

```
→ prod mix new identicon
```



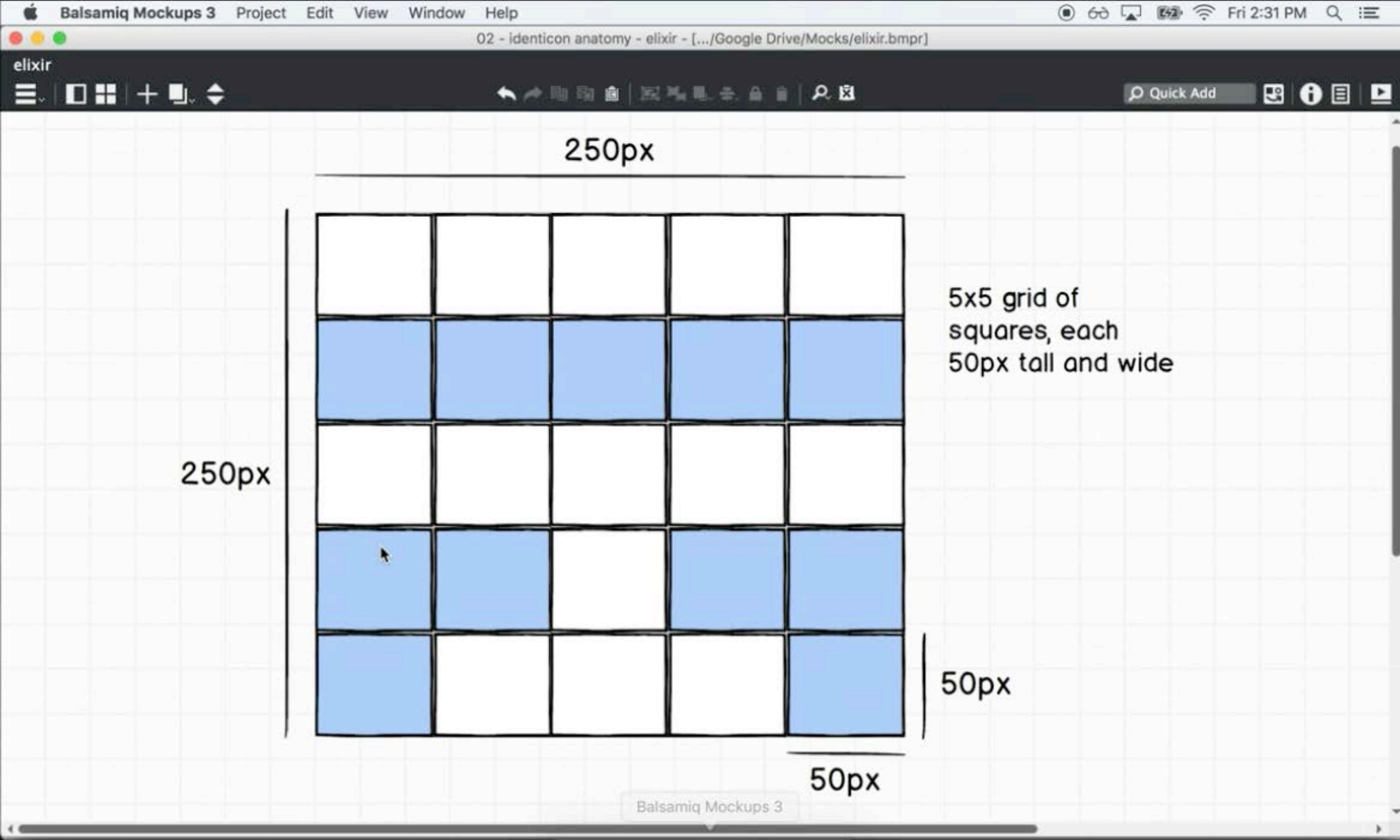
```
* creating lib/identicon.ex
* creating test
* creating test/test_helper.exs
* creating test/identicon_test.exs
```

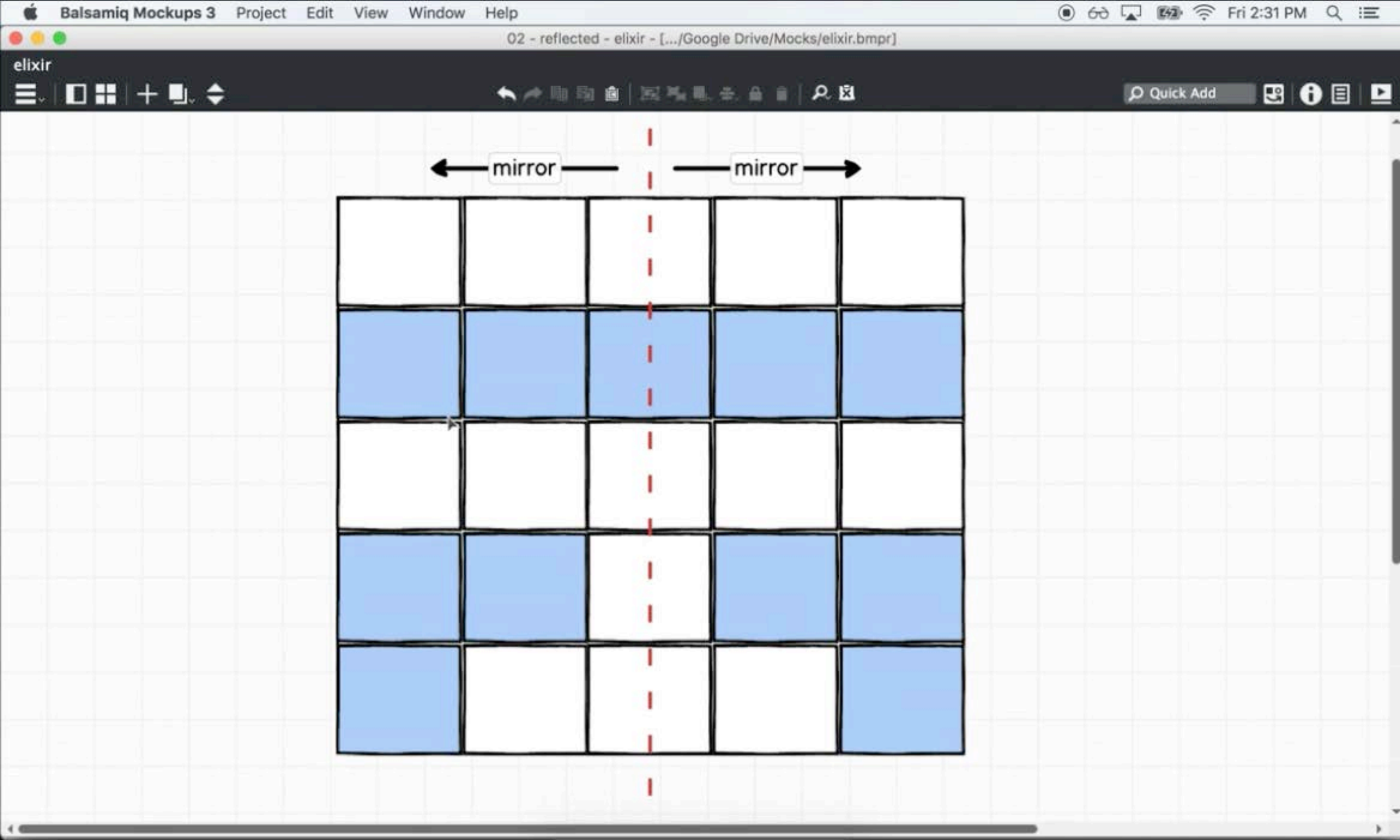
Your Mix project was created successfully.
You can use "mix" to compile it, test it, and more:

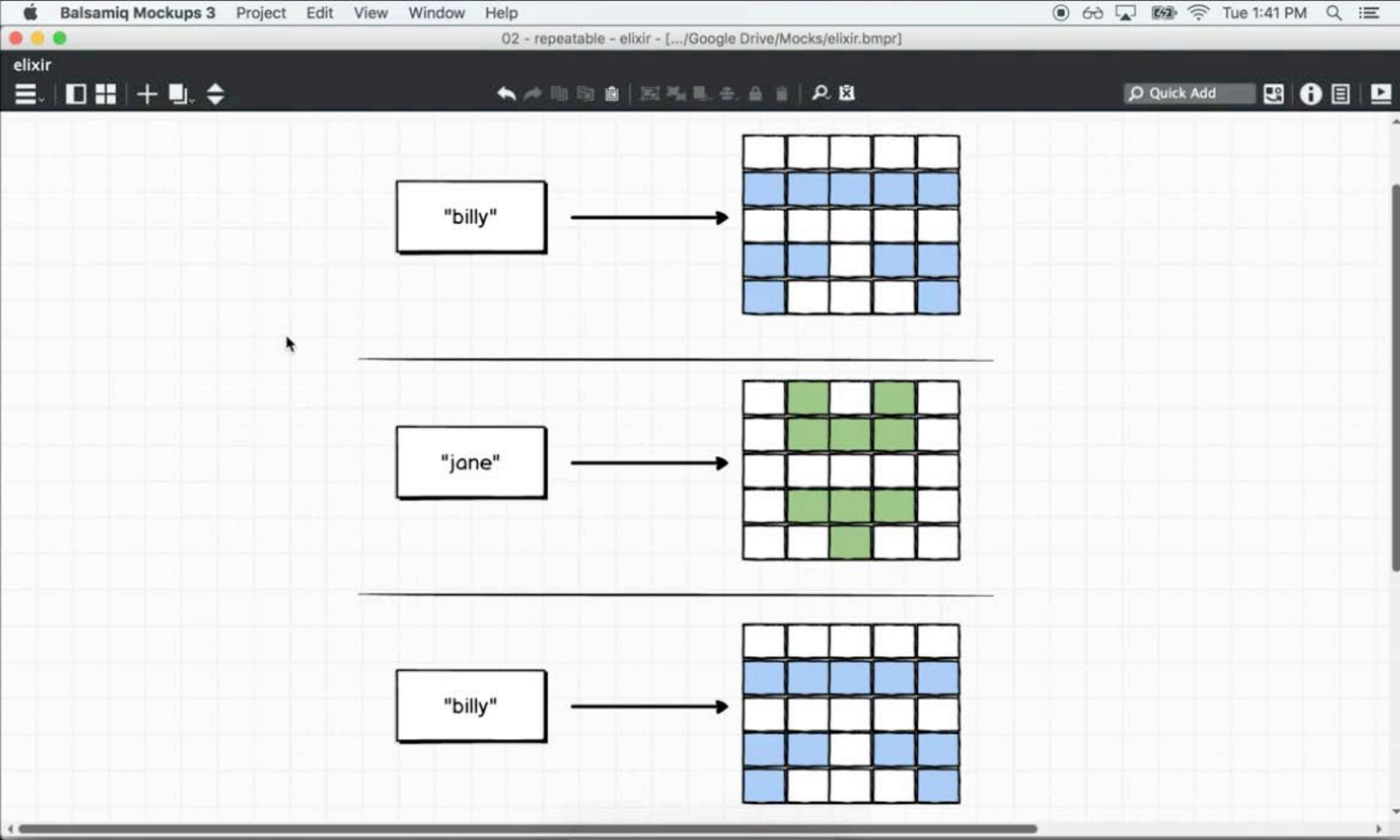
```
cd identicon
mix test
```

Run "mix help" for more commands.

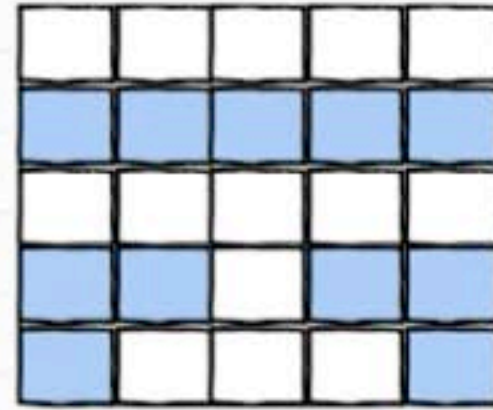
```
→ prod cd identicon
→ identicon
```

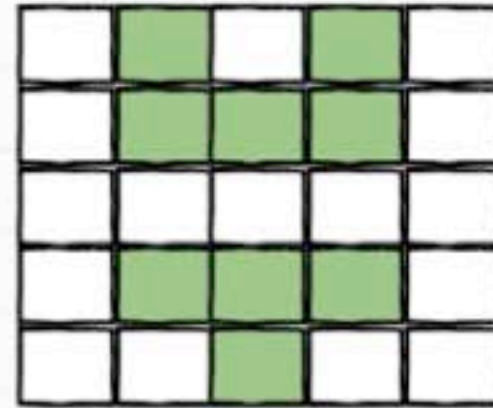




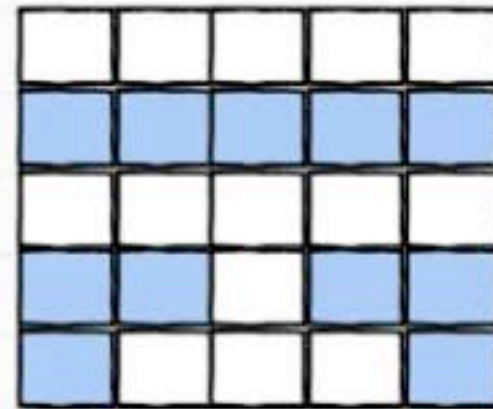
"billy"

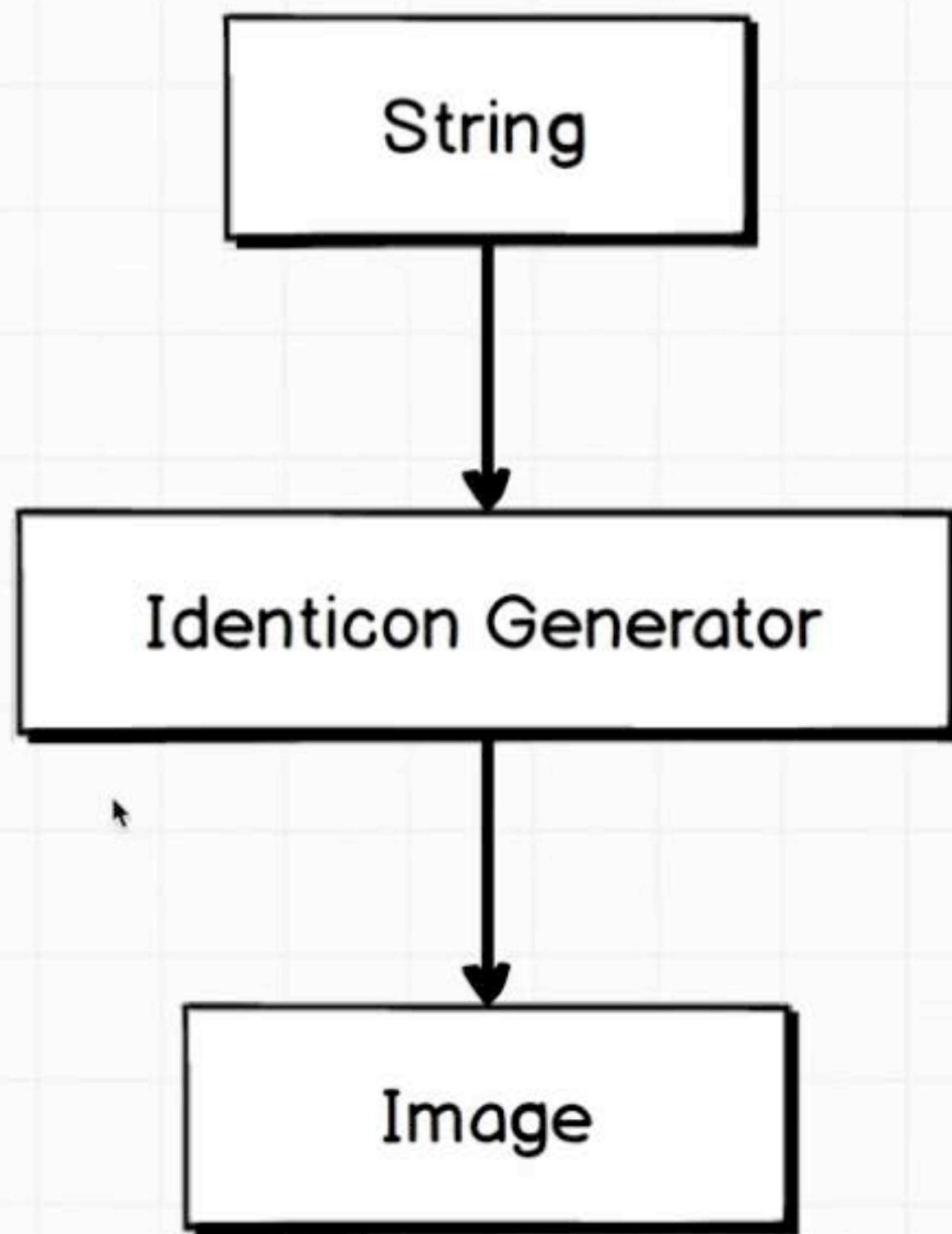


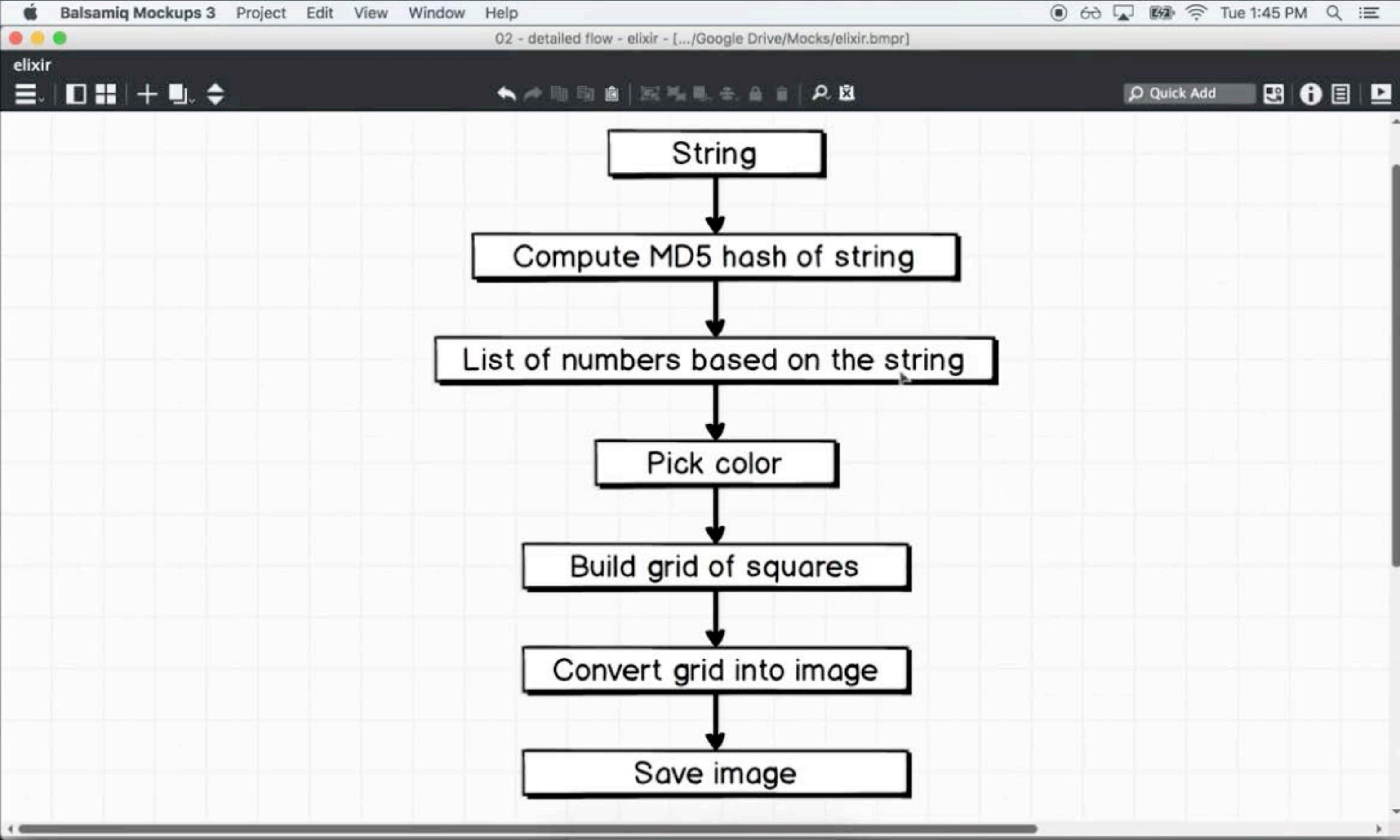
"jane"



"billy"







```
iTerm2 Shell Edit View Profiles Toolbelt Window Help
1. iex (beam.smp)

iex(1)> hash = :crypto.hash(:md5, "banana")
<<114, 179, 2, 191, 41, 122, 34, 138, 117, 115, 1, 35, 239,
  239, 124, 65>>
iex(2)>
```

```
iex(1)> hash = :crypto.hash(:md5, "banana")  
<<114, 179, 2, 191, 41, 122, 34, 138, 117, 115, 1, 35, 239,  
  239, 124, 65>>  
iex(2)> Base.encode16(hash)  
"72B302BF297A228A75730123EFEF7C41"  
iex(3)>
```

1. iex (beam.smp)

```
iex(1)> hash = :crypto.hash(:md5, "banana")
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<<114, 179, 2, 191, 41, 122, 34, 138, 117, 115, 1, 35, 239,  
  239, 124, 65>>
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iex(2)> Base.encode16(hash)
```

```
"72B302BF297A228A75730123EFEF7C41"
```

```
iex(3)> :binary.bin_to_list(hash)
```

```
[114, 179, 2, 191, 41, 122, 34, 138, 117, 115, 1, 35, 239, 239,  
  124, 65]
```

```
iex(4)> █
```


identicon

- config
- lib
 - identicon.ex
- test
- .gitignore
- mix.exs
- README.md

```
1 defmodule Identicon do
2   def main(input) do
3     input
4     |> hash_input
5   end
6
7   def hash_input(input) do
8     :crypto.hash(:md5, input)
9     |> :binary.bin_to_list
10  end
11 end
12
```

```
124, 65]
iex(4)>
BREAK: (a)bort (c)ontinue (p)roc info (i)nfo (l)oaded
       (v)ersion (k)ill (D)b-tables (d)istribution
^C%
→ identicon git:(053-the-main-pipeline) x
→ identicon git:(053-the-main-pipeline) x iex -S mix
Erlang/OTP 19 [erts-8.1] [source] [64-bit] [smp:4:4] [async-thr
eads:10] [hipe] [kernel-poll:false] [dtrace]

Compiling 1 file (.ex)
Generated identicon app
Interactive Elixir (1.3.4) - press Ctrl+C to exit (type h() ENT
ER for help)
iex(1)>
```


(v)ersion (k)ill (D)b-tables (d)istribution

^C%

→ identicon git:(053-the-main-pipeline) x

→ identicon git:(053-the-main-pipeline) x iex -S mix

Erlang/OTP 19 [erts-8.1] [source] [64-bit] [smp:4:4] [async-threads:10] [hipe] [kernel-poll:false] [dtrace]

Compiling 1 file (.ex)

Generated identicon app

Interactive Elixir (1.3.4) - press Ctrl+C to exit (type h() ENTER for help)

iex(1)> Identicon.main("banana")

[114, 179, 2, 191, 41, 122, 34, 138, 117, 115, 1, 35, 239, 239, 124, 65]

iex(2)>

(v)ersion (k)ill (D)b-tables (d)istribution

^C%

→ identicon git:(053-the-main-pipeline) x

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Erlang/OTP 19 [erts-8.1] [source] [64-bit] [smp:4:4] [async-threads:10] [hipe] [kernel-poll:false] [dtrace]

Compiling 1 file (.ex)

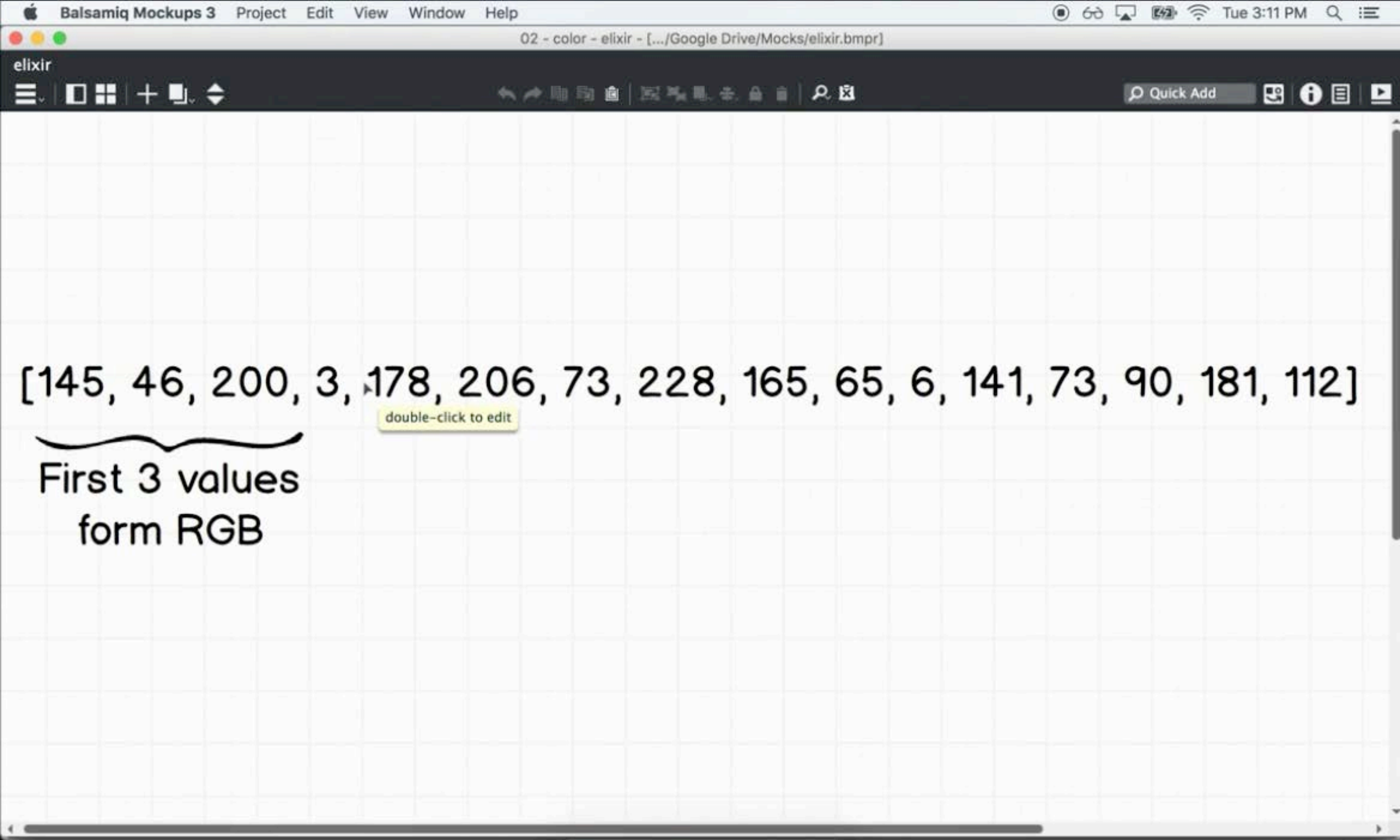
Generated identicon app

Interactive Elixir (1.3.4) - press Ctrl+C to exit (type h() ENTER for help)

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[114, 179, 2, 191, 41, 122, 34, 138, 117, 115, 1, 35, 239, 239, 124, 65]

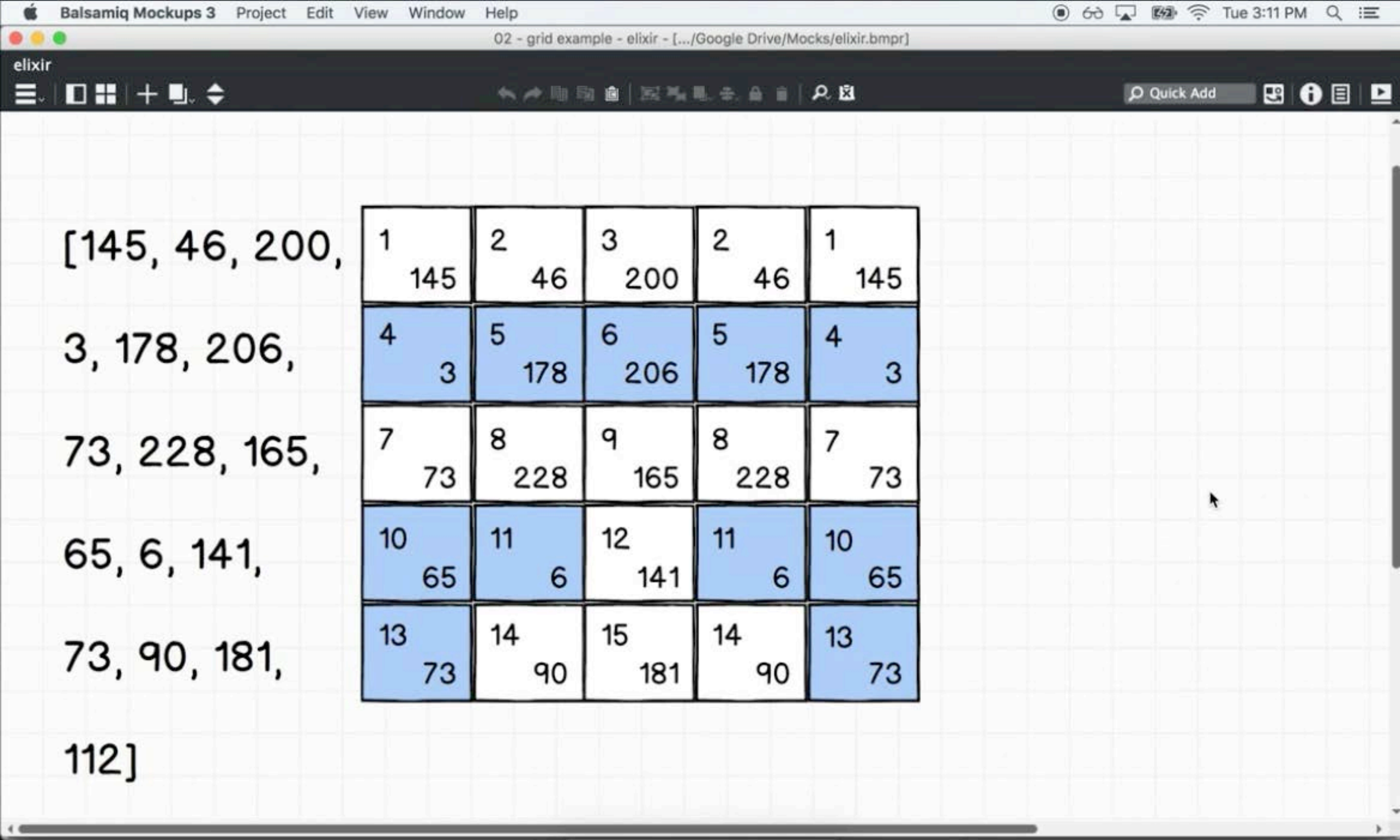
iex(2)>



[145, 46, 200, 3, 178, 206, 73, 228, 165, 65, 6, 141, 73, 90, 181, 112]

double-click to edit

First 3 values
form RGB



[145, 46, 200,
3, 178, 206,
73, 228, 165,
65, 6, 141,
73, 90, 181,
112]

1 145	2 46	3 200	2 46	1 145
4 3	5 178	6 206	5 178	4 3
7 73	8 228	9 165	8 228	7 73
10 65	11 6	12 141	11 6	10 65
13 73	14 90	15 181	14 90	13 73

1 115	2 46	3 200	2 46	1 145
4 3	5 178	6 206	5 178	4 3
7 73	8 228	9 165	8 228	7 73
10 65	11 6	12 141	11 6	10 65
13 73	14 90	15 181	14 90	13 73

1 115	2 46	3 200	2 46	1 145
4 3	5 178	6 206	5 178	4 3
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13 73	14 90	15 181	14 90	13 73

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1 115	2 46	3 200	2 46	1 145
4 3	5 178	6 206	5 178	4 3
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13 73	14 90	15 181	14 90	13 73

1 115	2 46	3 200	2 46	1 145
4 3	5 178	6 206	5 178	4 3
7 73	8 228	9 165	8 228	7 73
10 65	11 6	12 141	11 6	10 65
13 73	14 90	15 181	14 90	13 73

1 115	2 46	3 200	2 46	1 145
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10 65	11 6	12 141	11 6	10 65
13 73	14 90	15 181	14 90	13 73