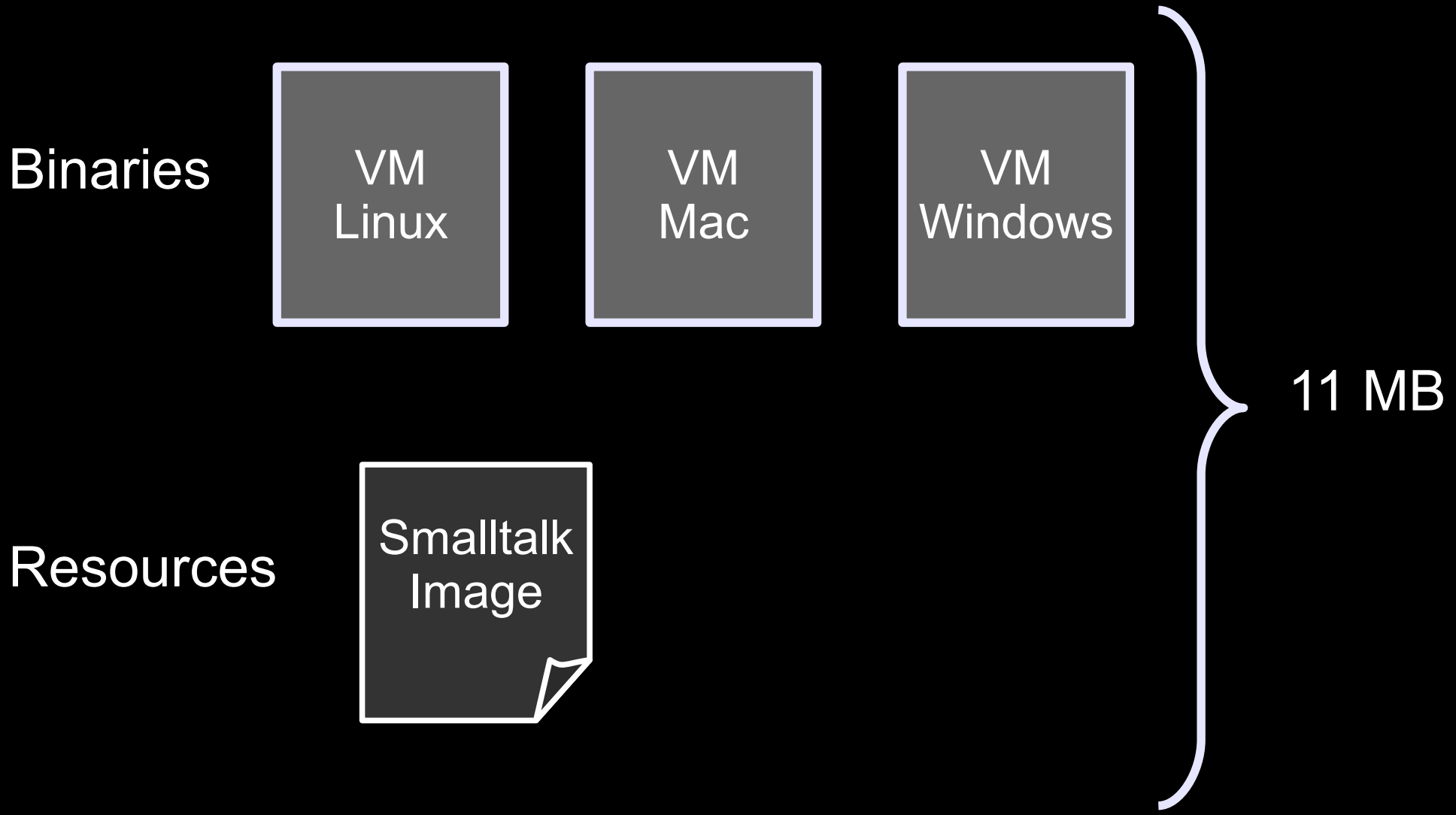
One-click distribution

for Smalltalk application

One-click distribution architecture



XO bundle distribution architecture

A folder architecture with an XML description file

ship it with Smalltalk image segment

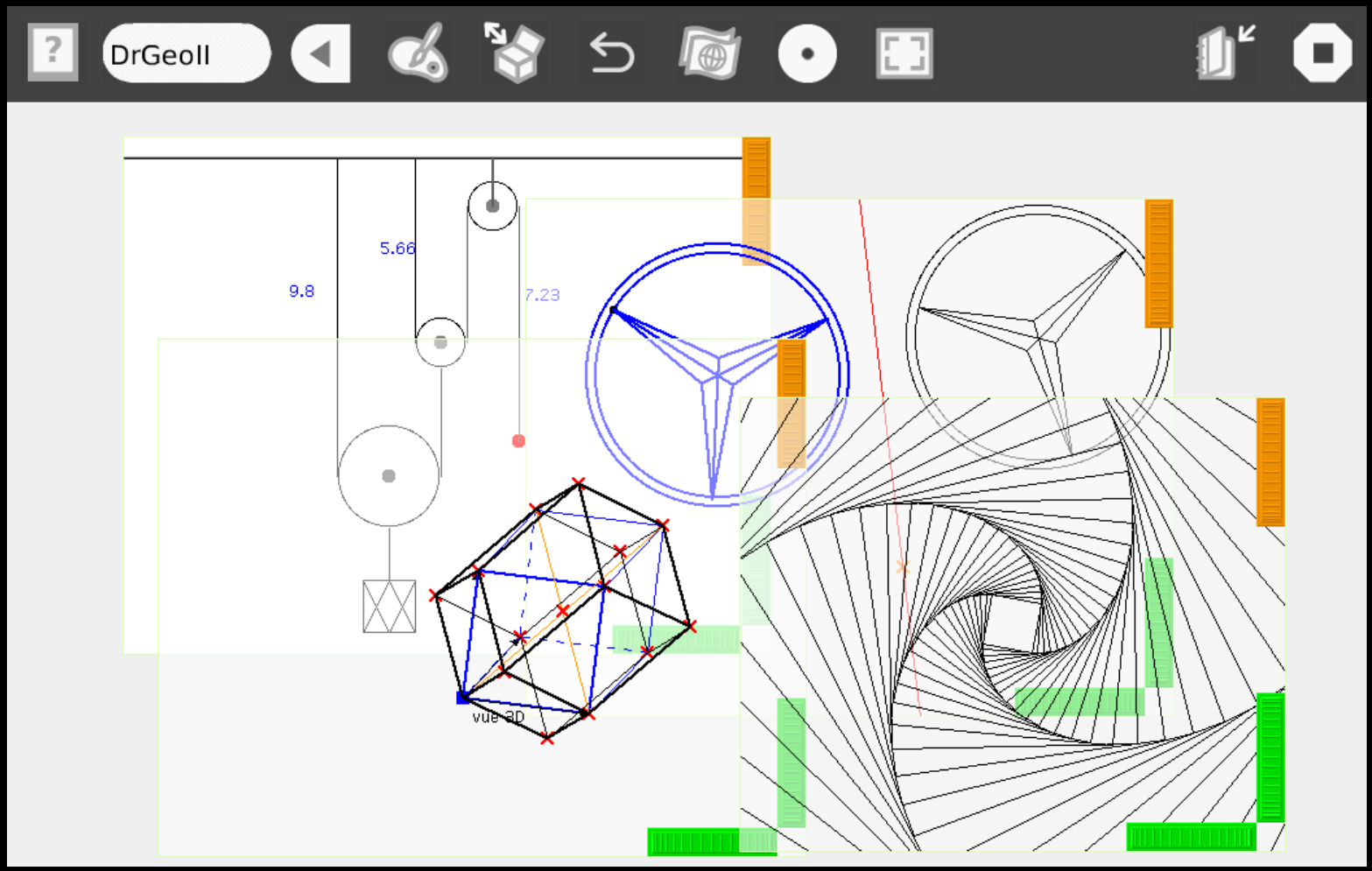
or with Smalltalk image

virtual machine already in the XO laptop

A one-click distribution example...

Dr. Geo II

interactive geometry framework for Etoys



The future of Smalltalk opensource

Pharo : http://pharo-project.org

Better for the better
Beauty to learn from
Not backward compatible
Clean, lean and fast

OLPC http://wiki.laptop.org

Etoys http://www.squeakland.org

Dr. Geo II http://wiki.laptop.org/go/DrGeo

Pharo http://pharo-project.org