

Chapter 1



16:21

TUE, JANUARY 8

Charging, 59%

Roboto Thin

Roboto Medium

Roboto Light

Roboto Bold

Roboto Normal

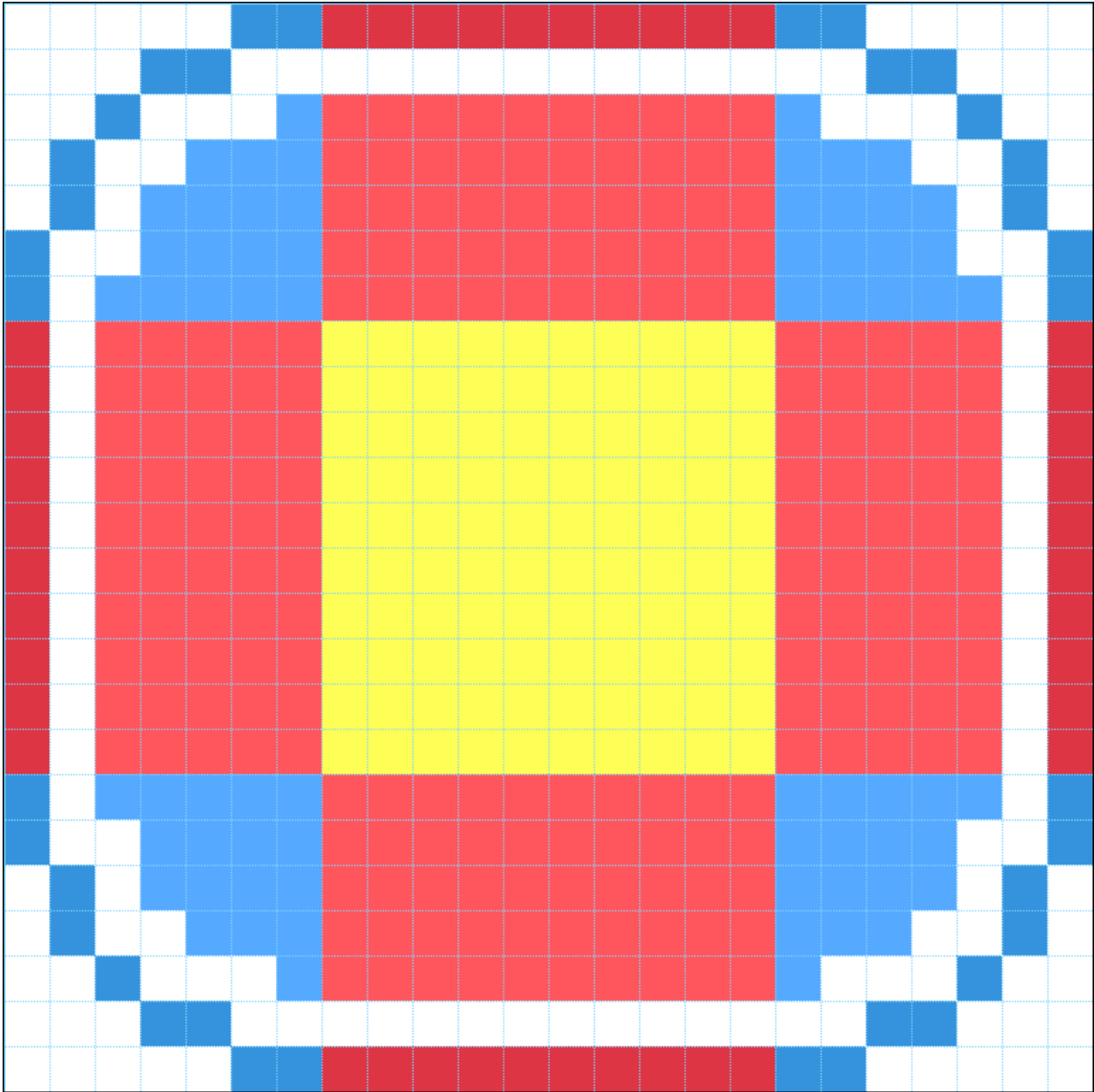
Roboto Ultra-Bold

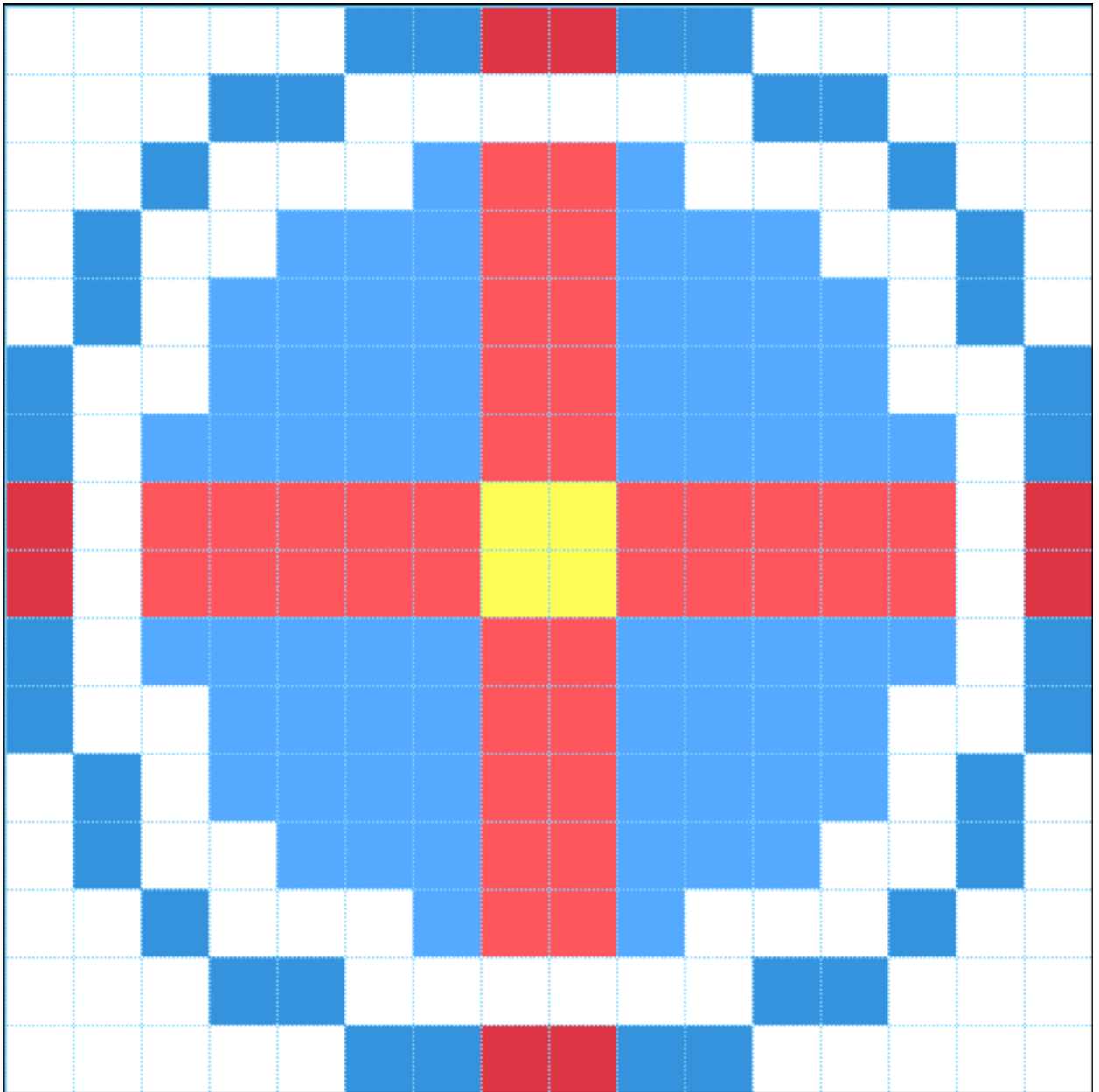
07:40:48

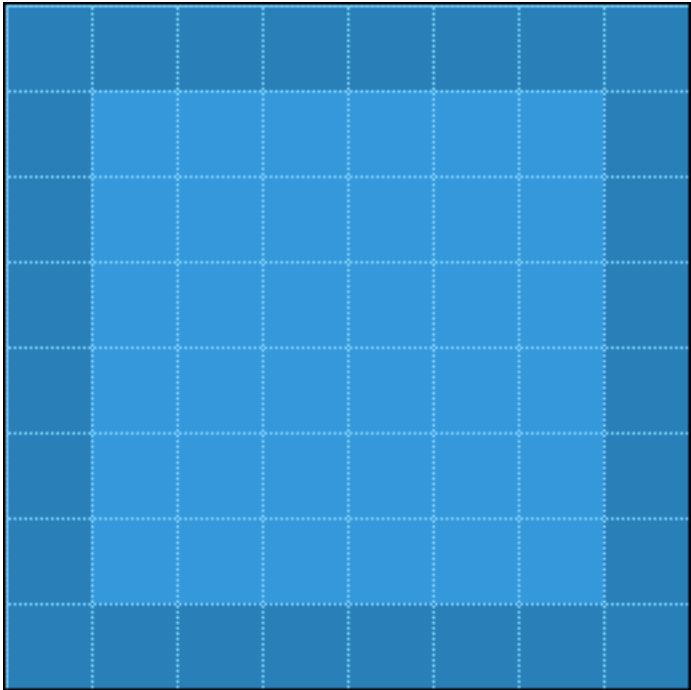
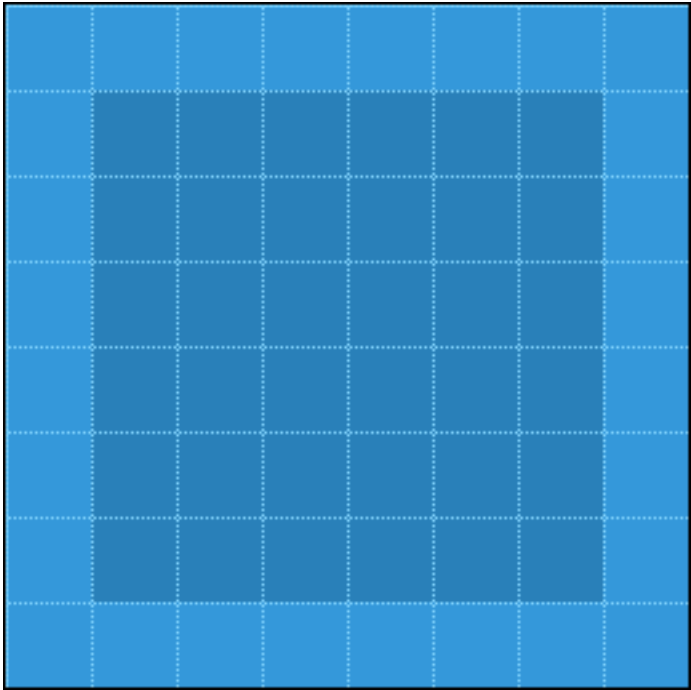
Start

Reset

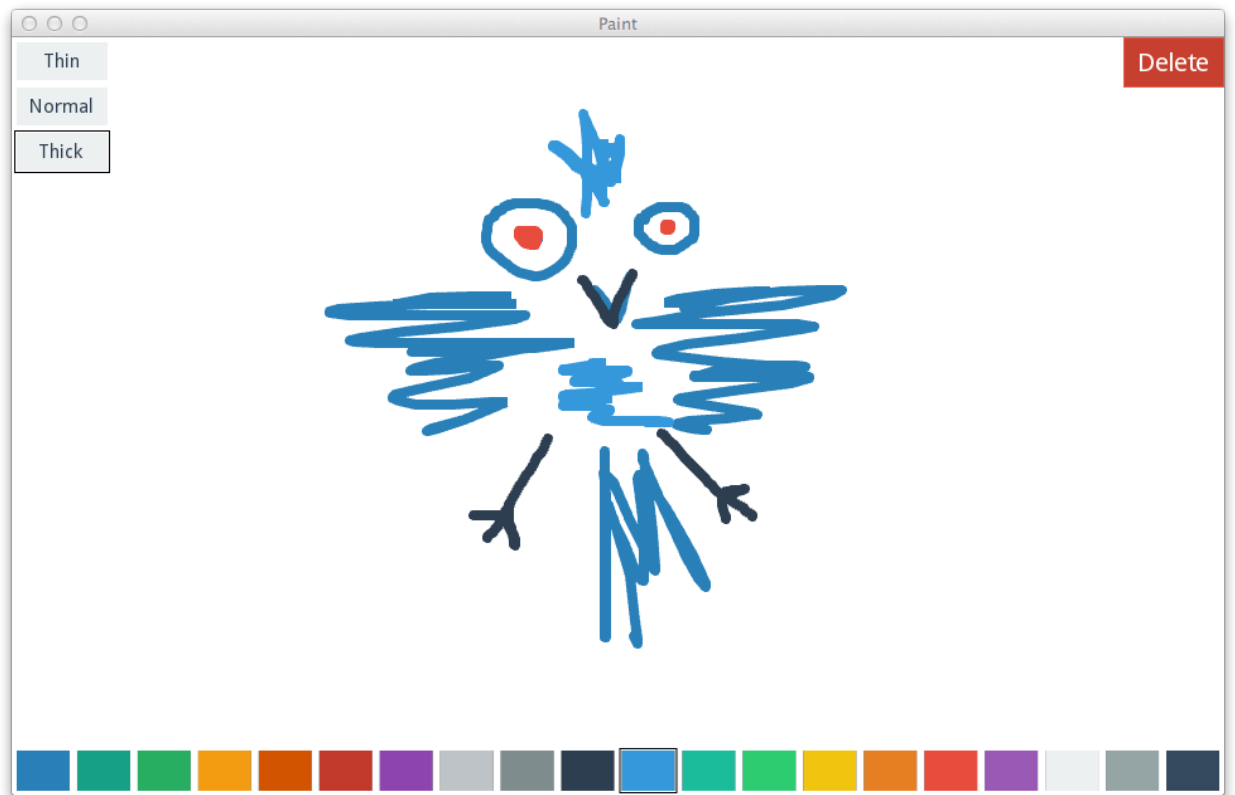
00:02.33

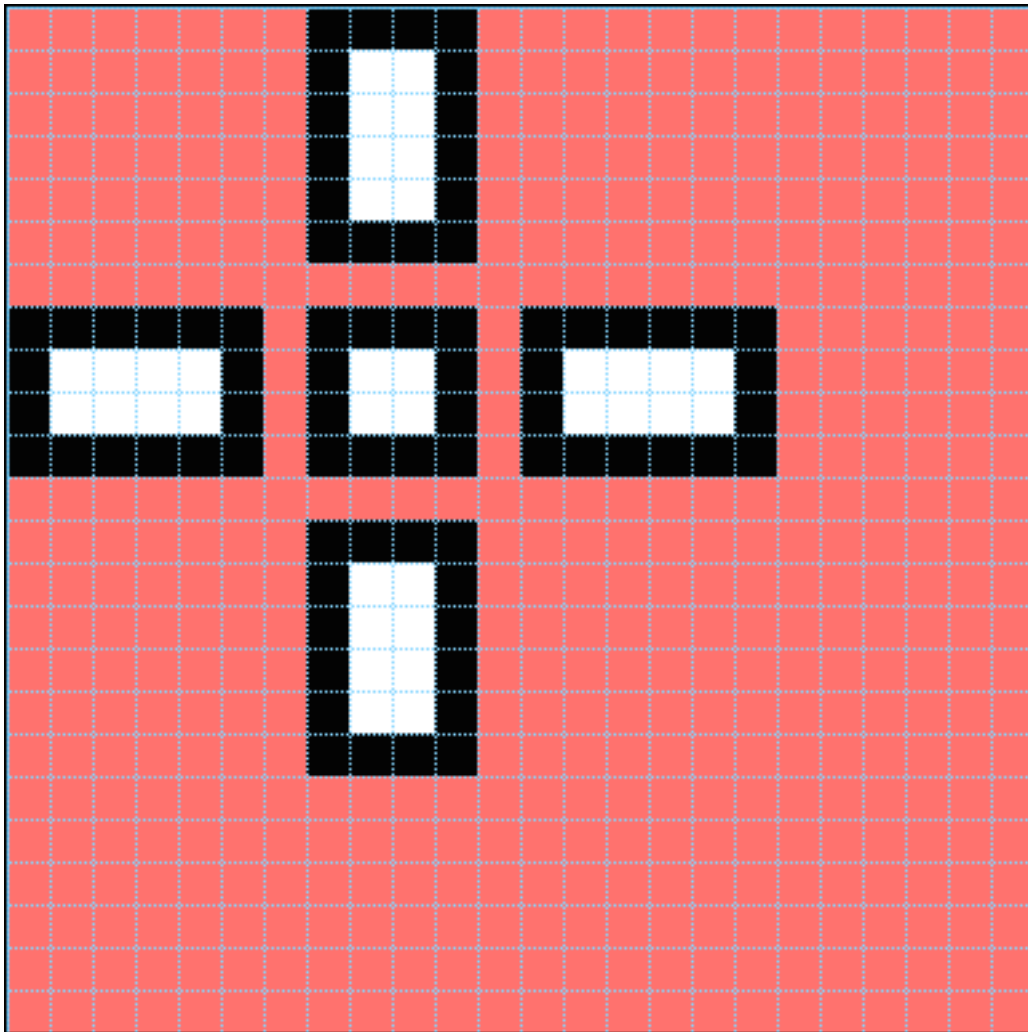




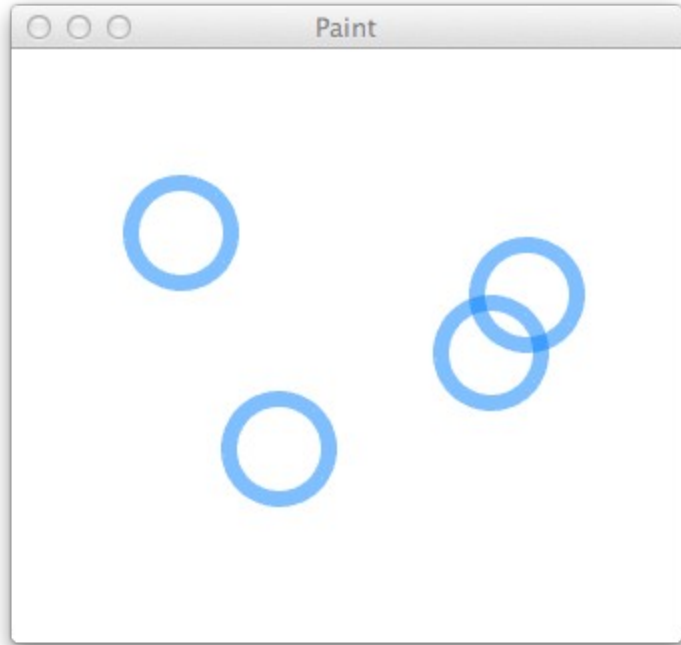


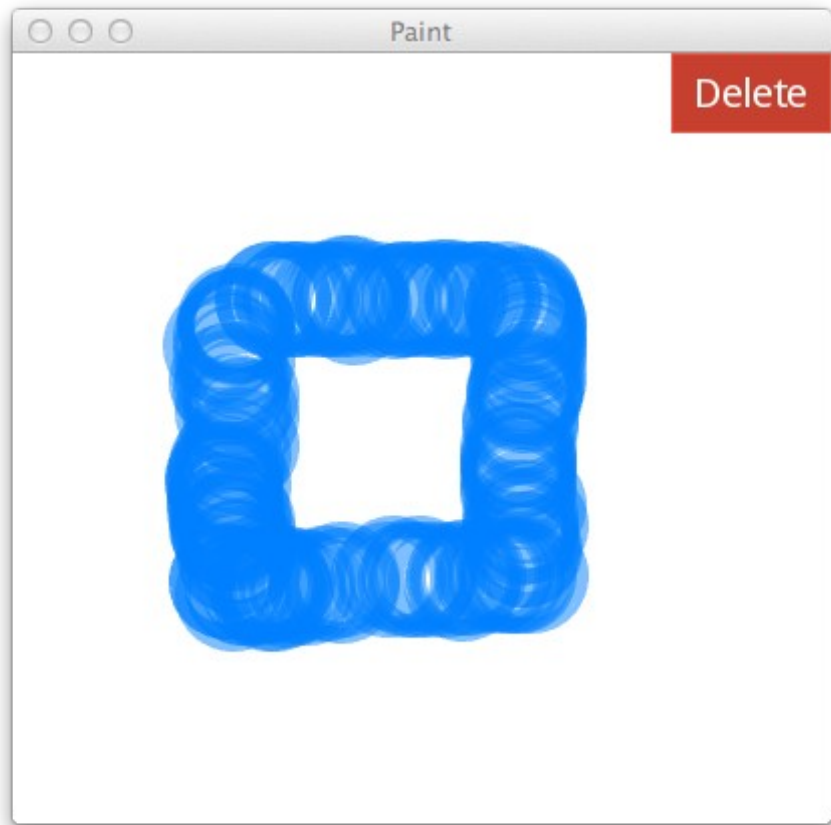
Chapter 2

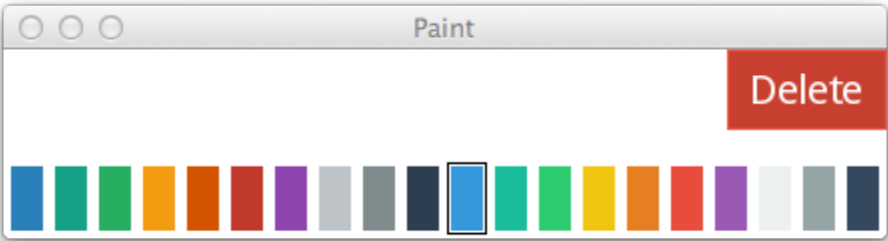
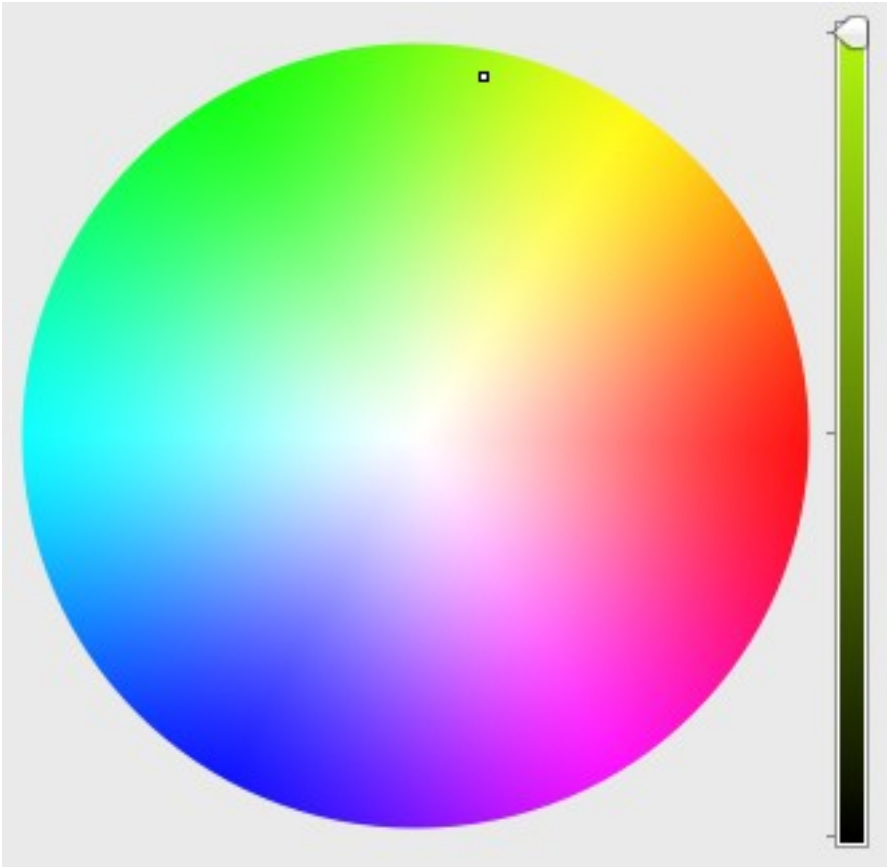


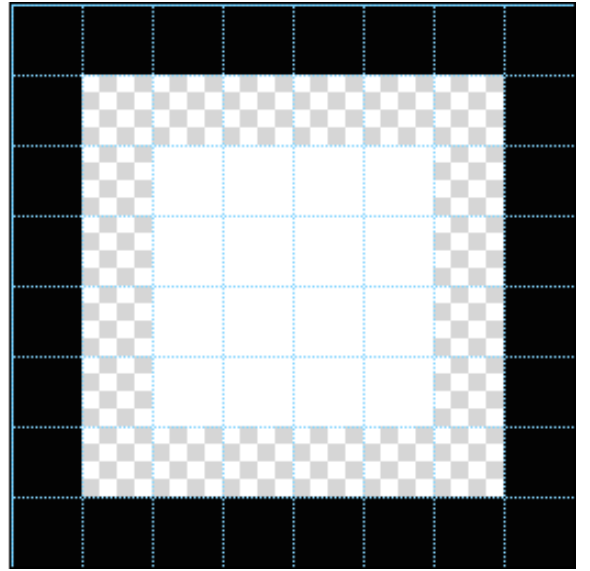
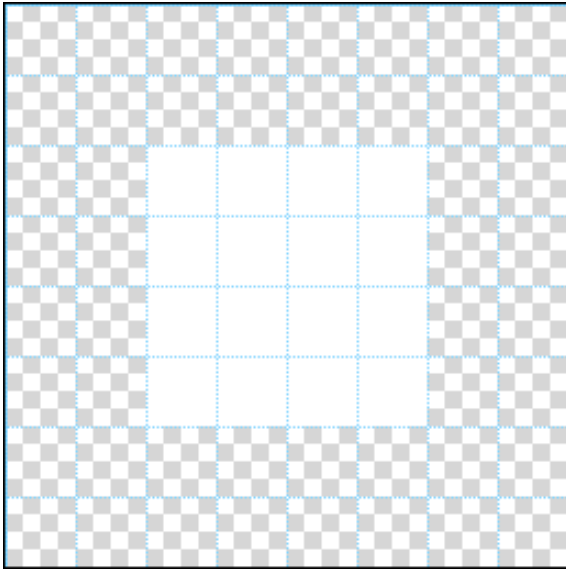
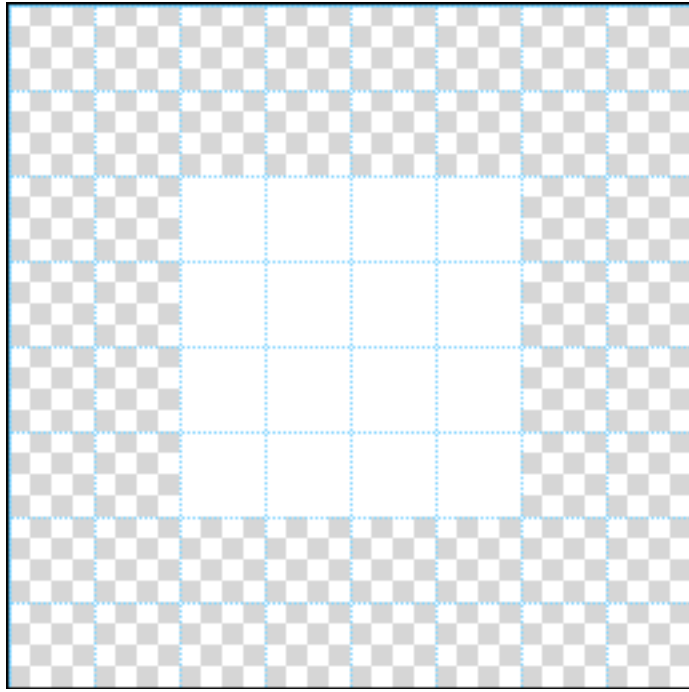


Kivy Uses Pygame to control window lifecycle. Has no concept of mouse cursor.	Pygame Provides a Python API to SDL. Can control mouse cursor.	SDL This is a unified API on top of different operating systems.	OS Provides low-level API to practically everything.
--	---	--	--











Thin

Normal

Thick

CURSOR = (

```
'          0000          ',
'          0--0          ',
'          0--0          ',
'          0--0          ',
'          0--0          ',
'          0000          ',
'
' 0000000 0000 0000000  ',
' 0-----0 0--0 0-----0 ',
' 0-----0 0--0 0-----0 ',
' 0000000 0000 0000000  ',
'
'          0000          ',
'          0--0          ',
'          0--0          ',
'          0--0          ',
'          0--0          ',
'          0000          ',
'
'
'
'
'
'
'
'
'
'
'
'
```

Chapter 3



Google



Kivy Launche



Browser





3:51

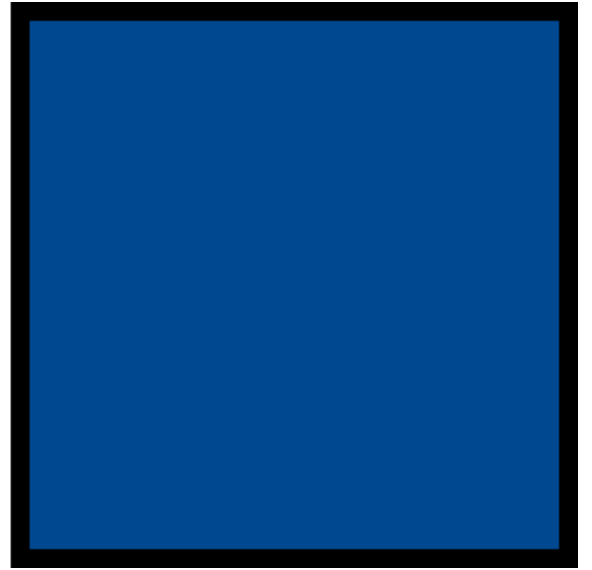
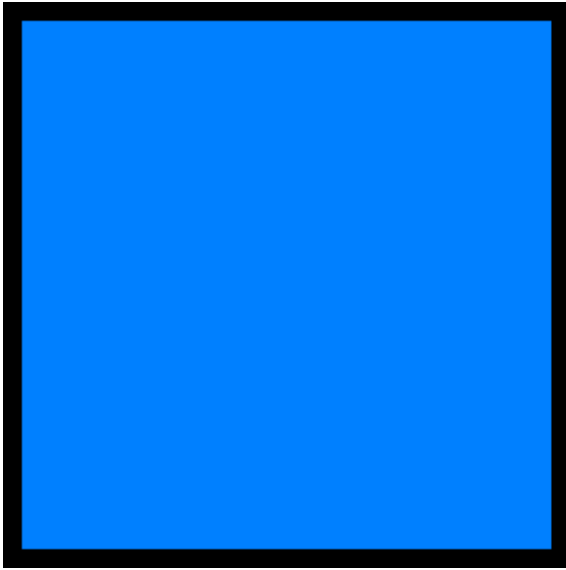


Fake GSM Network



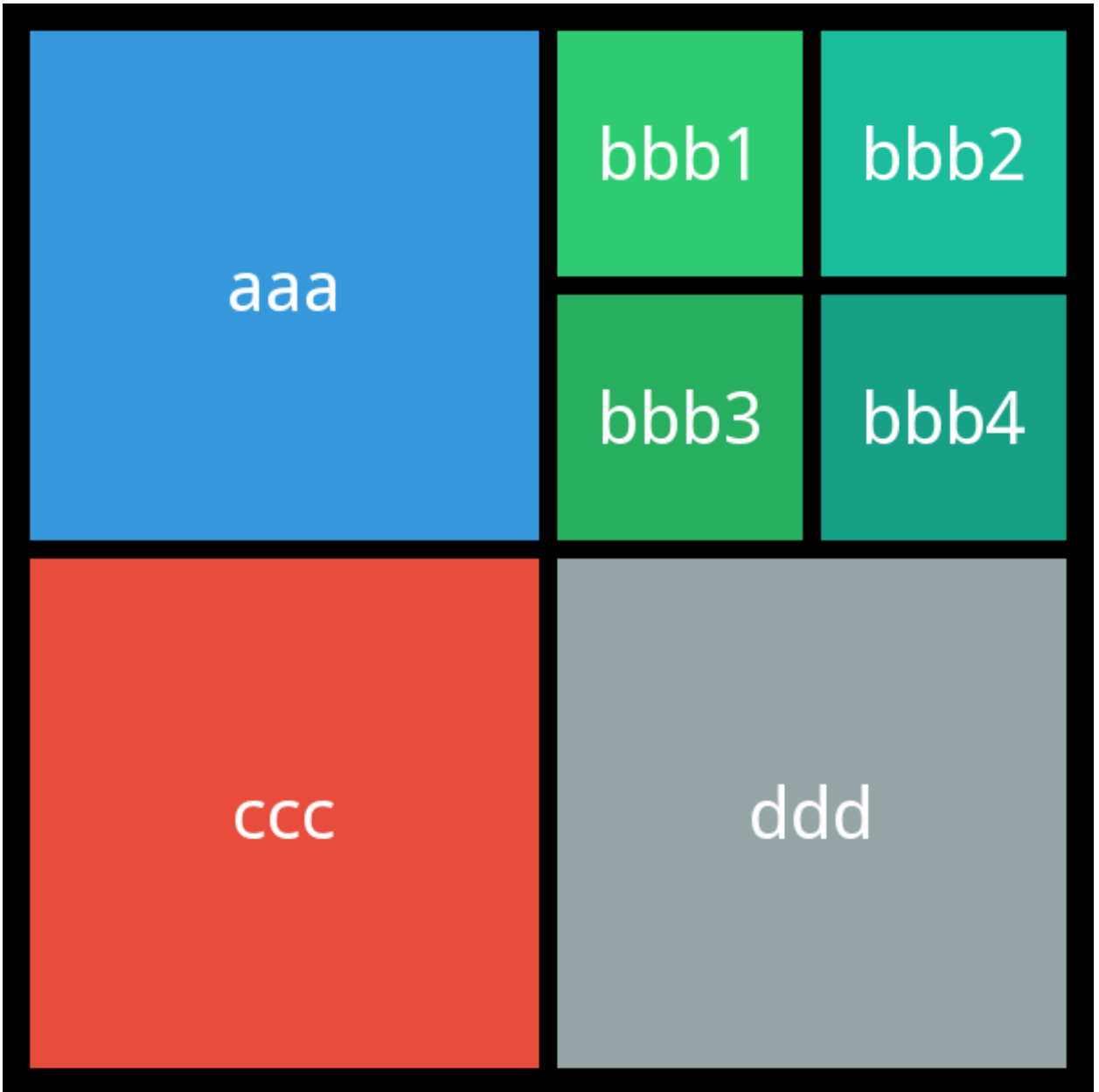
Sat 22







row height = 0.5 × (screen width – all padding and spacing)








New recording



Playback



Delete

- ▼  PHONE CARD
 - ▼  Kivy
 - ▶  Clock
 - ▶  Paint
 - ▶  Recorder

Kivy Launcher

Please choose a project:



Clock app
Mark Vasilkov



Paint app
Mark Vasilkov



Sound recorder
Mark Vasilkov



Begin recording



End recording



End recording



Chapter 4

```
transports = set()

class Chat(protocol.Protocol):
    def dataReceived(self, data):
        transports.add(self.transport)

        if ':' not in data:
            return

        user, msg = data.split(':')

        for t in transports:
            if t is not self.transport:
                t.write('{} says: {}'.format(user, msg))

class ChatFactory(protocol.Factory):
    def buildProtocol(self, addr):
        return Chat()

reactor.listenTCP(9096, ChatFactory())
reactor.run()
(Chat) █
```



Programs and Features

[Uninstall a program](#)

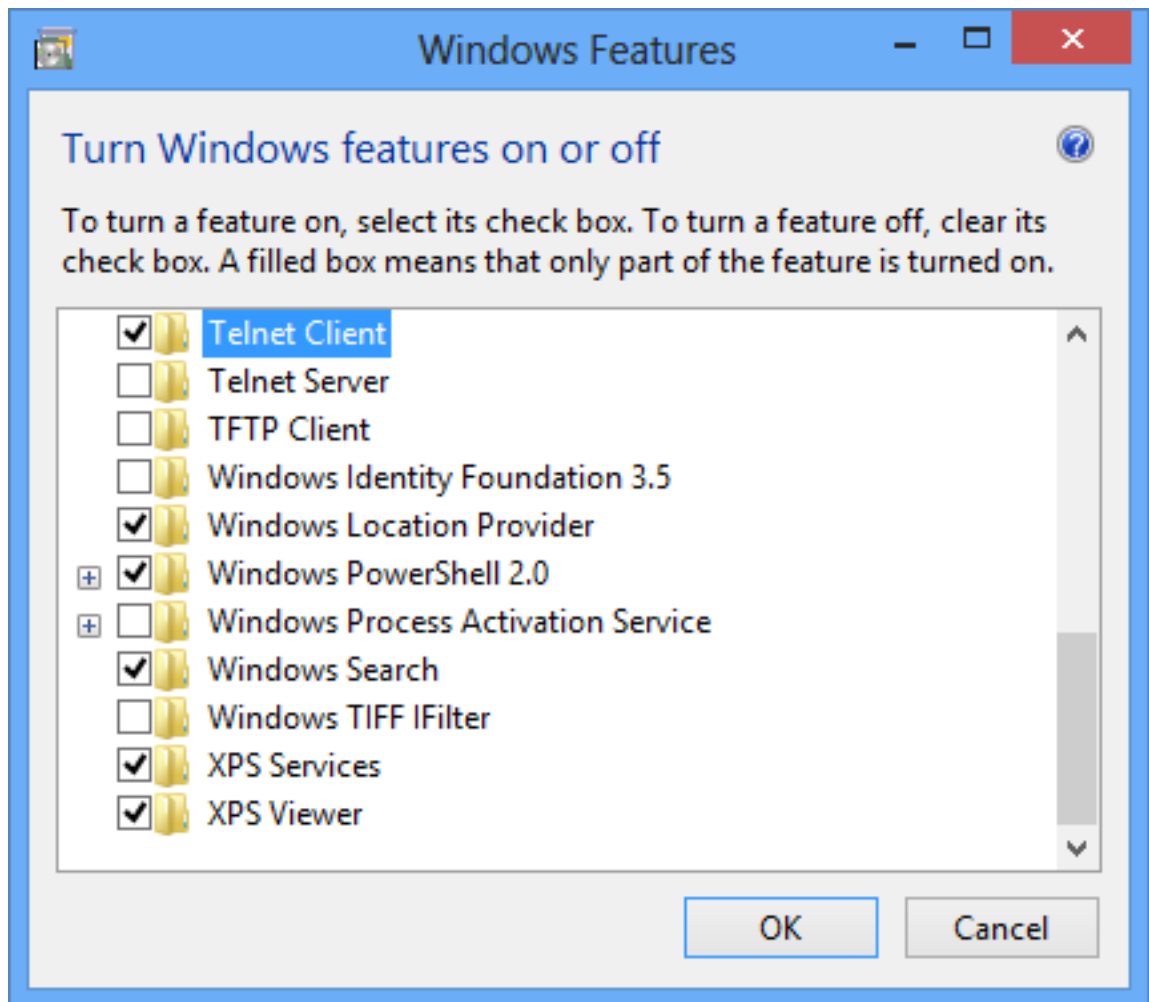


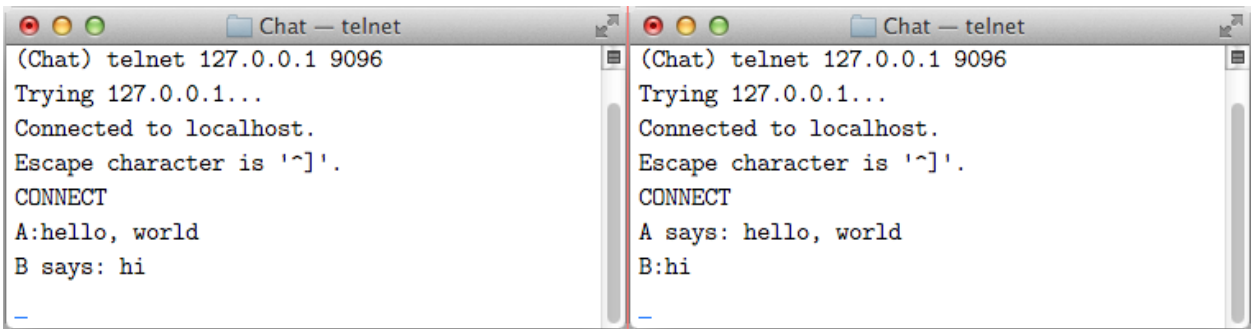
[Turn Windows features on or off](#)

[View installed updates](#)

[Run programs made for previous versions of Windows](#)

[How to install a program](#)





Server:	<input type="text" value="127.0.0.1"/>
Nickname:	<input type="text" value="Neo"/>
<input type="button" value="Connect"/>	

Disconnect from 127.0.0.1

User1: Hello, world
User2: OH HAI ^_^
User1: Blabbity blah blah
User2: >_<

Enter message text here

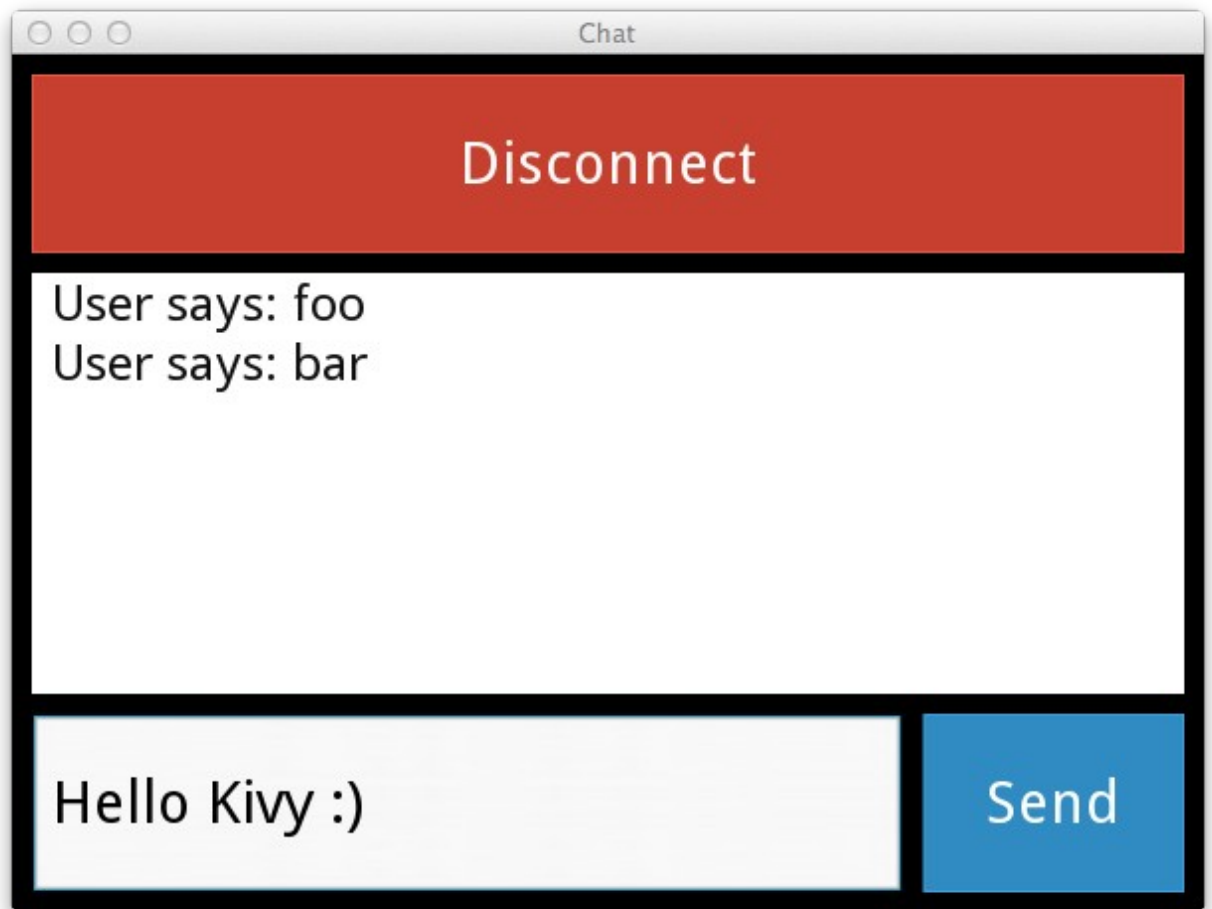
Send

Chat

Server: 127.0.0.1

Nickname: Kivy

Connect



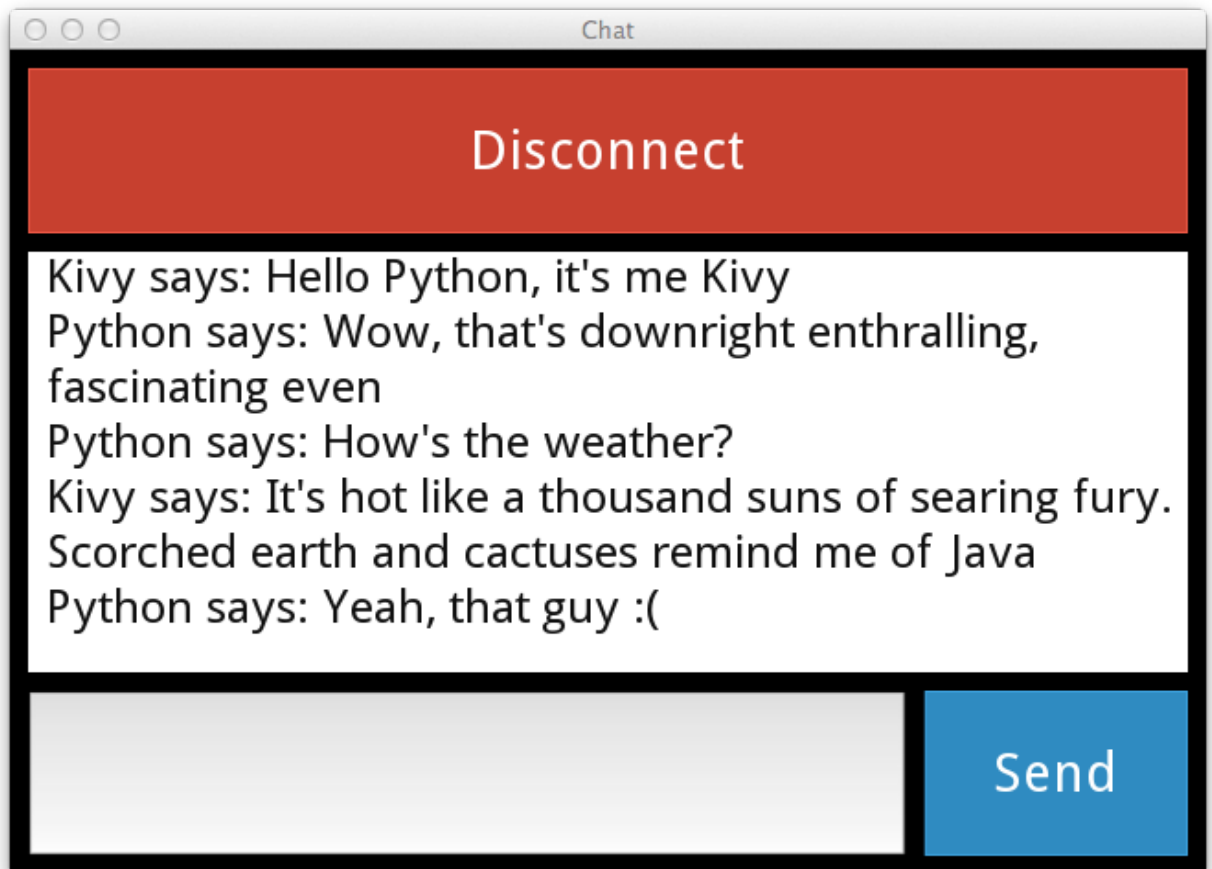
Chat

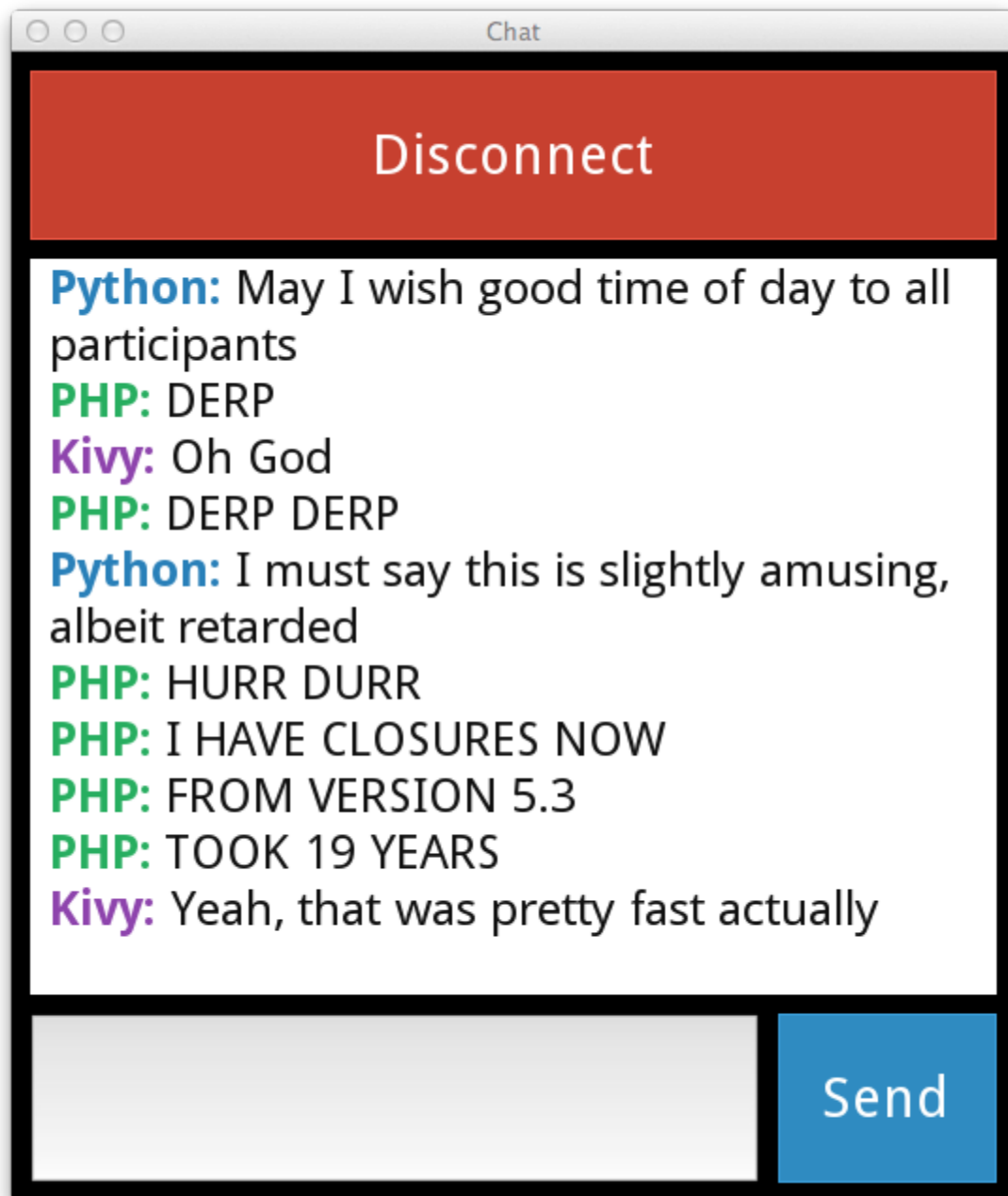
Disconnect

User says: foo
User says: bar

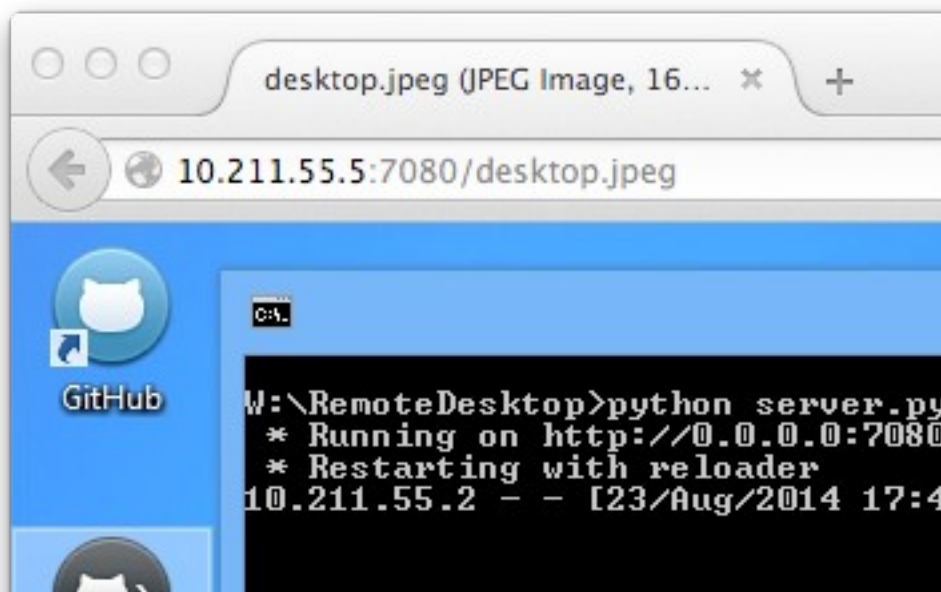
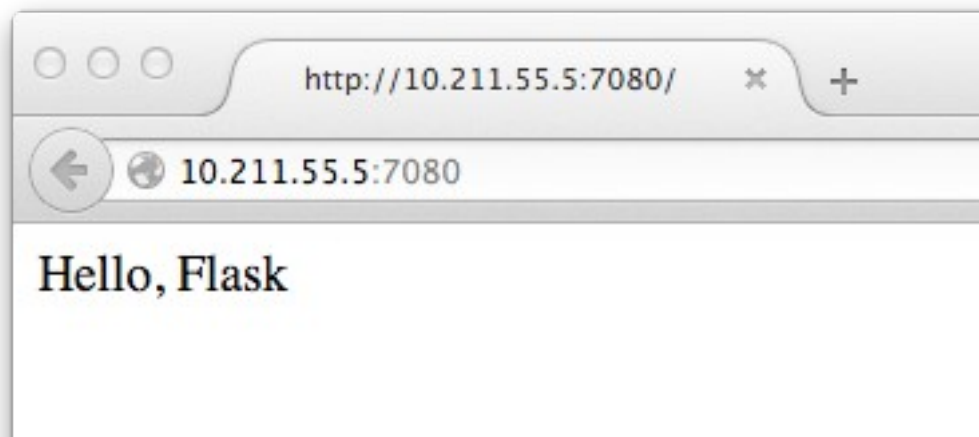
Hello Kivy :)

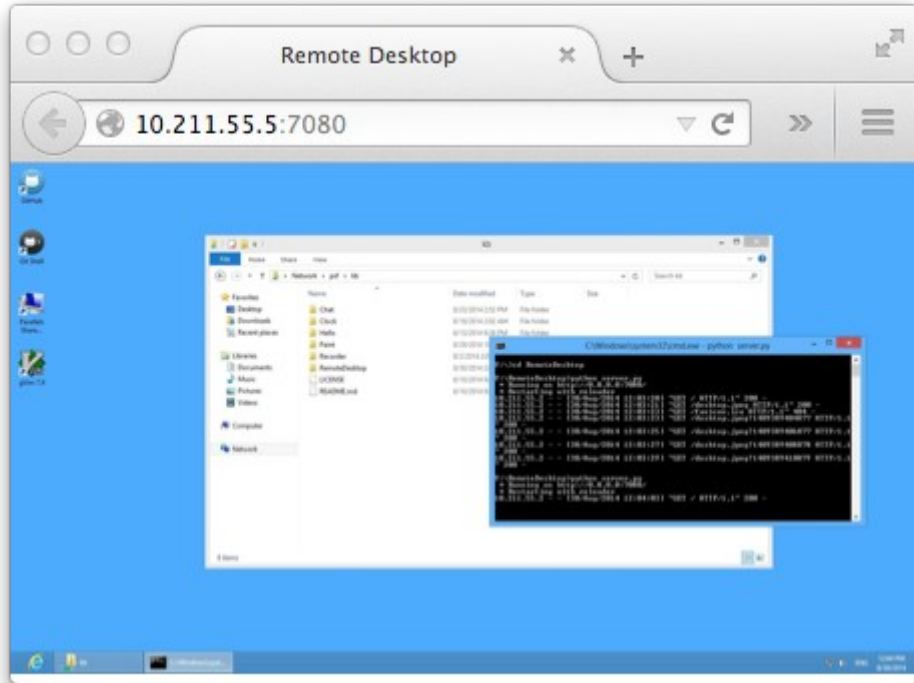
Send



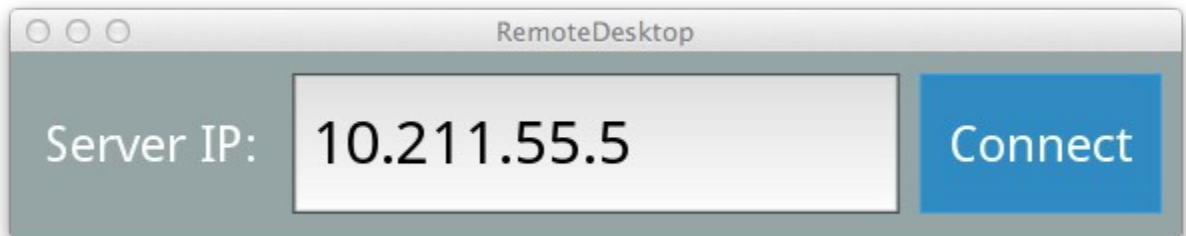


Chapter 5





$$x, y_{server} = \frac{width_{natural}}{width_{scaled}} \times x, y_{client}$$



RemoteDesktop

ca: C:\Windows\system32\cmd.exe - python server.py

```
10.211.55.2 - - [30/Aug/2014 15:46:47] "GET /desktop.jpeg HTTP/1.1" 200 -
10.211.55.2 - - [30/Aug/2014 15:46:48] "GET /desktop.jpeg HTTP/1.1" 200 -
10.211.55.2 - - [30/Aug/2014 15:46:49] "GET /desktop.jpeg HTTP/1.1" 200 -
10.211.55.2 - - [30/Aug/2014 15:46:51] "GET /desktop.jpeg HTTP/1.1" 200 -
10.211.55.2 - - [30/Aug/2014 15:46:52] "GET /desktop.jpeg HTTP/1.1" 200 -
10.211.55.2 - - [30/Aug/2014 15:46:53] "GET /desktop.jpeg HTTP/1.1" 200 -
10.211.55.2 - - [30/Aug/2014 15:46:54] "GET /desktop.jpeg HTTP/1.1" 200 -
10.211.55.2 - - [30/Aug/2014 15:46:55] "GET /desktop.jpeg HTTP/1.1" 200 -
10.211.55.2 - - [30/Aug/2014 15:46:57] "GET /desktop.jpeg HTTP/1.1" 200 -
10.211.55.2 - - [30/Aug/2014 15:46:58] "GET /desktop.jpeg HTTP/1.1" 200 -
10.211.55.2 - - [30/Aug/2014 15:46:59] "GET /desktop.jpeg HTTP/1.1" 200 -
10.211.55.2 - - [30/Aug/2014 15:47:00] "GET /desktop.jpeg HTTP/1.1" 200 -
10.211.55.2 - - [30/Aug/2014 15:47:01] "GET /desktop.jpeg HTTP/1.1" 200 -
10.211.55.2 - - [30/Aug/2014 15:47:03] "GET /desktop.jpeg HTTP/1.1" 200 -
10.211.55.2 - - [30/Aug/2014 15:47:04] "GET /desktop.jpeg HTTP/1.1" 200 -
10.211.55.2 - - [30/Aug/2014 15:47:05] "GET /desktop.jpeg HTTP/1.1" 200 -
10.211.55.2 - - [30/Aug/2014 15:47:06] "GET /desktop.jpeg HTTP/1.1" 200 -
10.211.55.2 - - [30/Aug/2014 15:47:07] "GET /desktop.jpeg HTTP/1.1" 200 -
10.211.55.2 - - [30/Aug/2014 15:47:09] "GET /desktop.jpeg HTTP/1.1" 200 -
10.211.55.2 - - [30/Aug/2014 15:47:10] "GET /desktop.jpeg HTTP/1.1" 200 -
10.211.55.2 - - [30/Aug/2014 15:47:11] "GET /desktop.jpeg HTTP/1.1" 200 -
10.211.55.2 - - [30/Aug/2014 15:47:12] "GET /desktop.jpeg HTTP/1.1" 200 -
10.211.55.2 - - [30/Aug/2014 15:47:13] "GET /desktop.jpeg HTTP/1.1" 200 -
10.211.55.2 - - [30/Aug/2014 15:47:15] "GET /desktop.jpeg HTTP/1.1" 200 -
```

kb

Date modified	Type
8/23/2014 2:52 PM	File folder
8/16/2014 2:02 AM	File folder
6/13/2014 9:36 PM	File folder
8/29/2014 10:46 PM	File folder
8/2/2014 2:07 PM	File folder
8/30/2014 3:45 PM	File folder
6/10/2014 9:25 PM	File
6/10/2014 9:22 PM	MD File

Music LICENSE
Pictures README.md
Videos

Computer

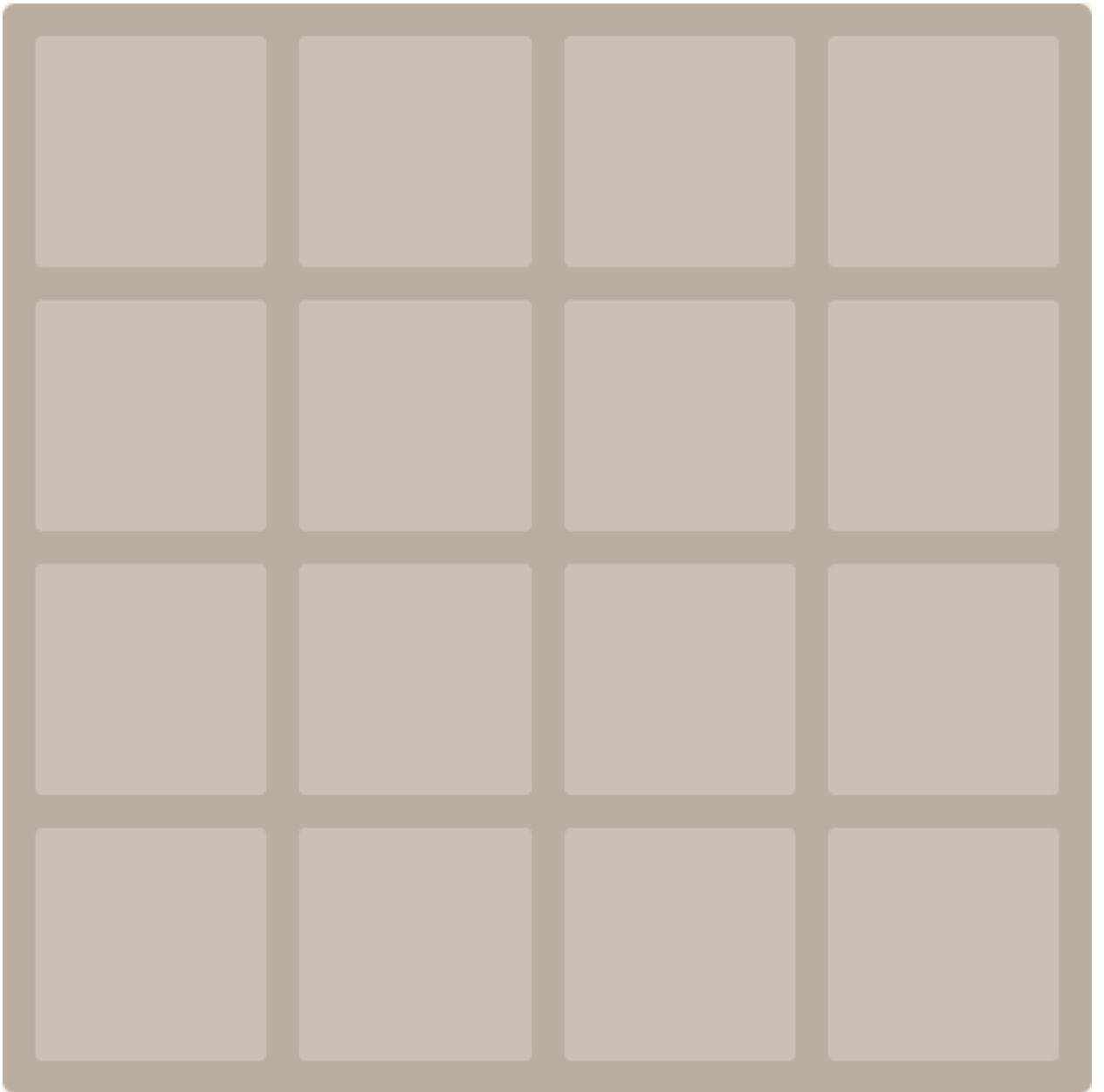
Network

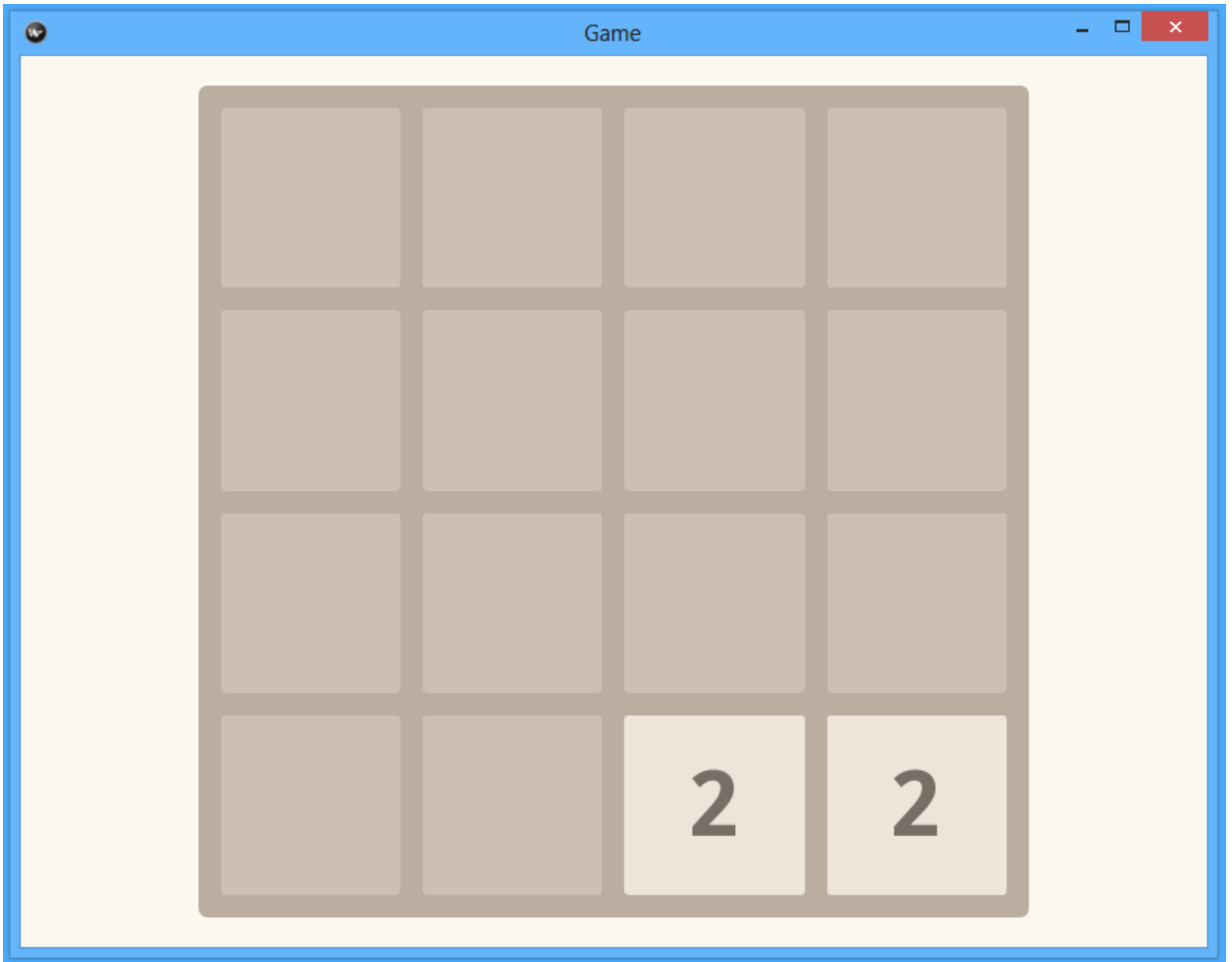
GitHub
Git Shell
Parallels Share...
gVim 7.4

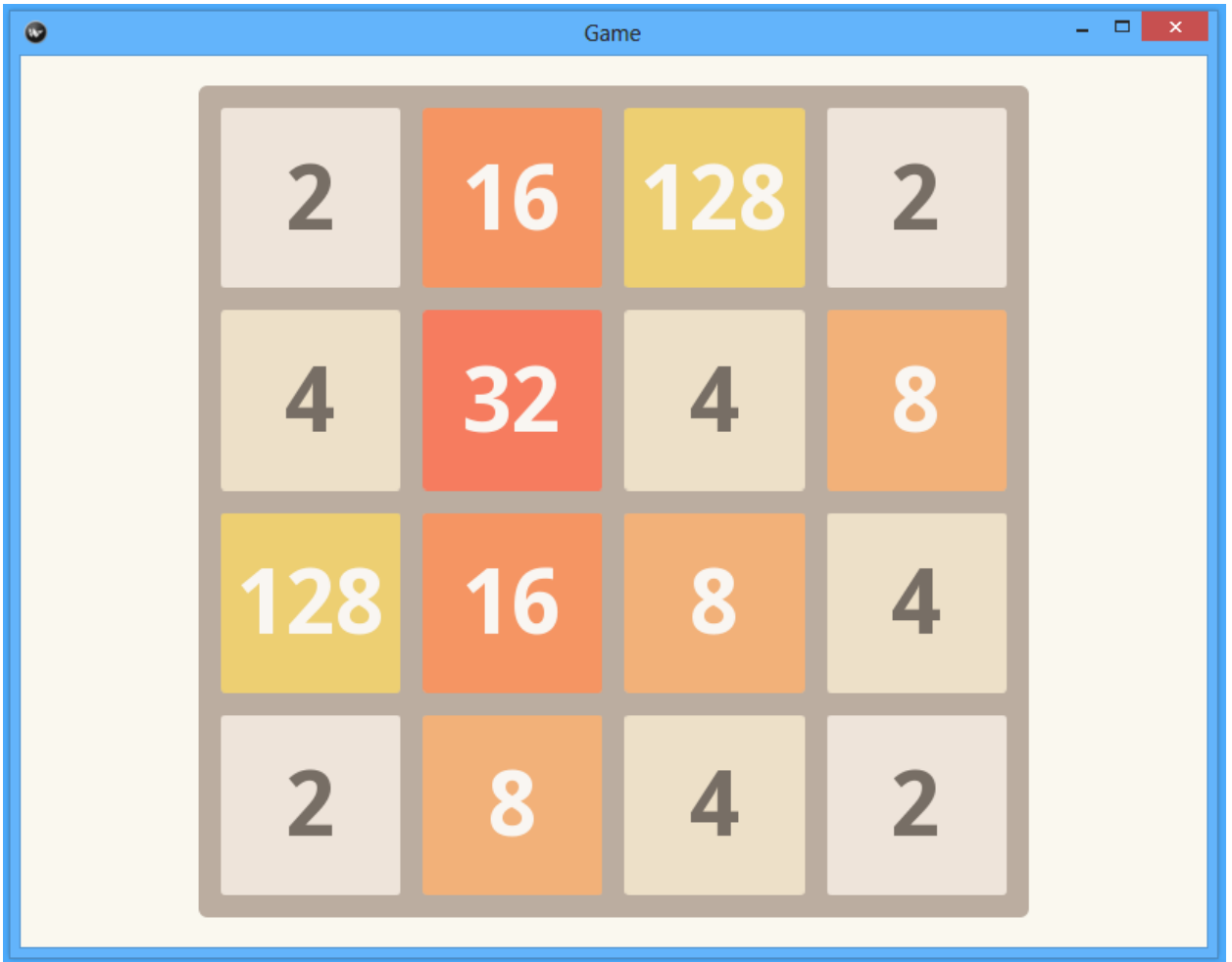
Chapter 6

		4	
2			
8			2

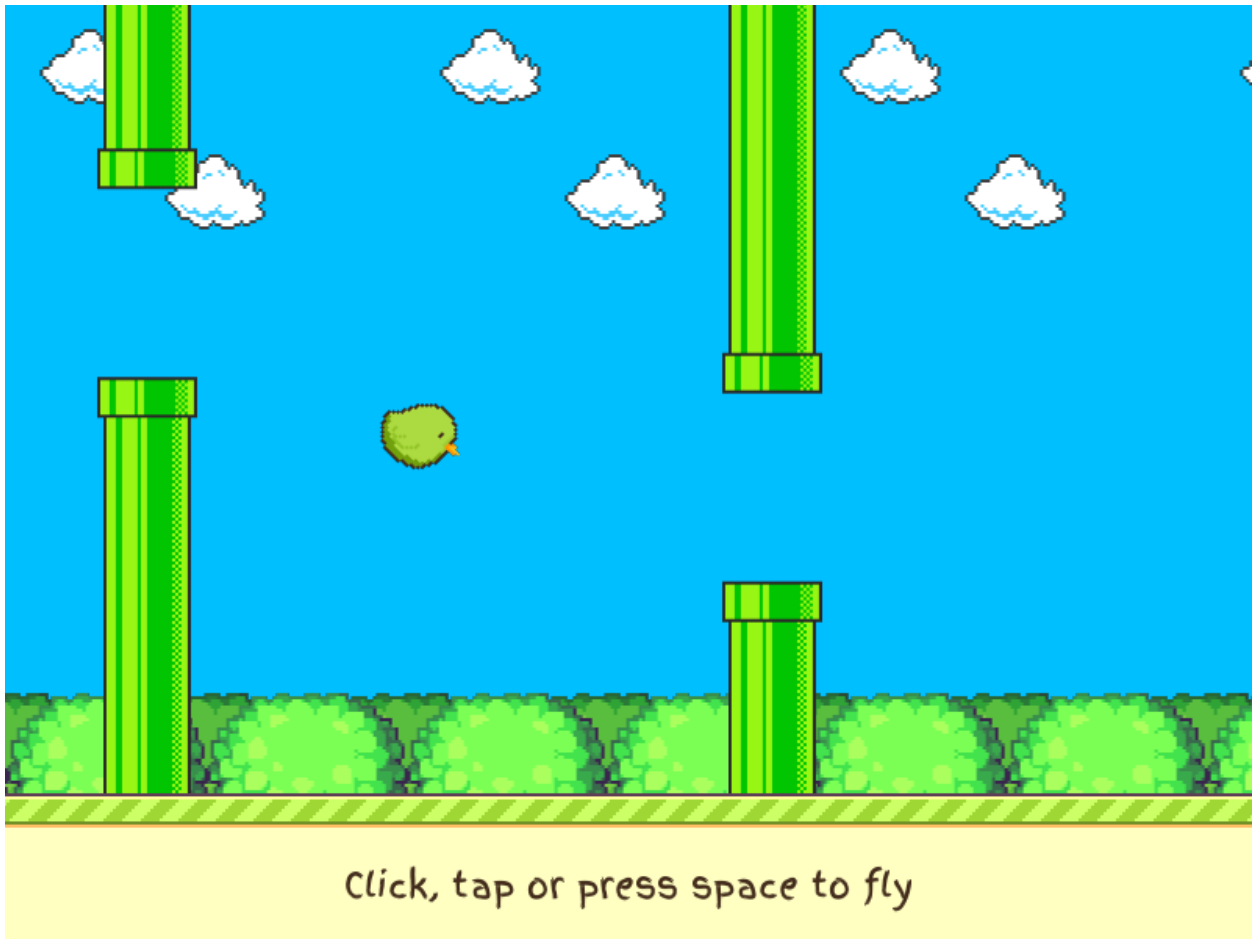
$$\text{cell size} = \frac{\text{board size} - (\text{num. cells} + 1) \times \text{spacing}}{\text{number of cells}}$$

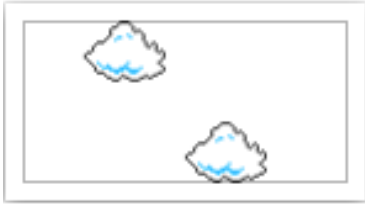




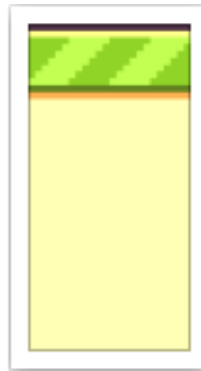


Chapter 7





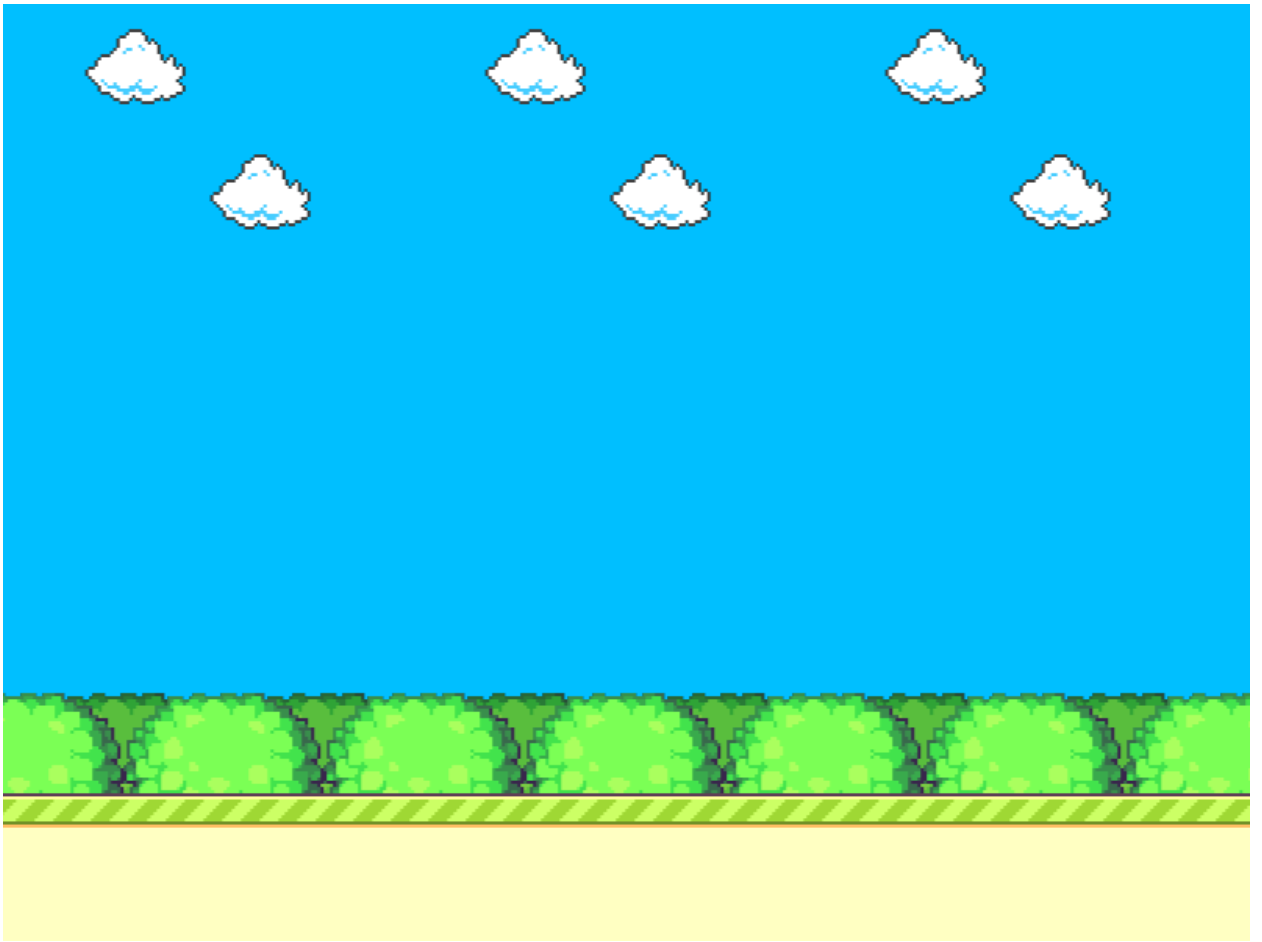
cloud.png
256 × 128

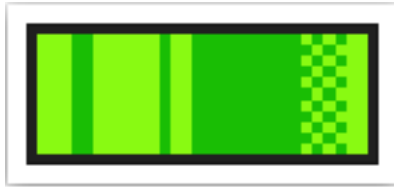


floor.png
48 × 96



grass.png
128 × 64





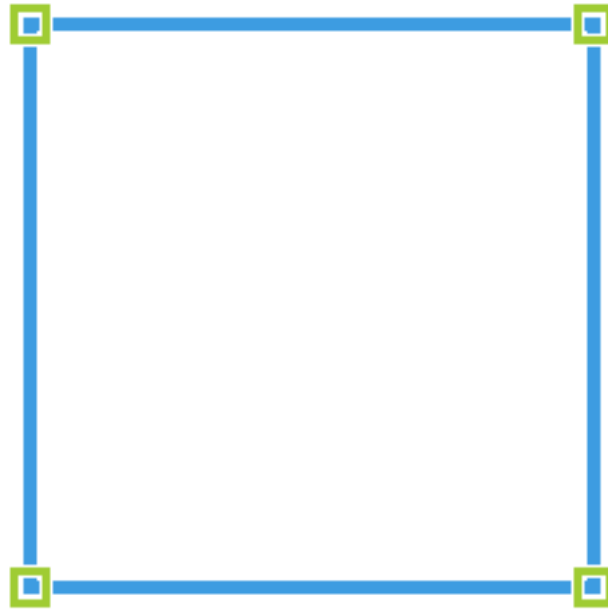
pcap.png
64 × 26



pipe.png
56 × 16

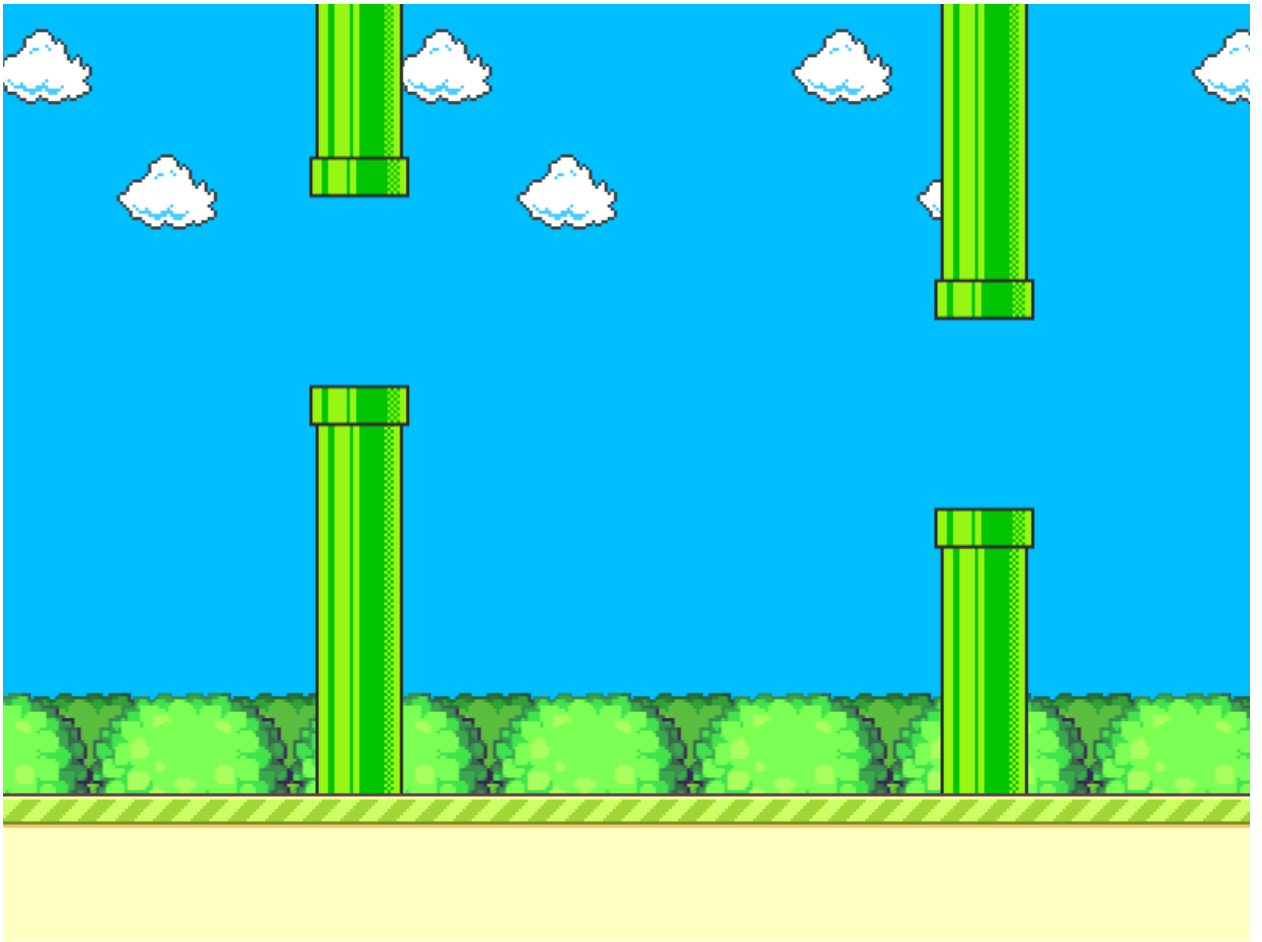
`u=tex_coords[6]`
`v=tex_coords[7]`

`u=tex_coords[4]`
`v=tex_coords[5]`

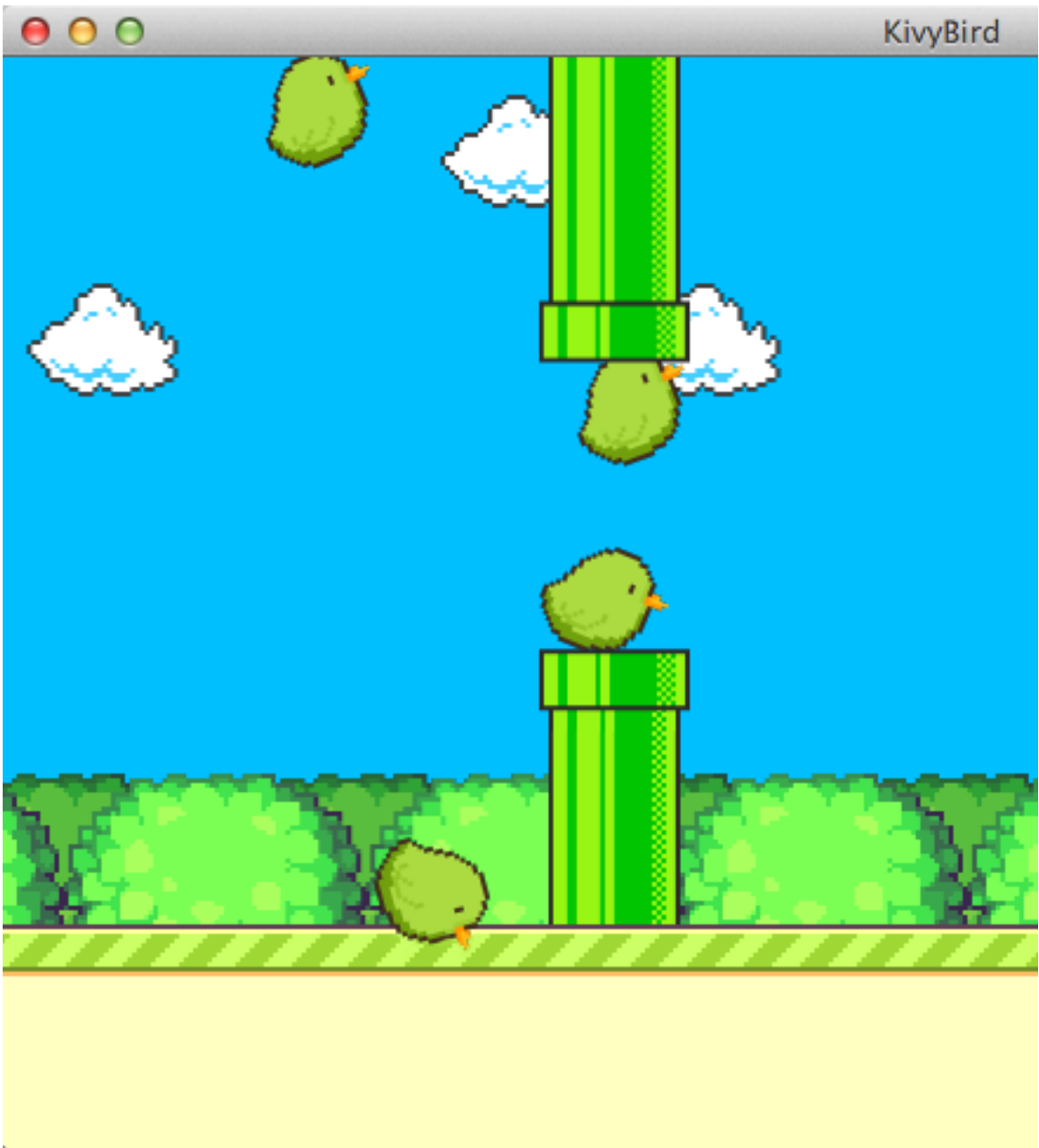


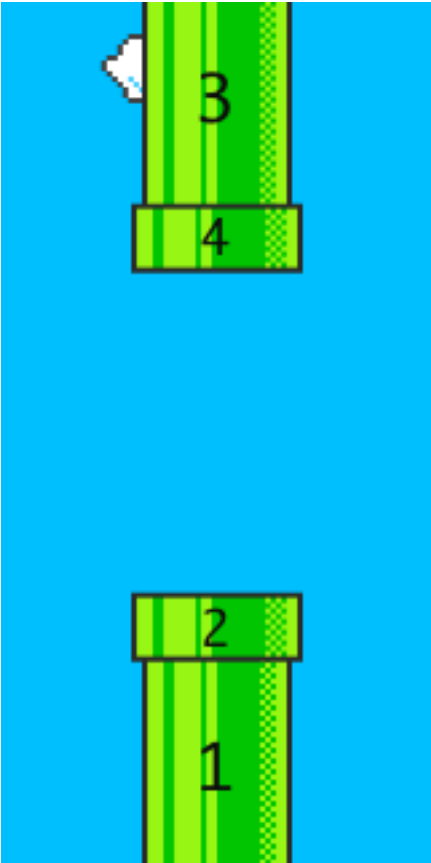
`u=tex_coords[0]`
`v=tex_coords[1]`

`u=tex_coords[2]`
`v=tex_coords[3]`



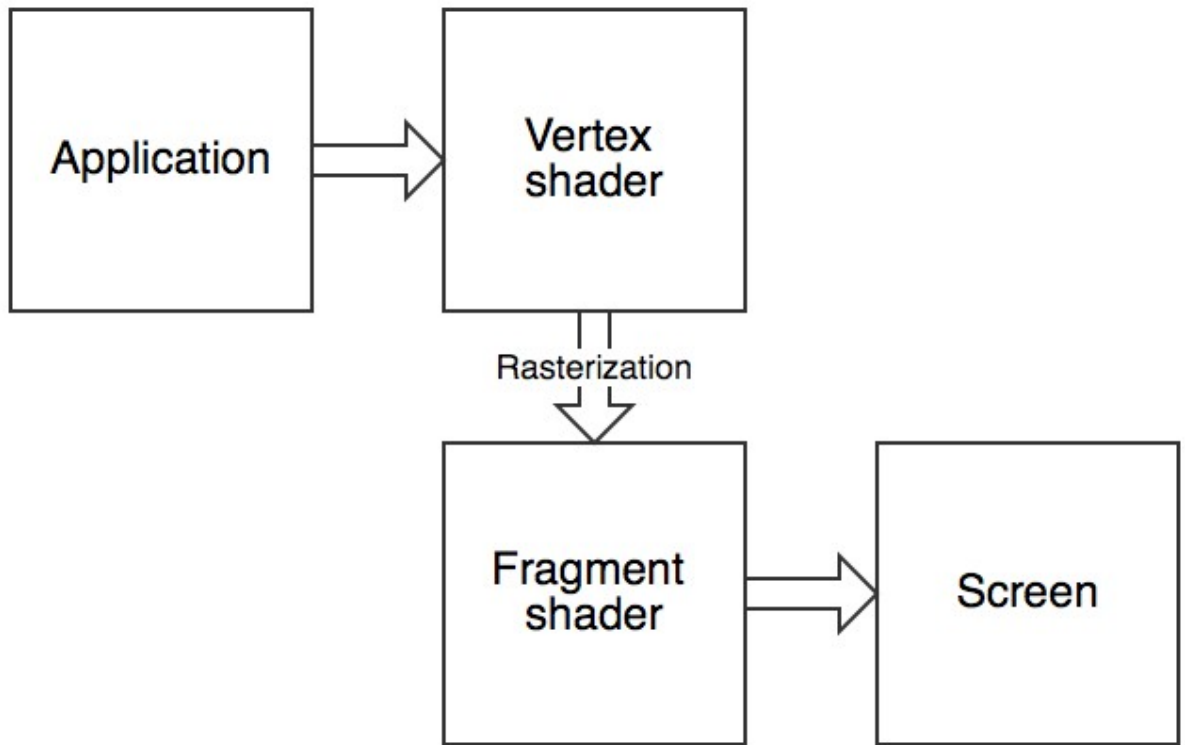


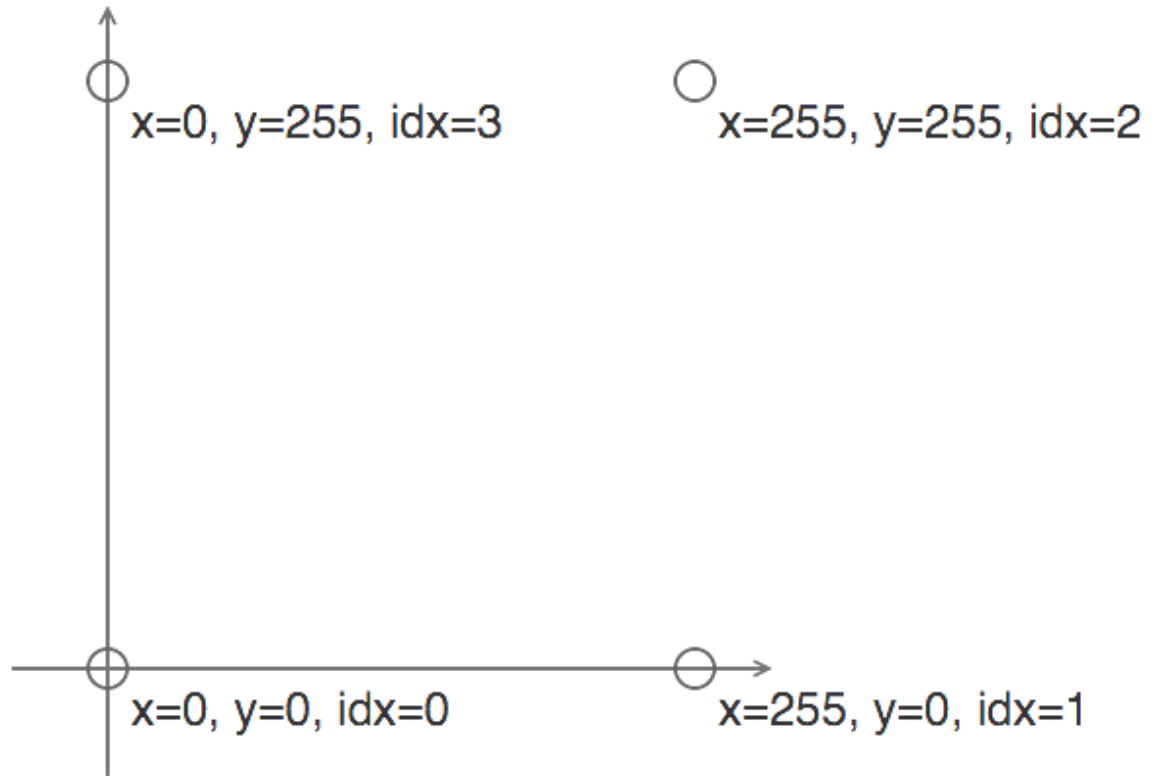


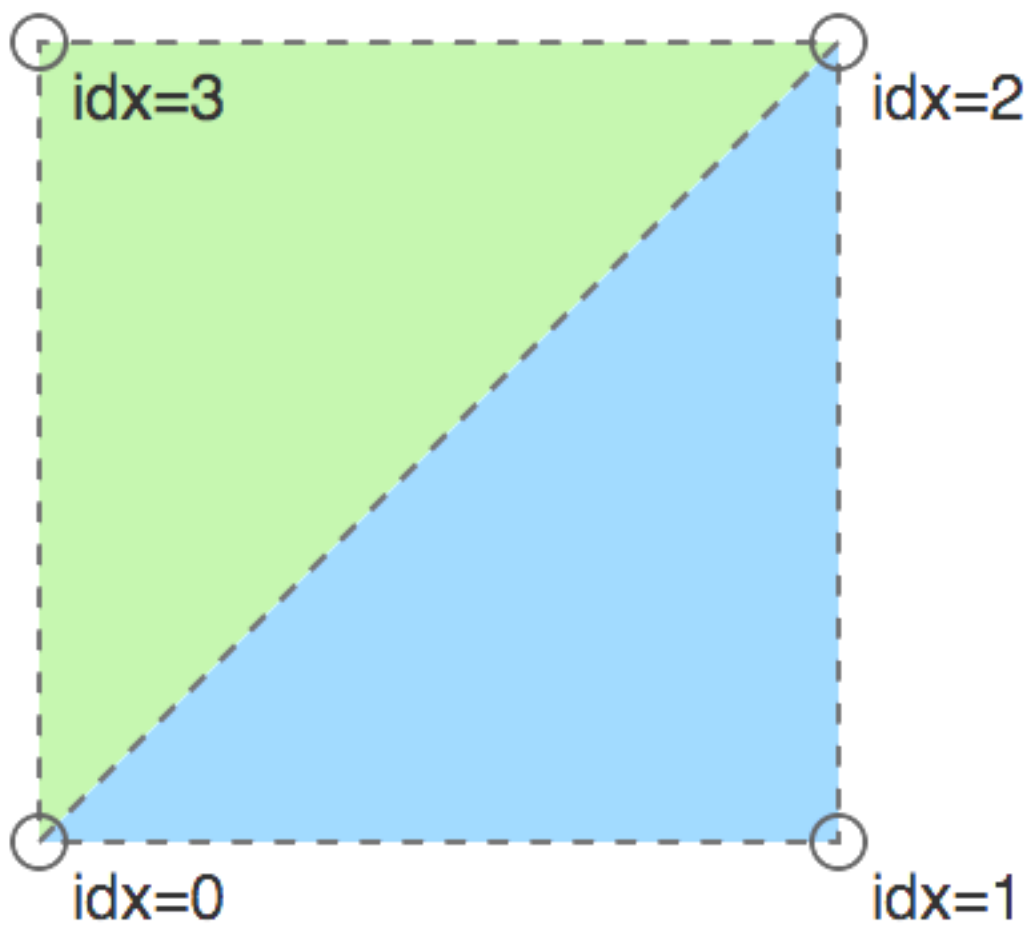


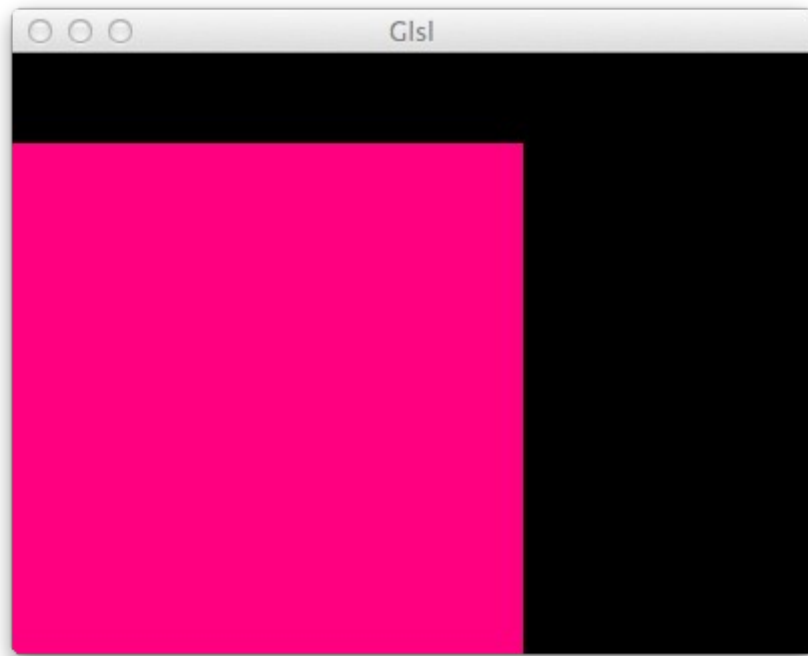


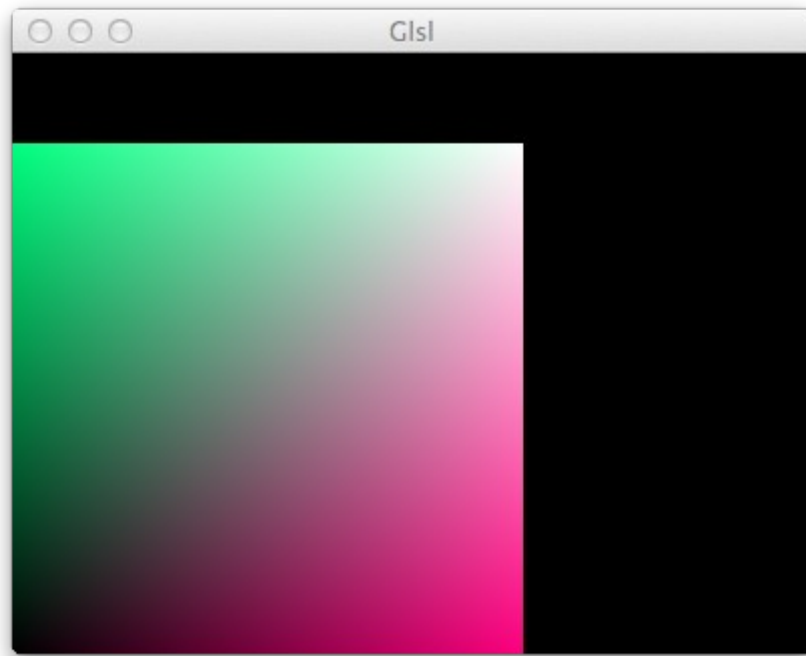
Chapter 8

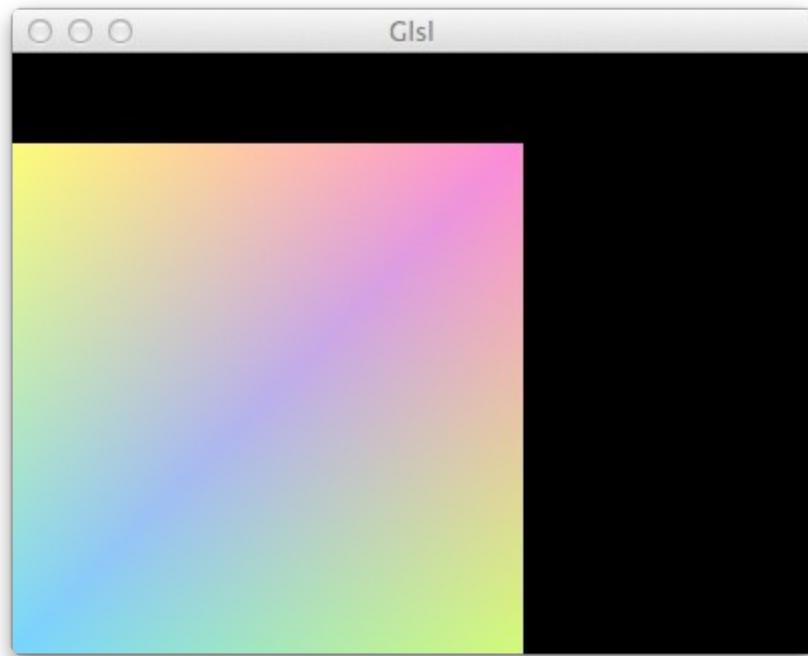


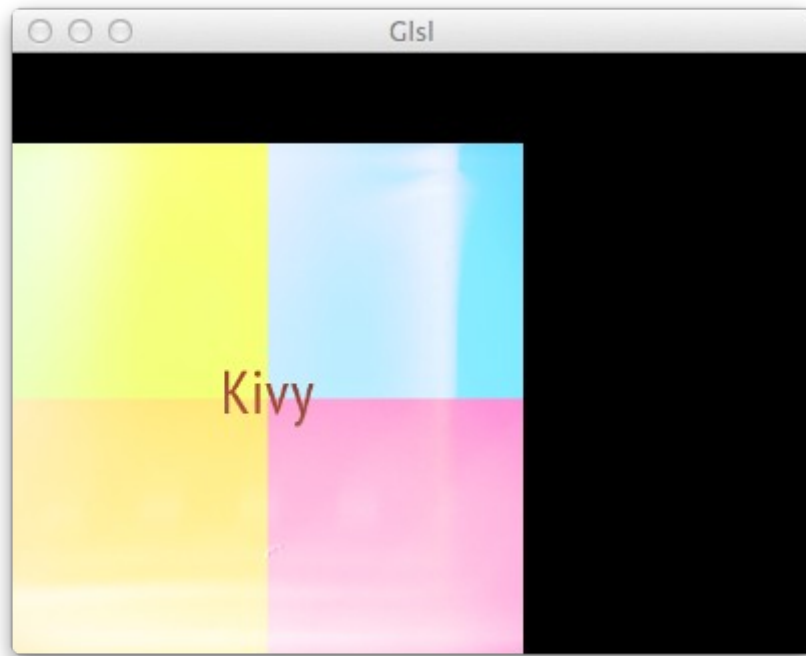




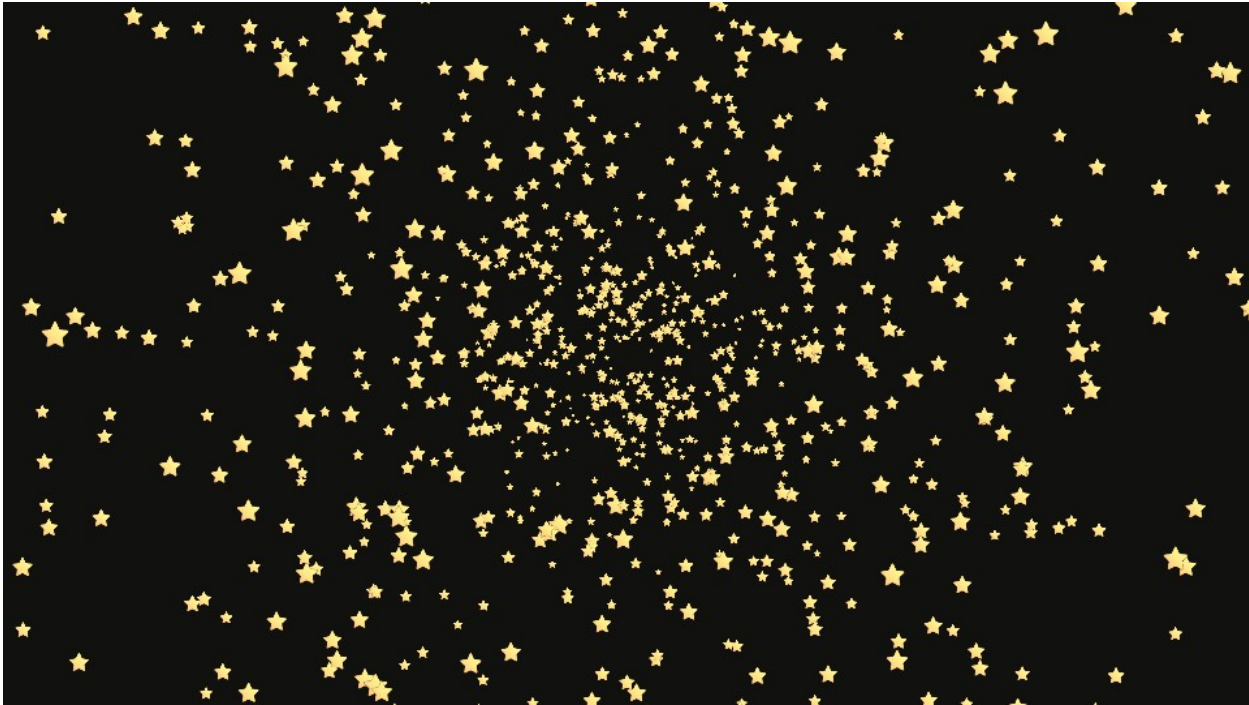






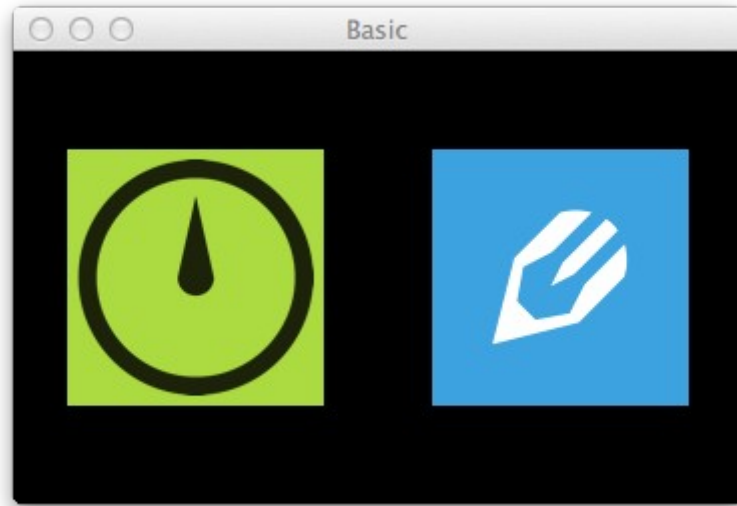


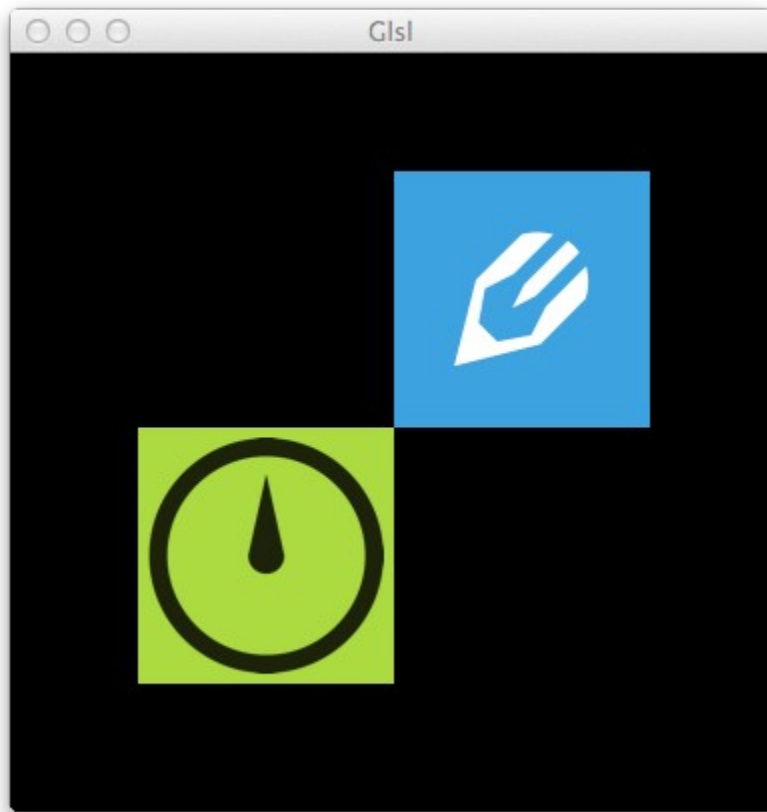


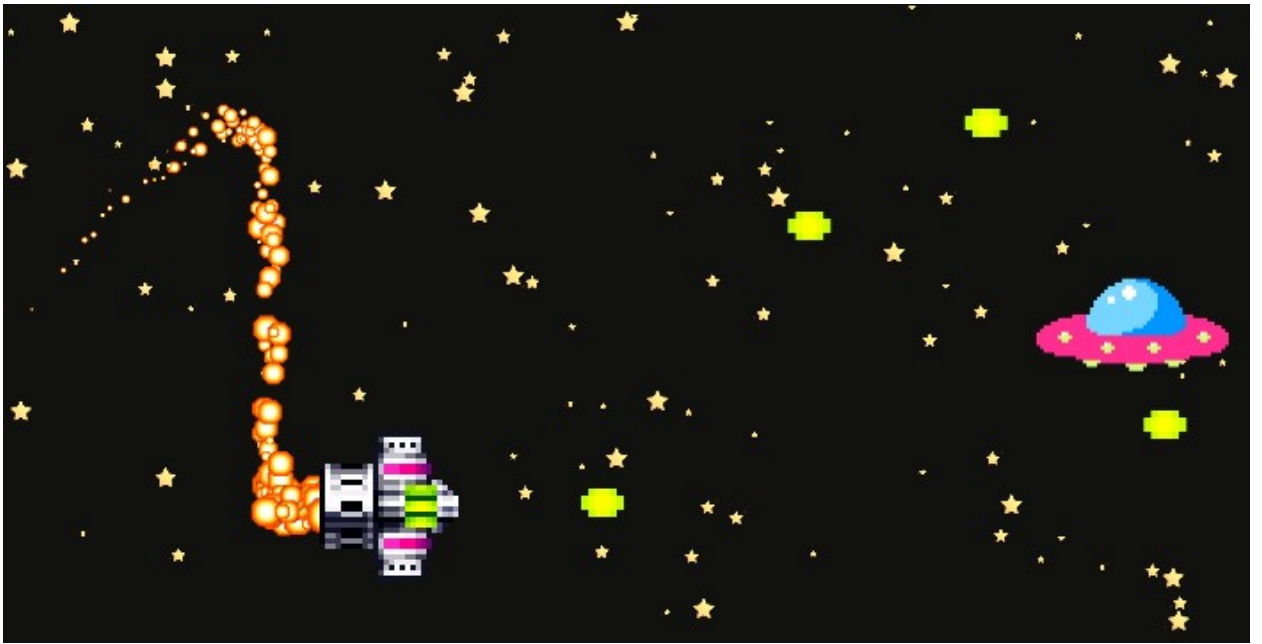


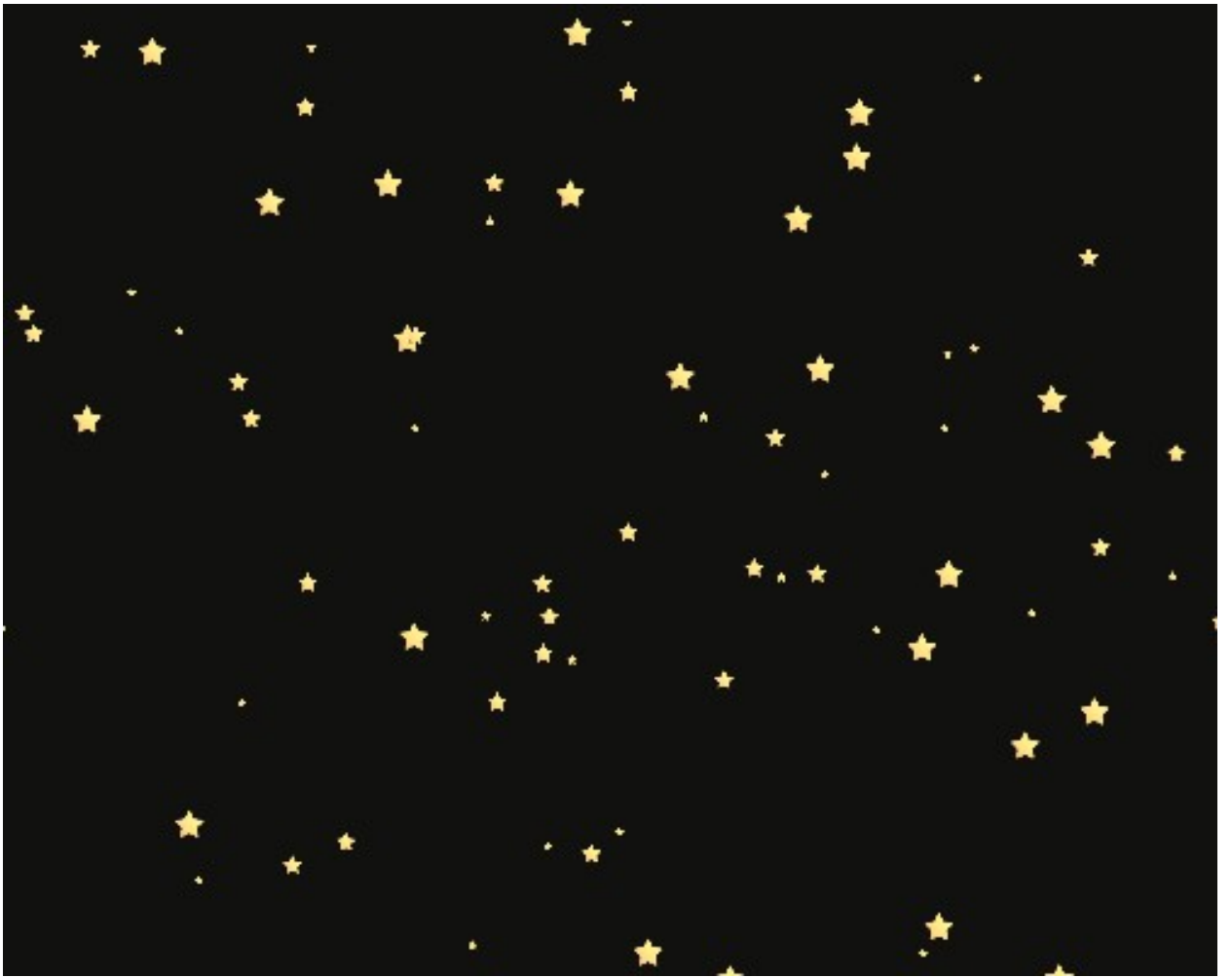


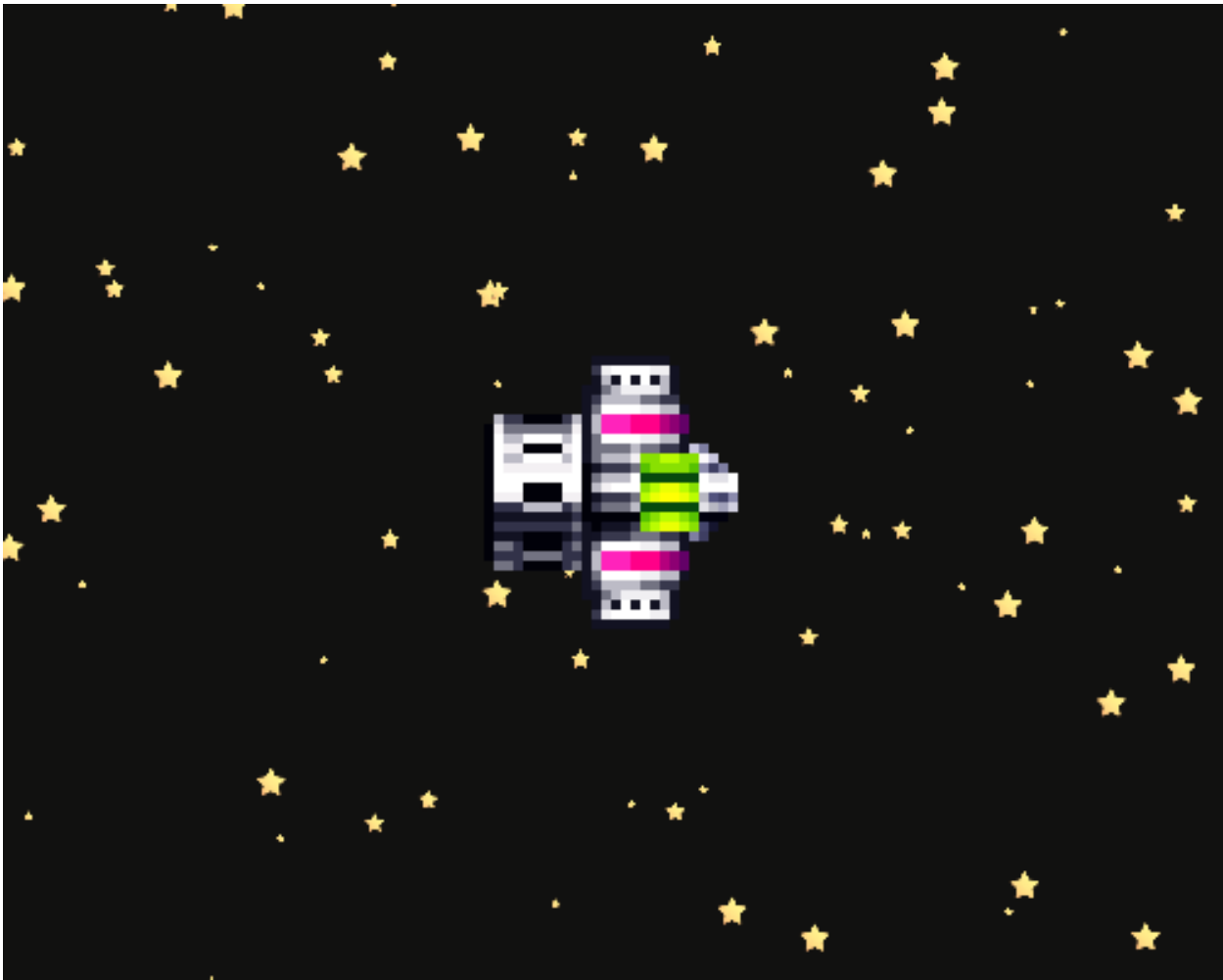
Chapter 9

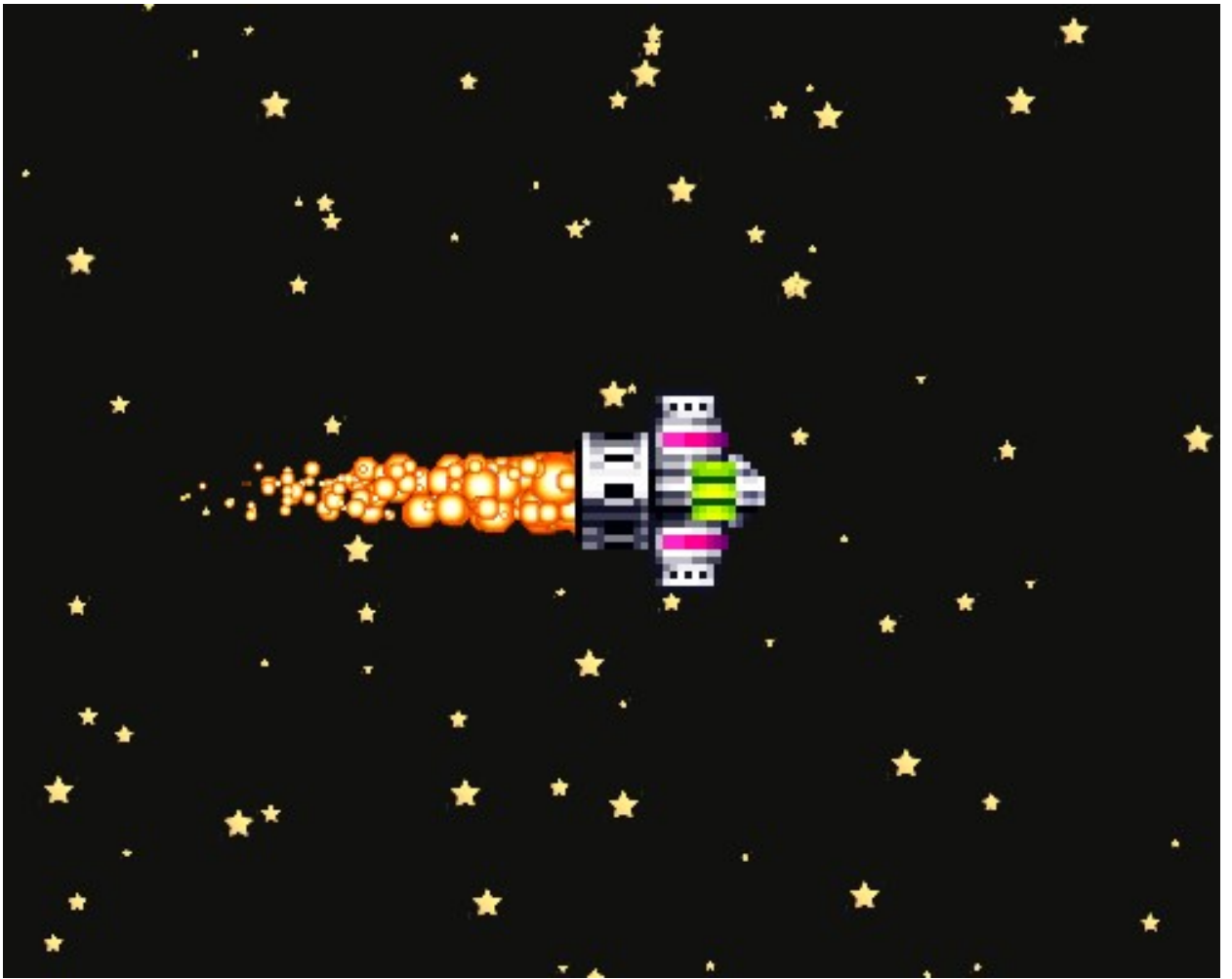


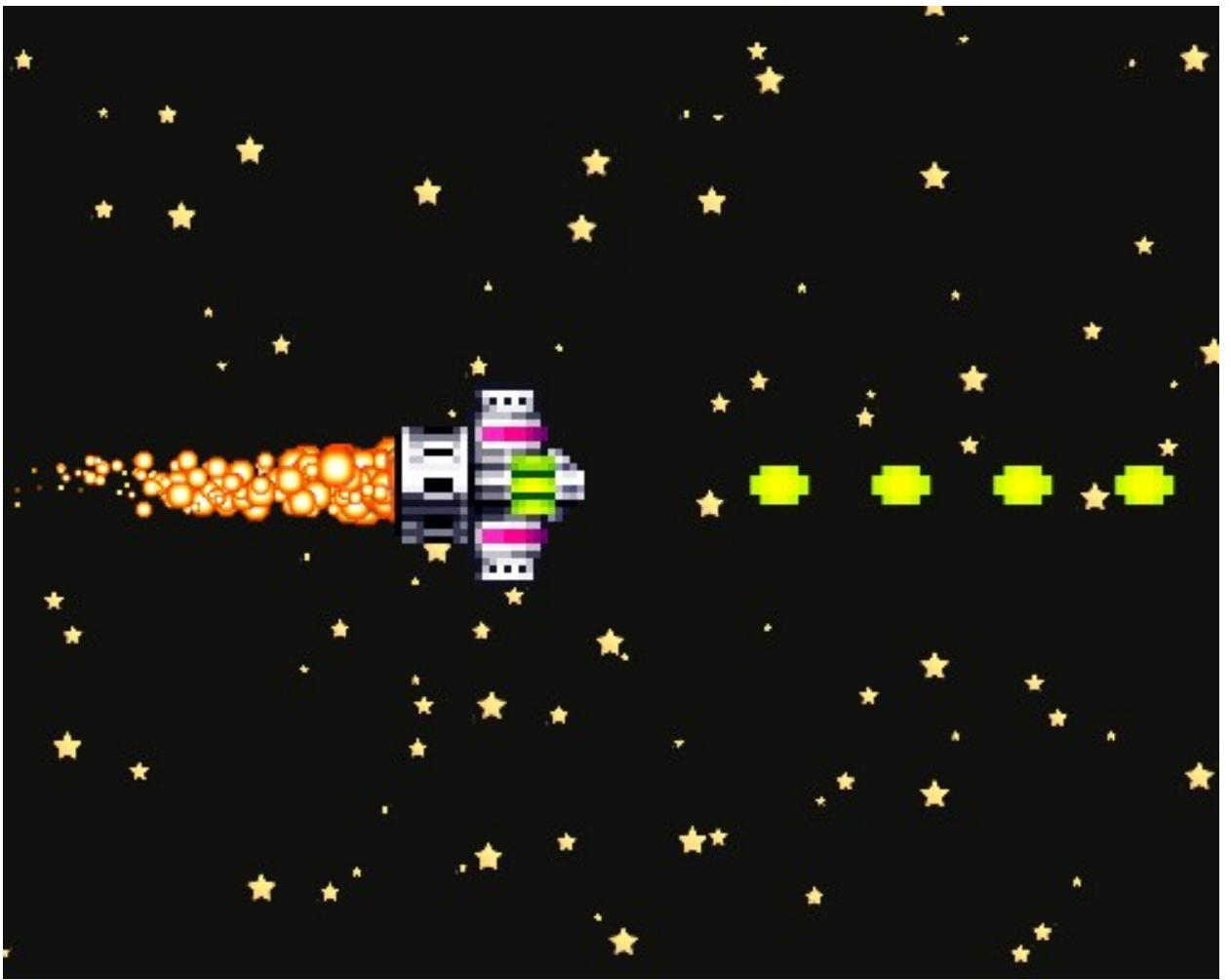
















icon_clock.png
128 × 128



icon_paint.png
128 × 128