

CSS и HTML - это язык программирования

Алексей Охрименко (IPONWEB)



Алексей Охрименко

Tweeter: @Ai_boy
Gitter: aiboy

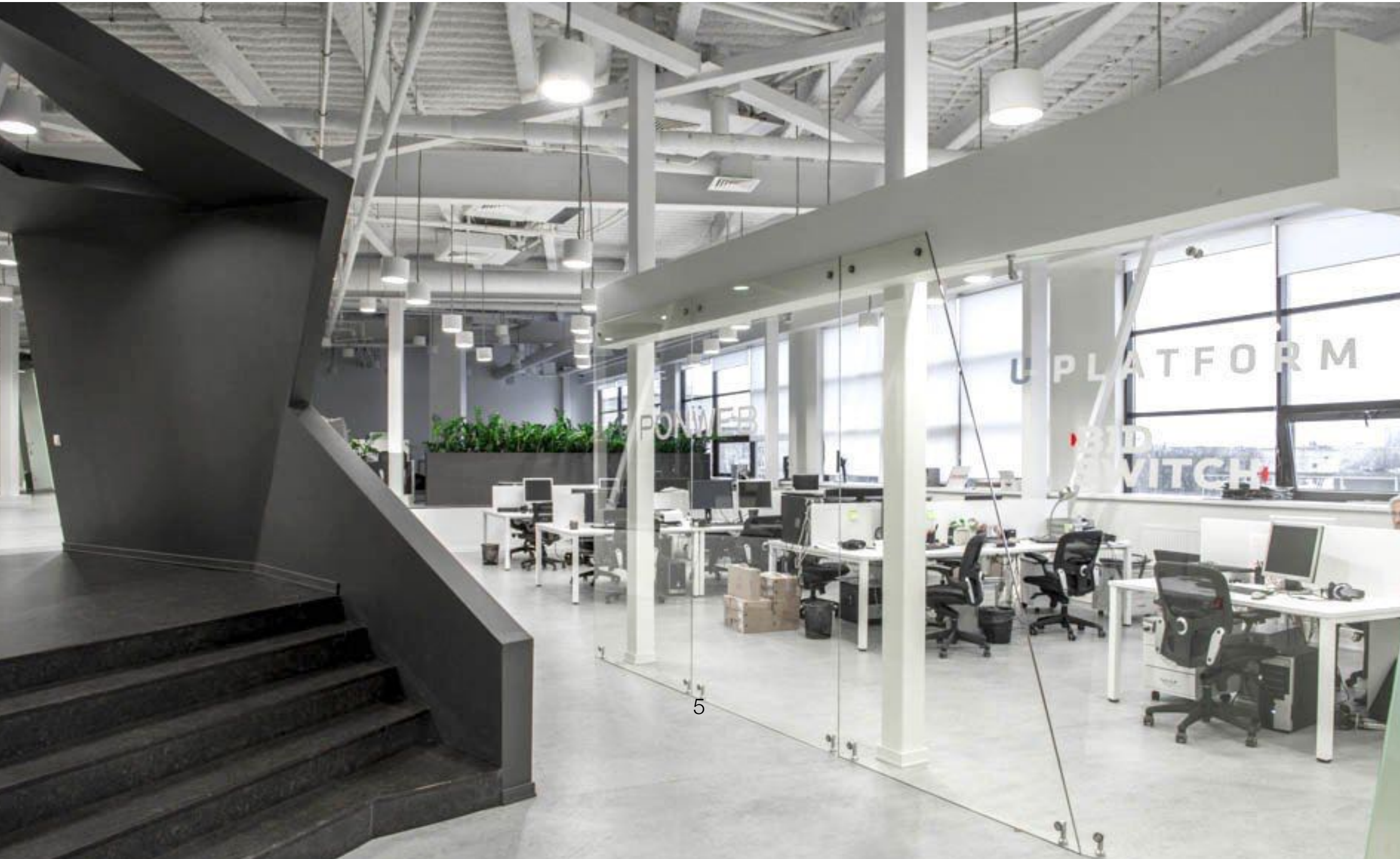






IPONWEB

RTB



5 min Angular



Пятиминутка Angular

Пятиминутка Angular - #1 - Angular 5 Beta 3,
Angular CLI 1.3, CreateAngularComponents

3 days

Technology





JS *vs* HTML/CSS



**A LONG TIME AGO, IN A
GALAXY FAR FAR
AWAY...**





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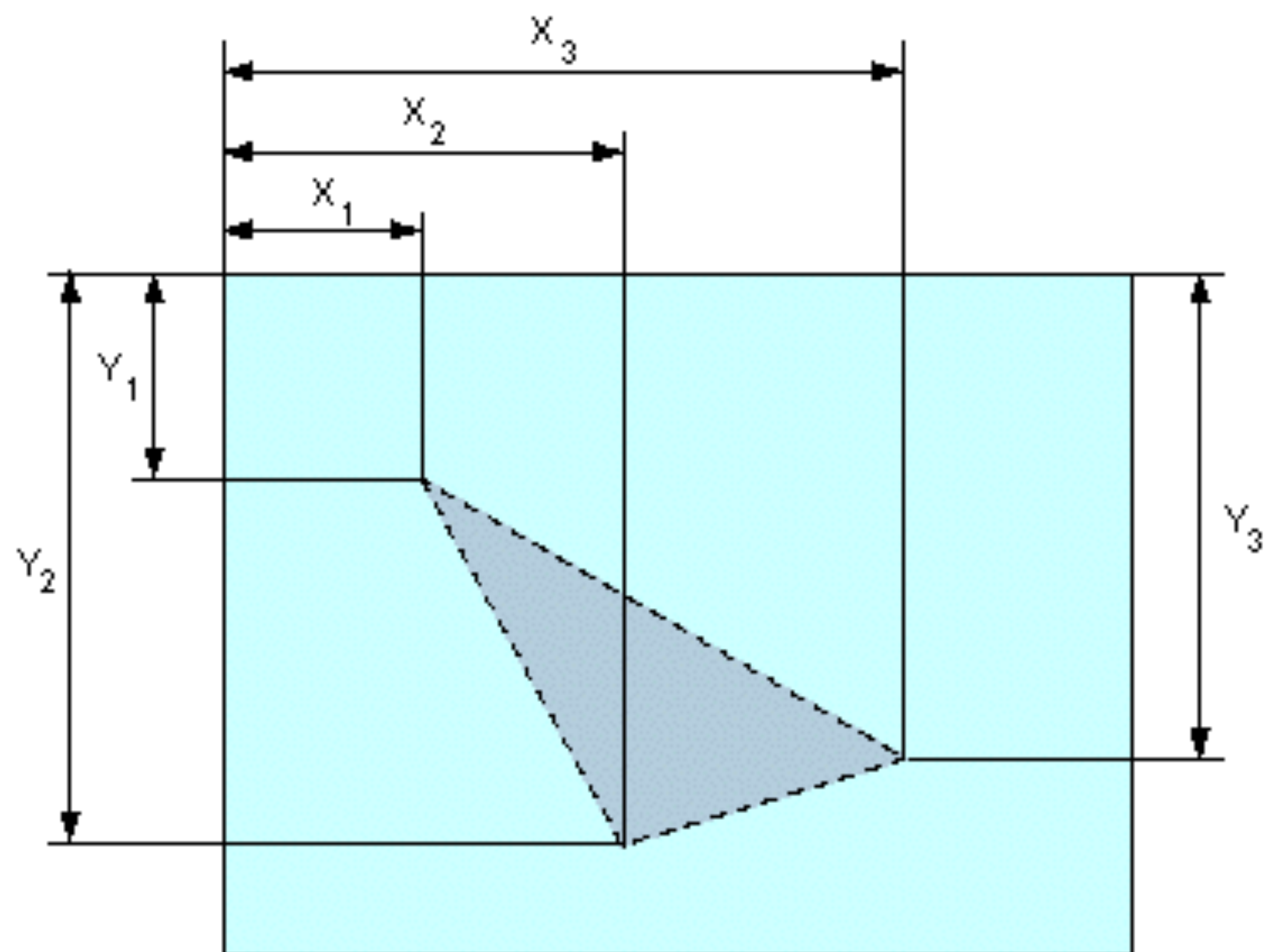
**Какой HTML тэг
привел WEB к успеху?**

img

map, area


```
  
<map name="test"></map>
```

```
<map name="test">  
  <area  
    shape="poly"  
    coords="113,24,211,24,233,0,137,0"  
    href="inform.html"  
    alt="Информация">  
</map>
```




```
<map name="test">  
  <area  
    shape="poly"  
    coords="113,24,211,24,233,0,137,0"  
    href="inform.html"  
    alt="Информация">  
</map>
```



REBELS



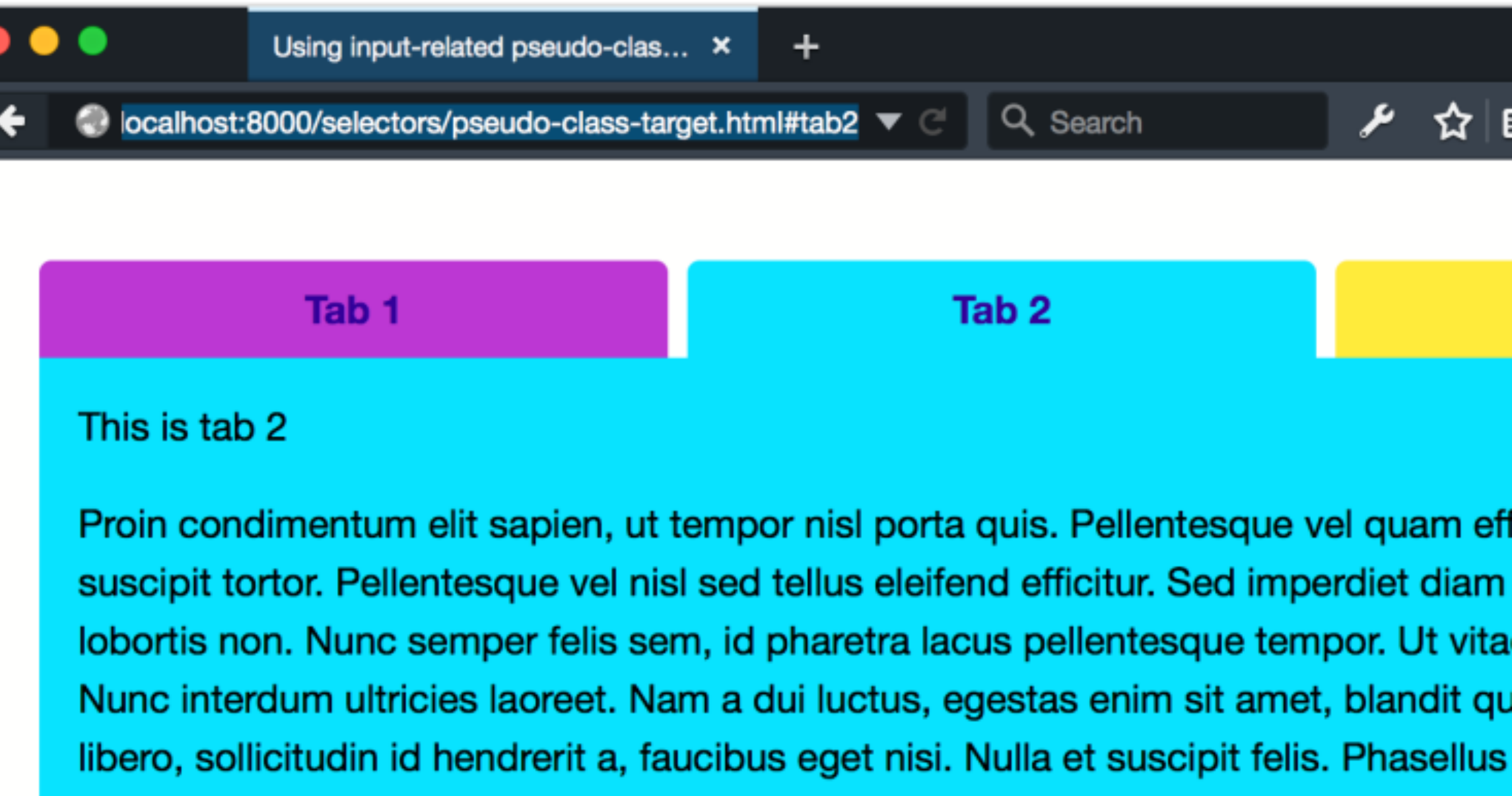
JS

JS

AJAX

RISE OF EMPIRE

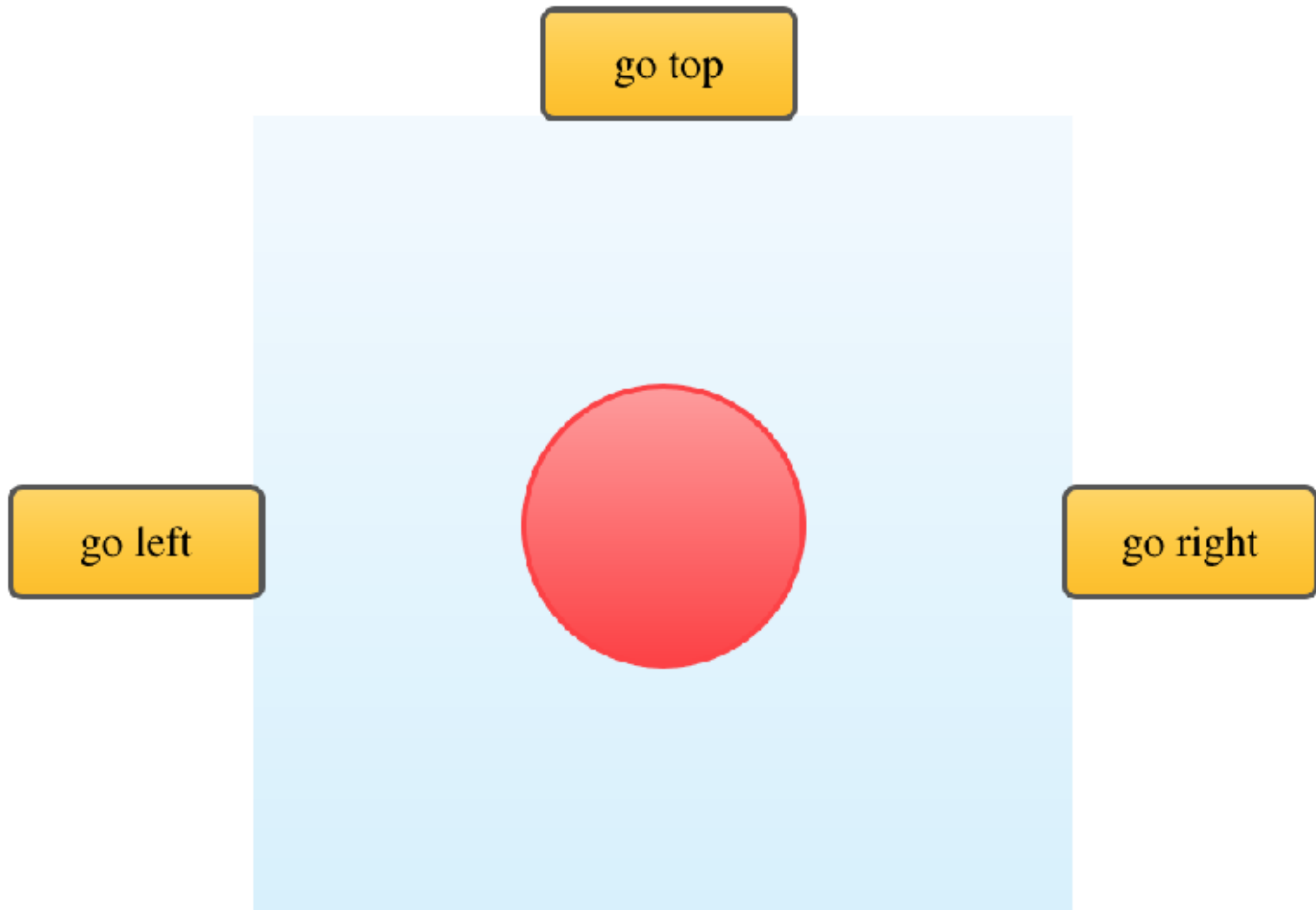
:target



:checked



CSS animation





A NEW HOPE





DAYS

**SINCE LAST NEW
JAVASCRIPT FRAMEWORK**



Enyo

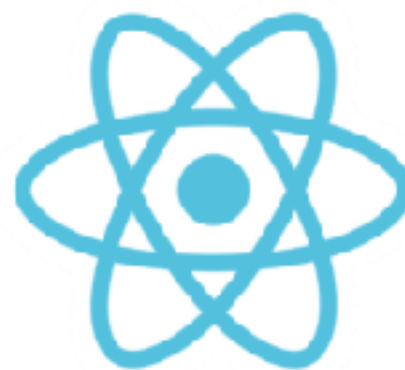


GWT

Ractive.js



Sammy.js



dojo



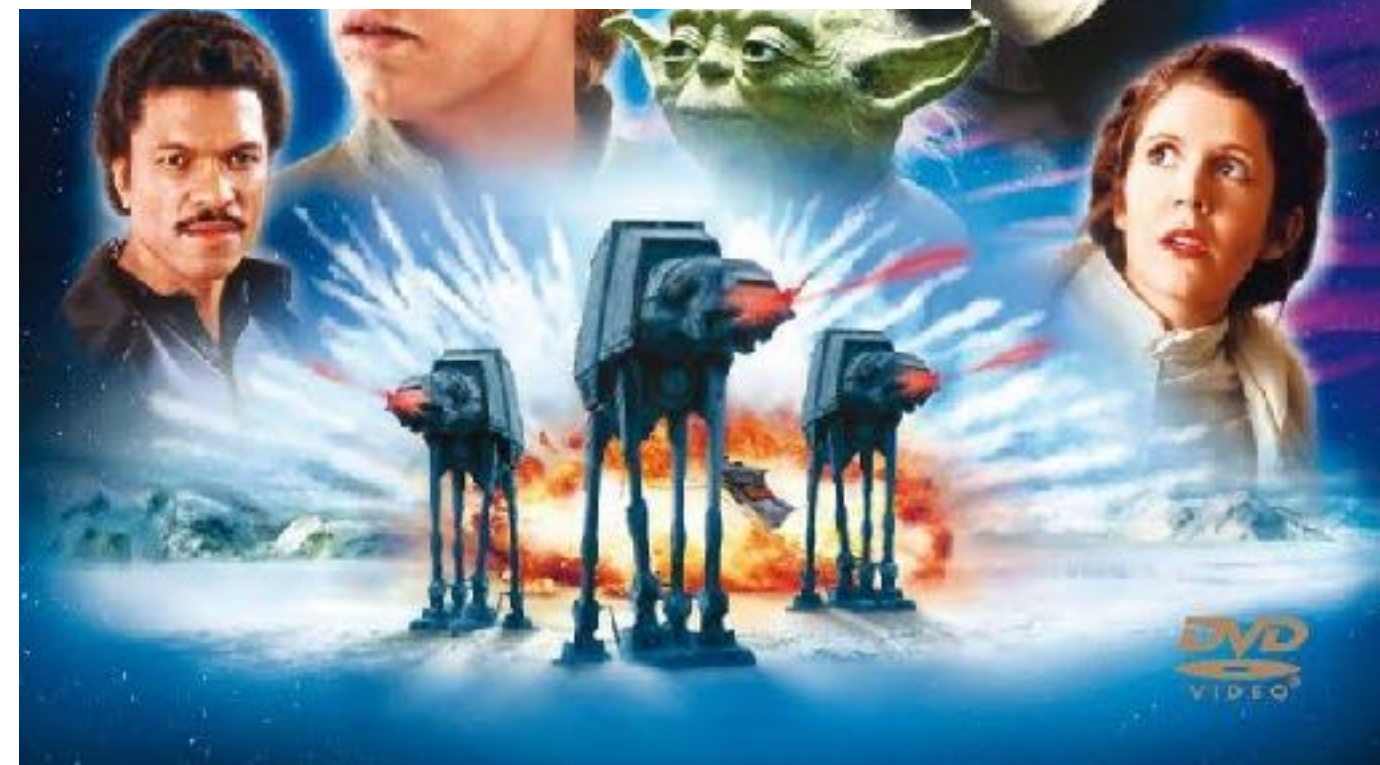
canjs

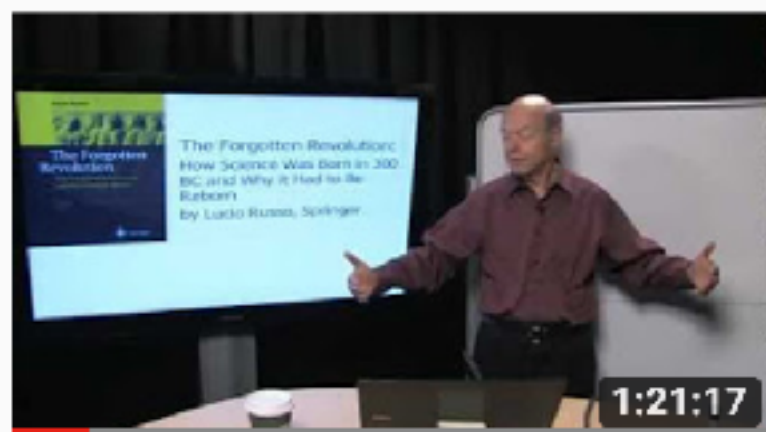


mochikit



EMPIRE STRIKES BACK





C9 Lectures: Yuri Gurevich - Introduction to Algorithms and Computational Complexity, 1 of n

Oleksii Okhrimenko • 2 тыс. просмотров • 4 года назад

Here, the great **Yuri Gurevich**, mathematician, computer scientist and inventor of abstract state machines, will teach us about ...



Turing Machines Explained - Computerphile

Computerphile ✓ 358 тыс. просмотров • 3 года назад

Turing Machines are the basis of modern computing, but what actually is a **Turing Machine**? As Professor Mark Jago ...

CC



Turing Complete - Computerphile

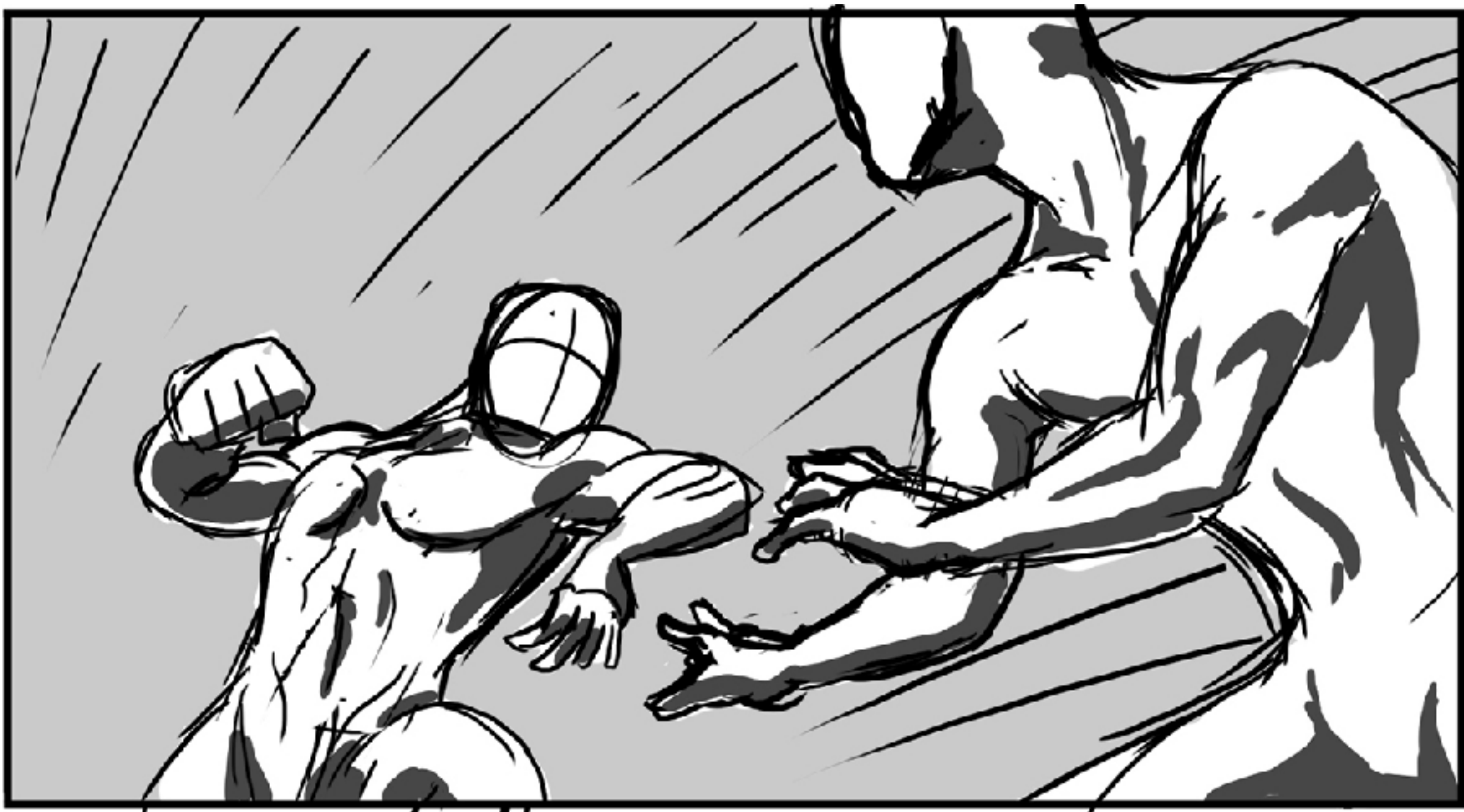
Computerphile ✓ 96 тыс. просмотра • Год назад

What does it mean for something to be **Turing Complete**? Professor Brailsford explains. Turing Machine Primer: ...

CC

**Что такое машина
Тьюринга?**





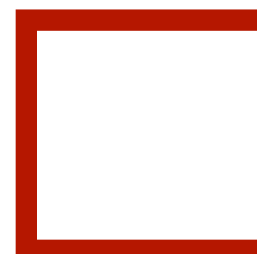
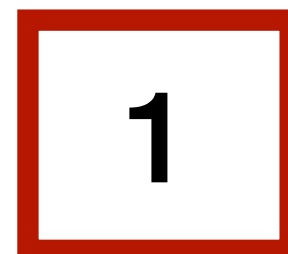
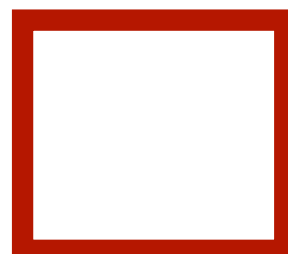
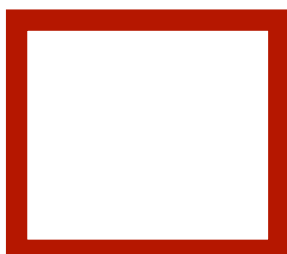
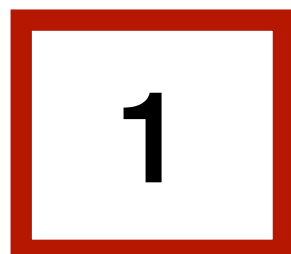
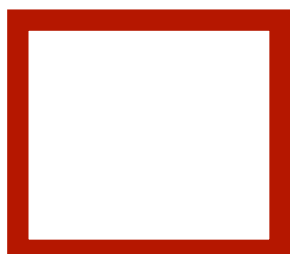
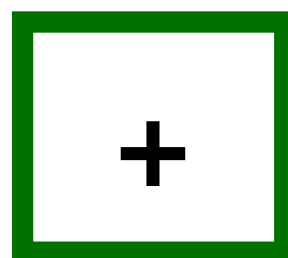
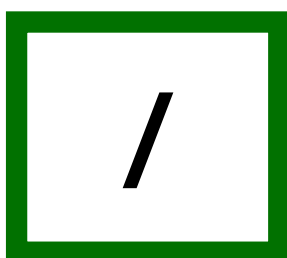
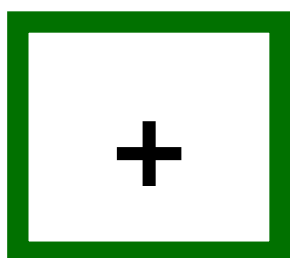
$$\frac{15x-2}{4} = \frac{7x+1}{3} + 2$$

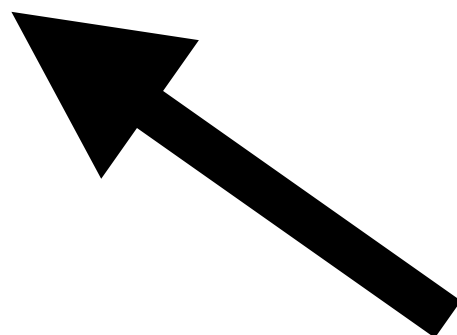
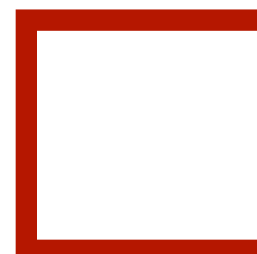
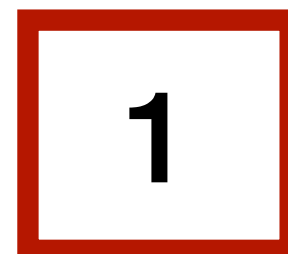
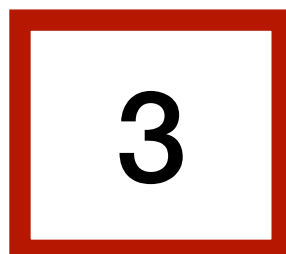
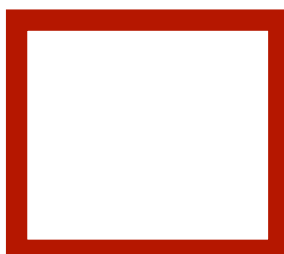
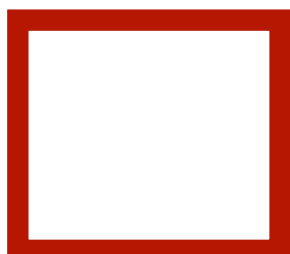
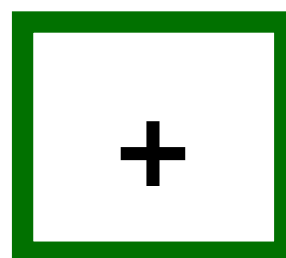
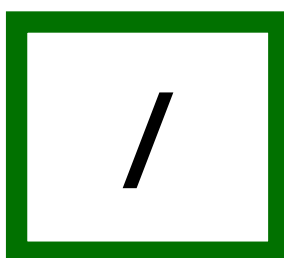
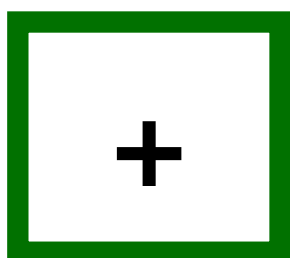


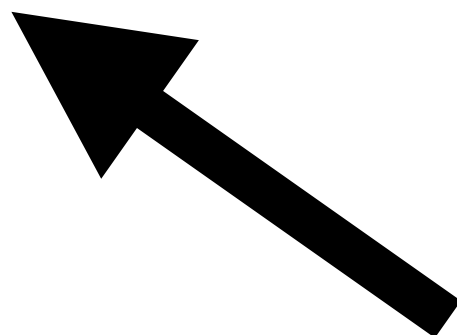
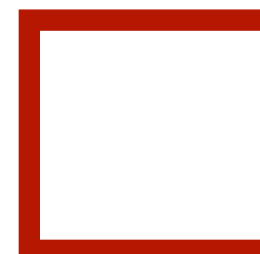
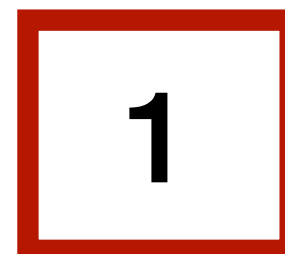
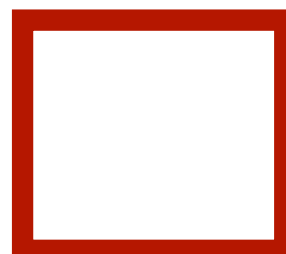
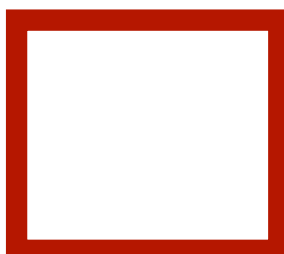
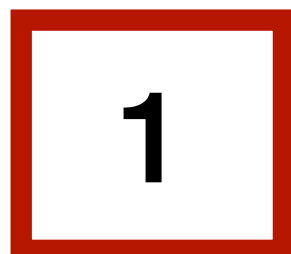
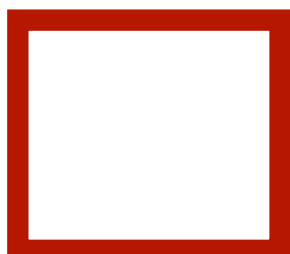
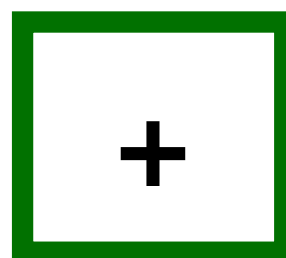
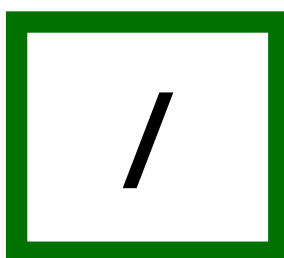
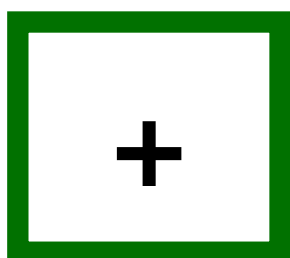
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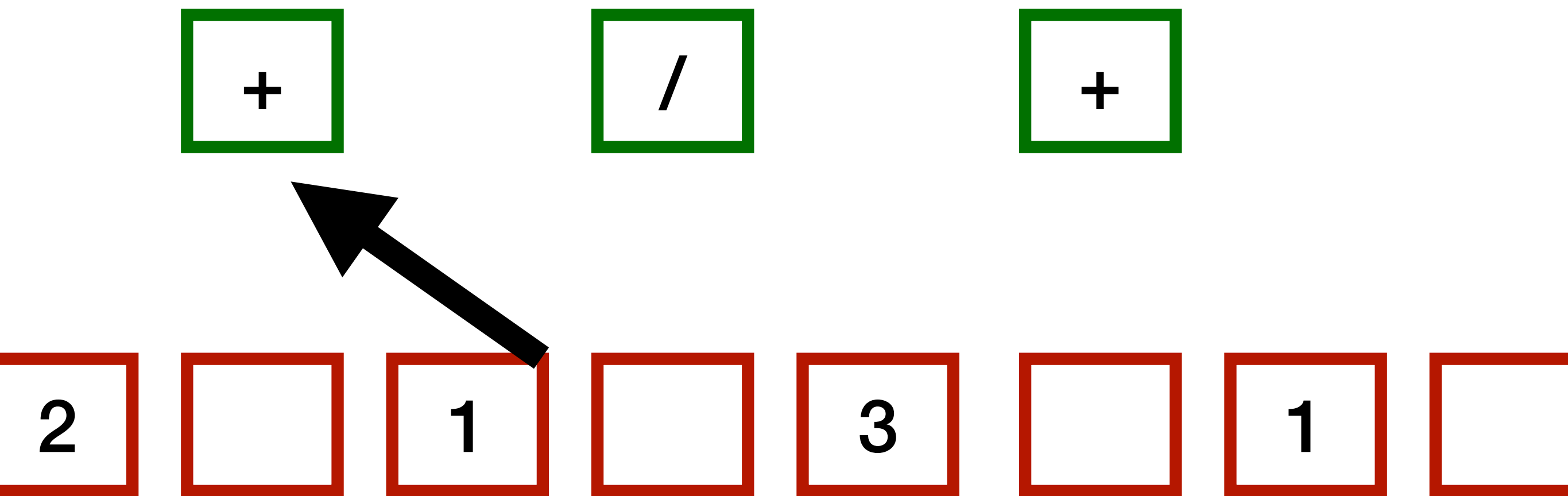
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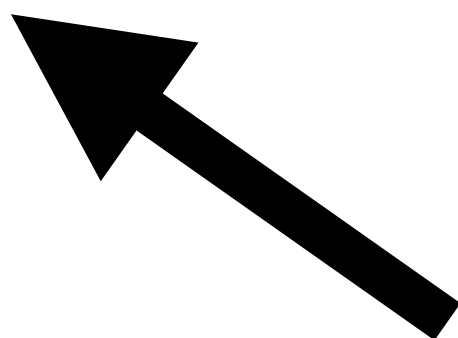
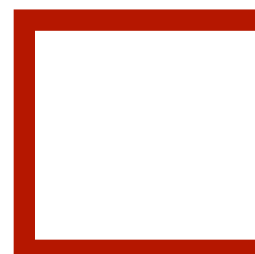
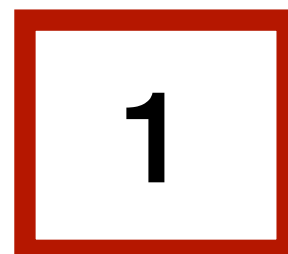
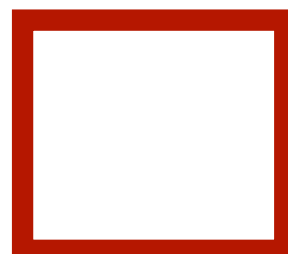
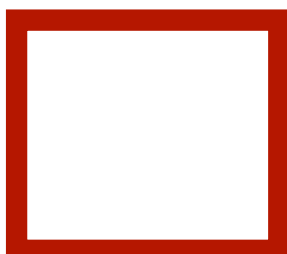
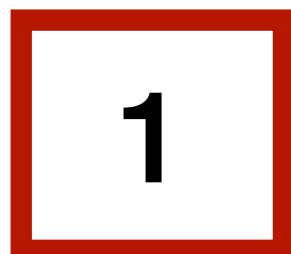
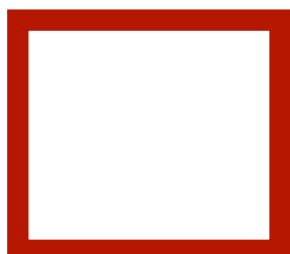
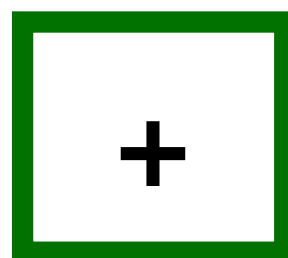
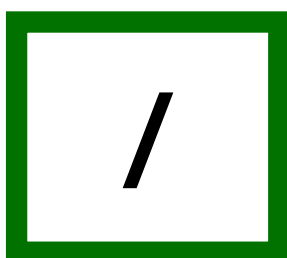
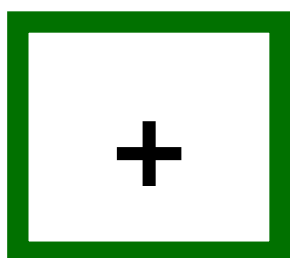
$$2 + 1 / 3 + 1 /$$

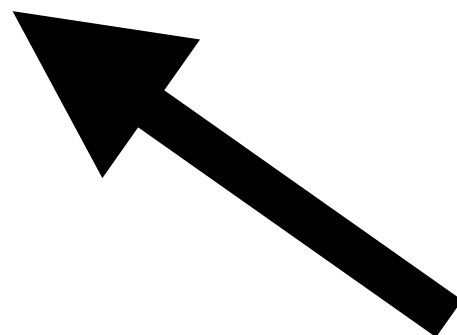
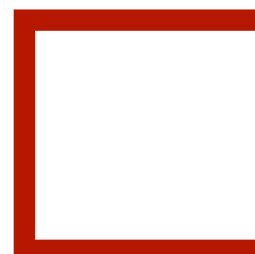
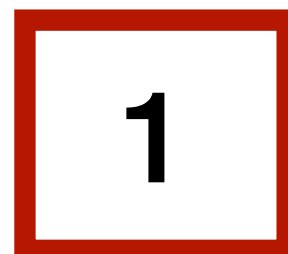
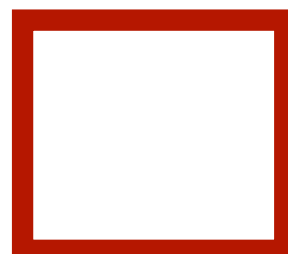
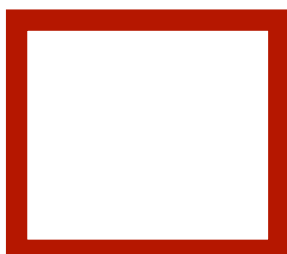
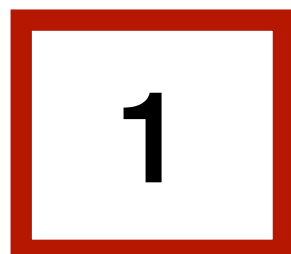
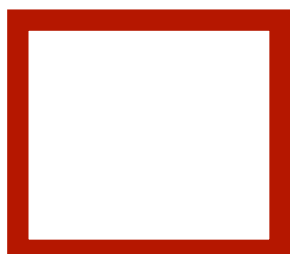
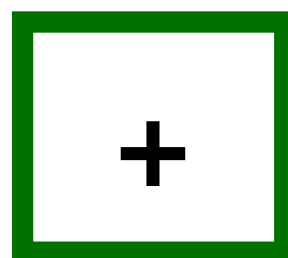
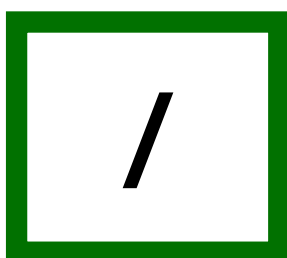
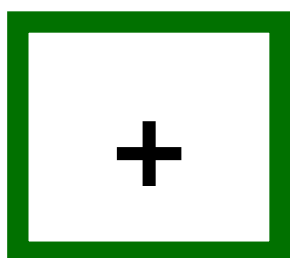


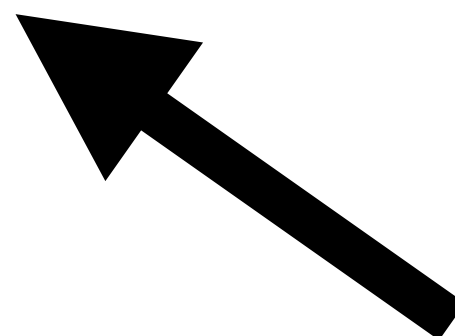
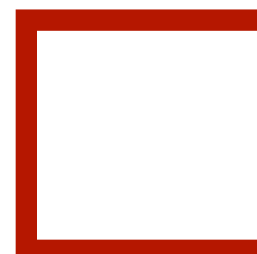
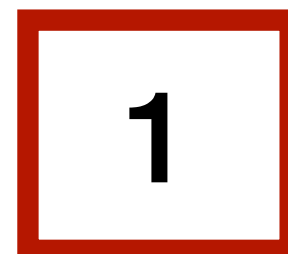
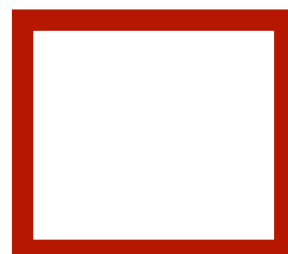
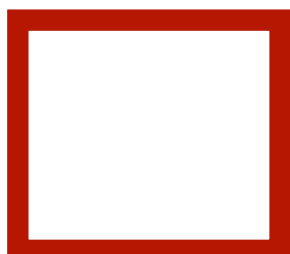
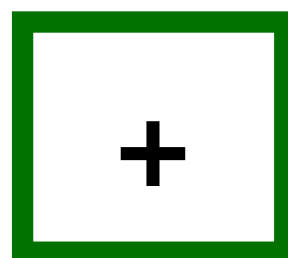
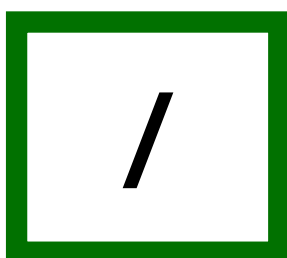
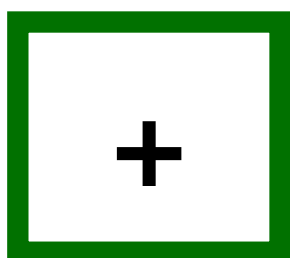


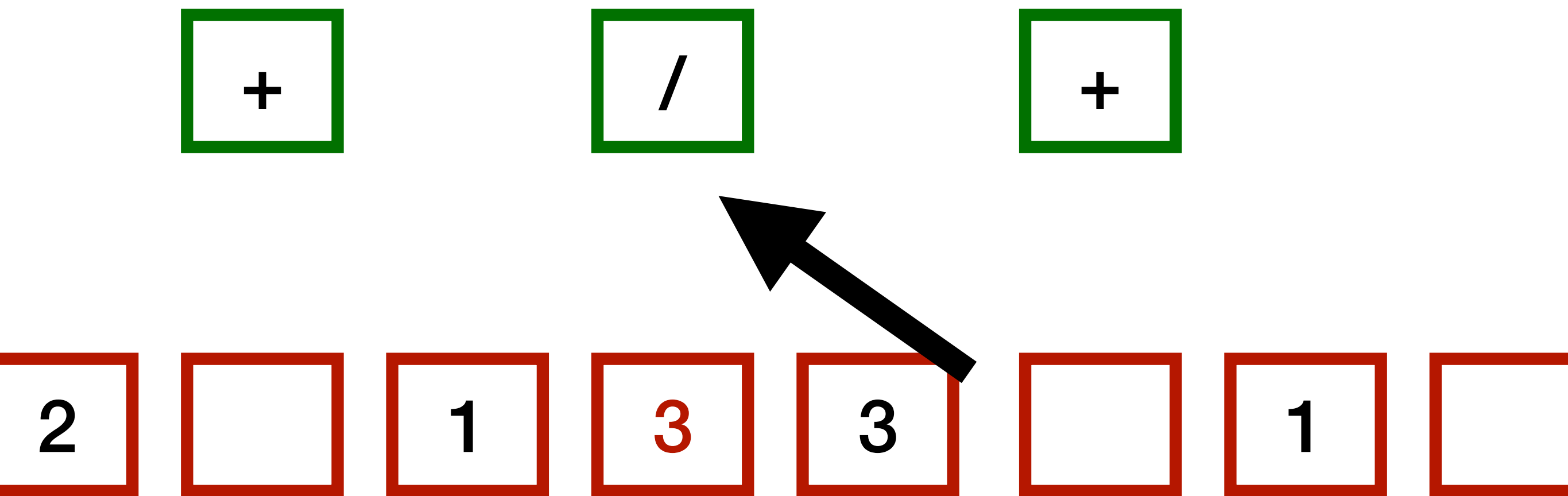


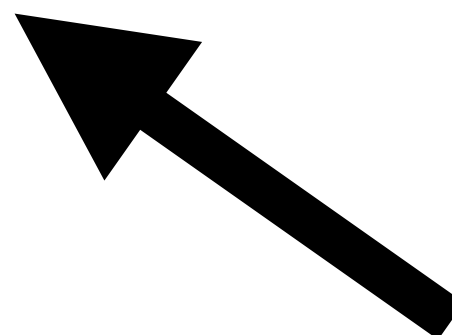
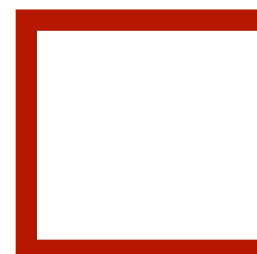
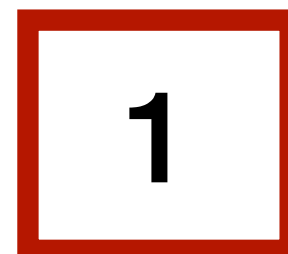
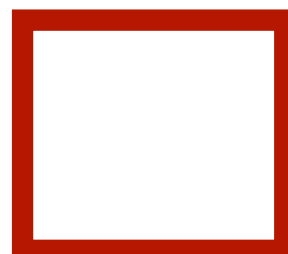
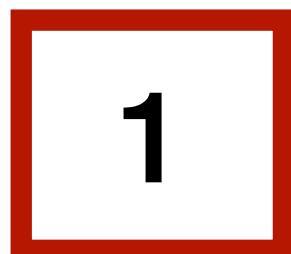
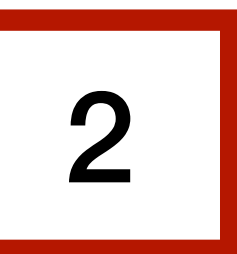
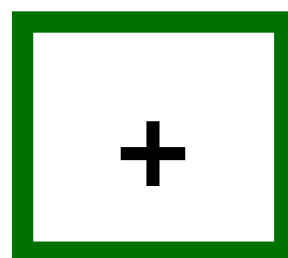
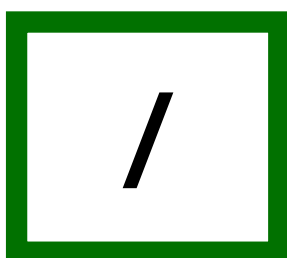
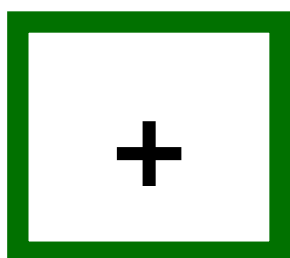


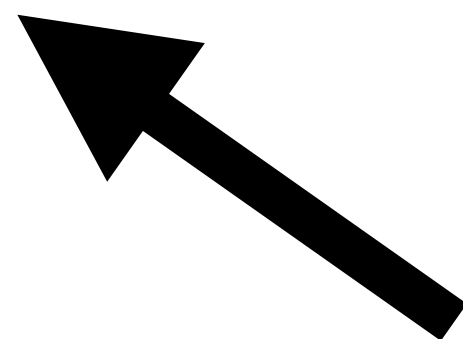
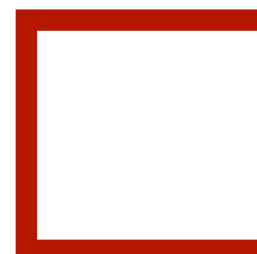
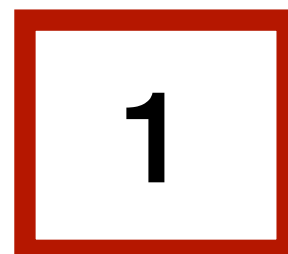
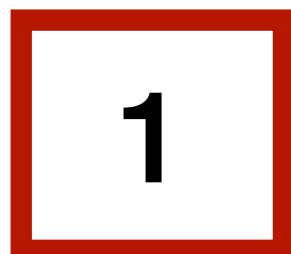
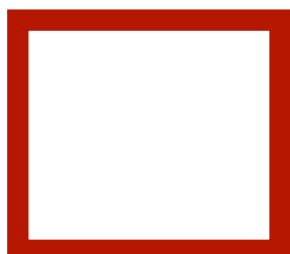
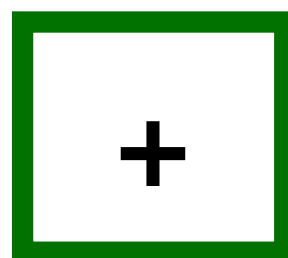
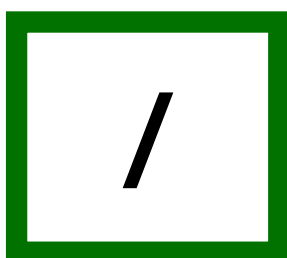
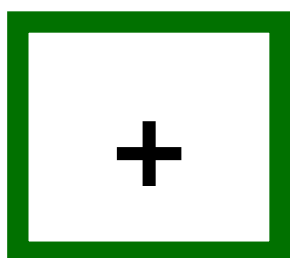


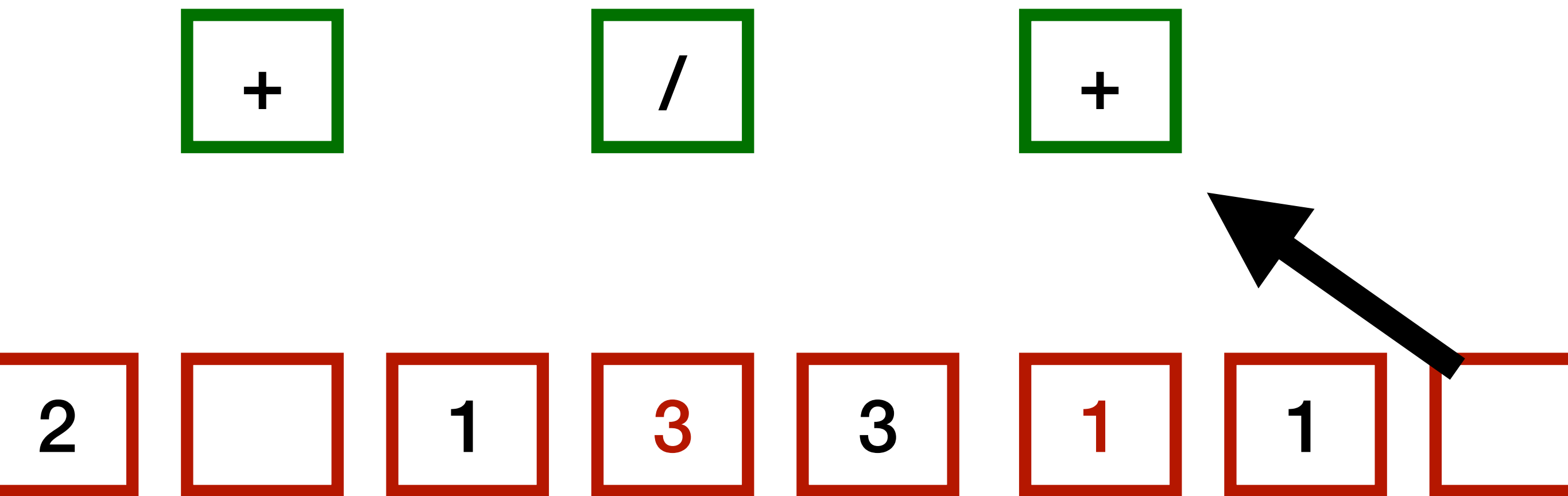


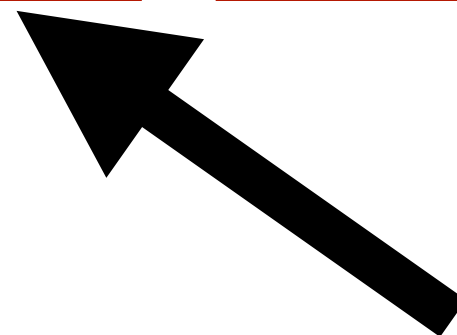
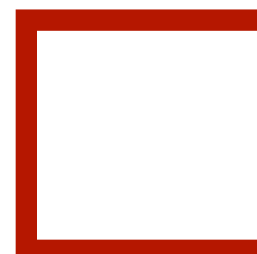
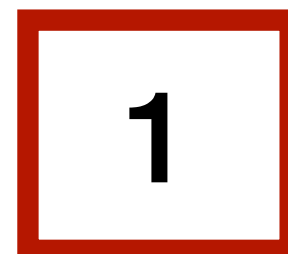
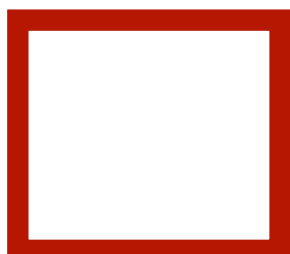
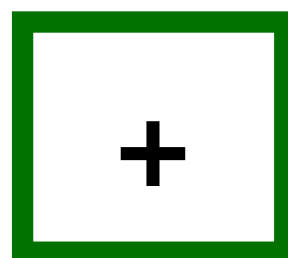
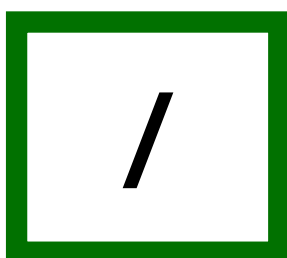
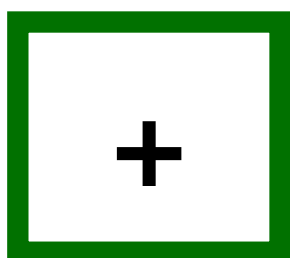


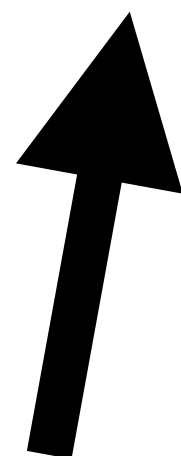
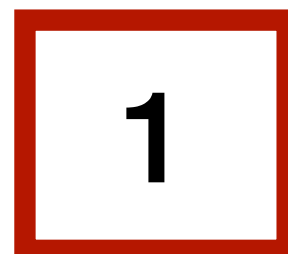
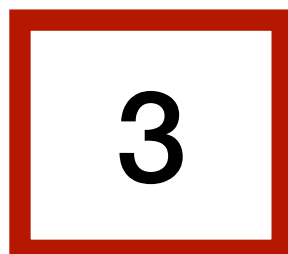
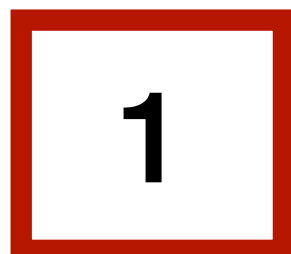
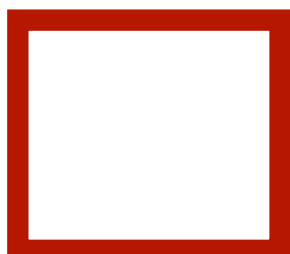
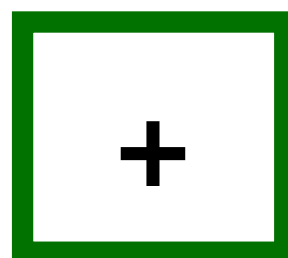
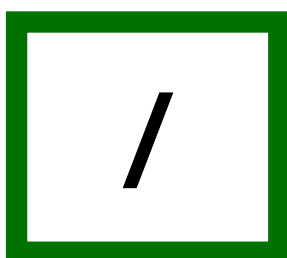
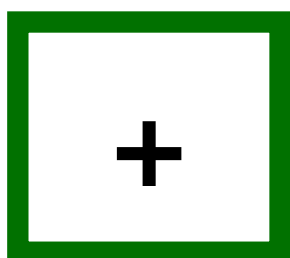




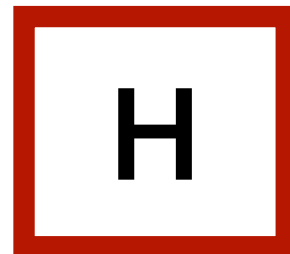
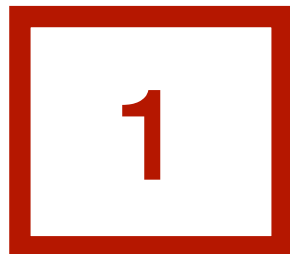
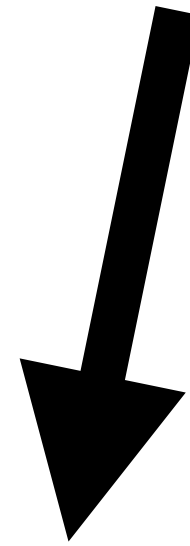
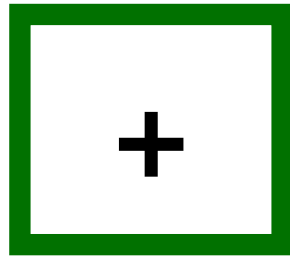
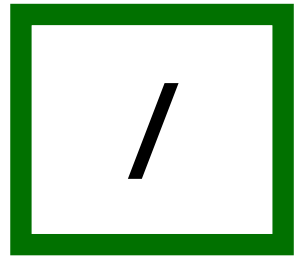


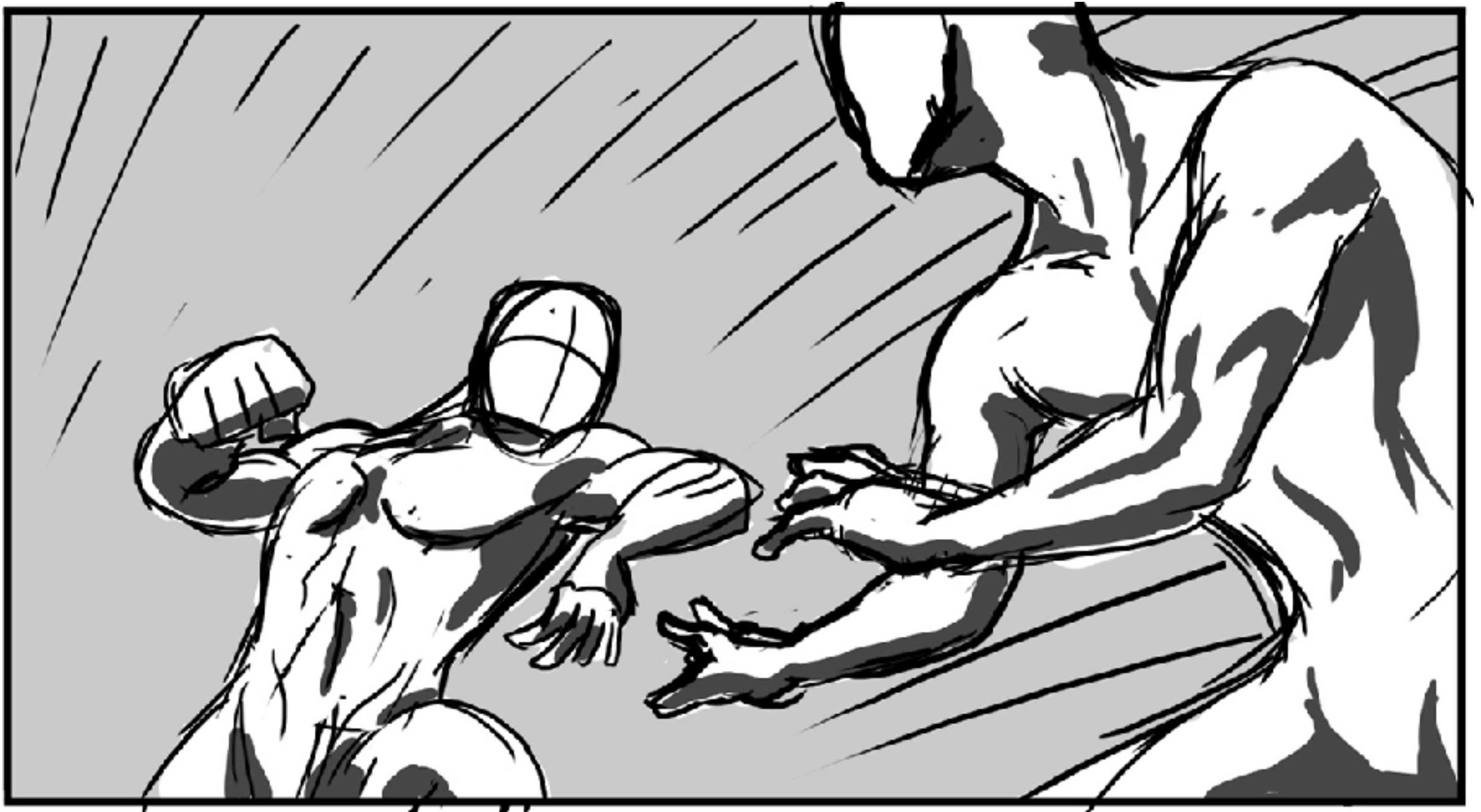






HALT





Пару плюсов

- Проблема остановки

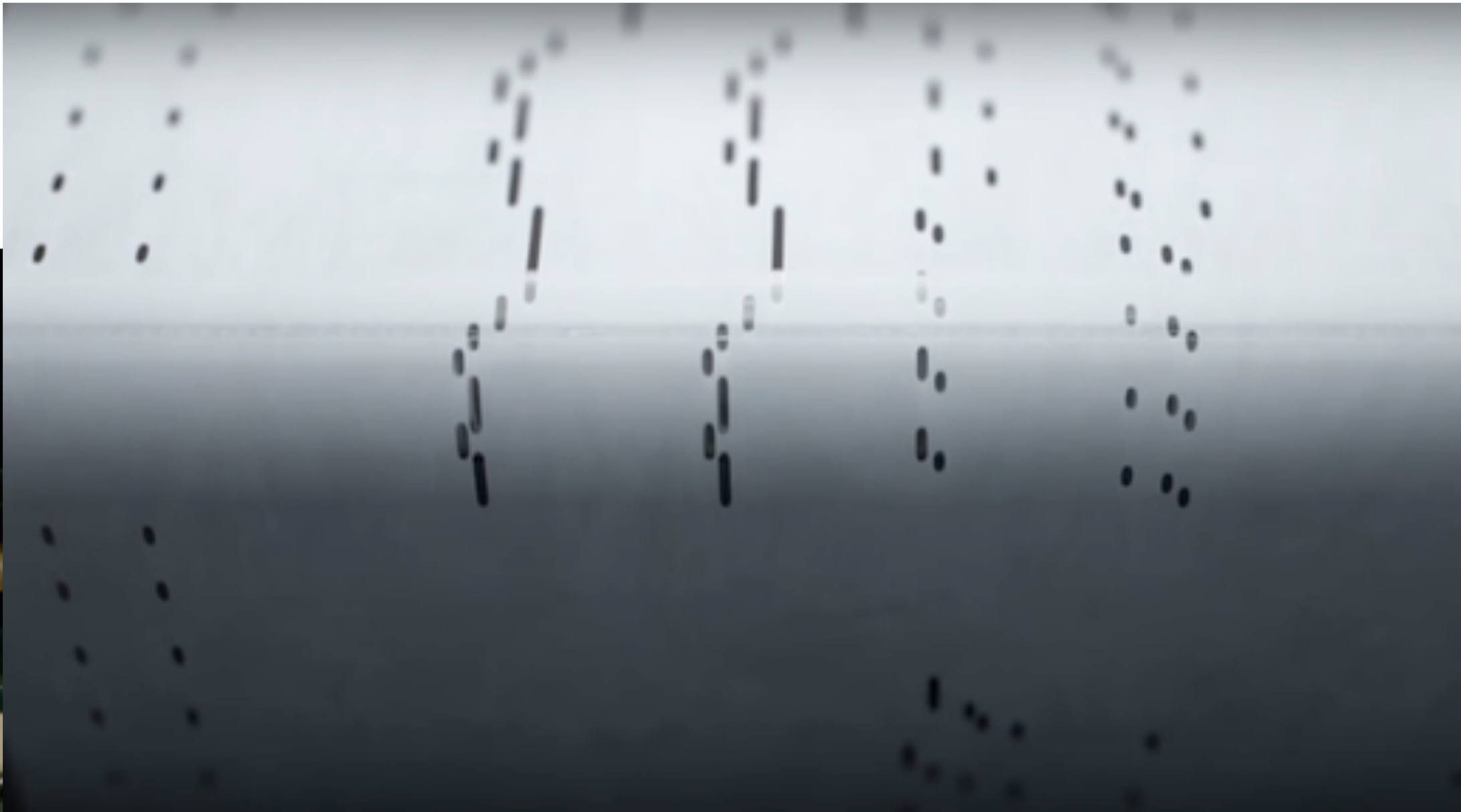
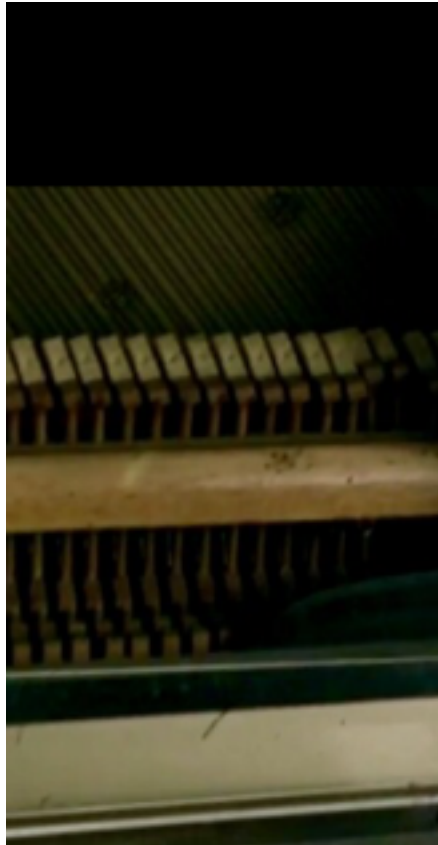
Пару плюсов

- Проблема остановки
- Алгоритмическая сложность

Пару плюсов

- Проблема остановки
- Алгоритмическая сложность
- Помог появлению ЭВМ

**Что такое «полнота
по Тьюрингу»?**



**Тьюринг машина способна
на универсальные
вычисления**

Matthew Cook - 1998

RULE 110

current pattern	111	110	101	100	011	010	001	000
new state for center cell	0	1	1	0	1	1	1	0

[illegible]

```
input {  
    float: left;  
}
```

```
input::before {  
    content: "0";  
    padding-left: 11px;  
}
```

```
input:nth-of-type(3n+1) {  
    clear: left;  
}
```

000

000

```
input {  
    float: left;  
}
```

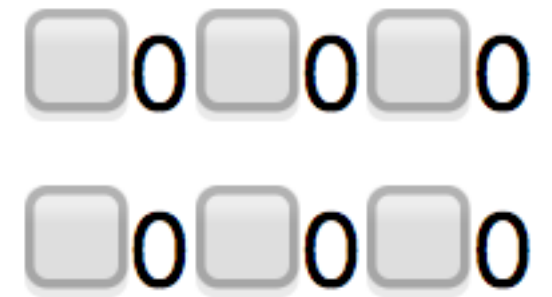
```
input::before {  
    content: "0";  
    padding-left: 11px;  
}
```

```
input:nth-of-type(3n+1) {  
    clear: left;  
}
```

1 1 0 -> 1

☐0☐0☐0
☐0☐0☐0

1 1 0 -> 1



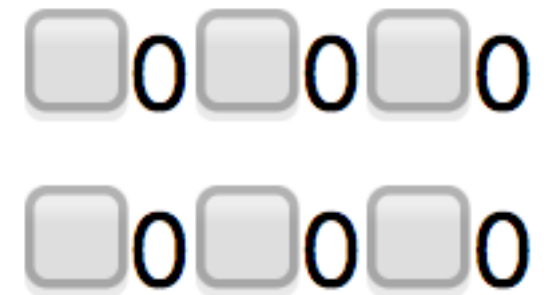
```
input::before {  
    content: "1";  
}
```


1 1 0 -> 1

☐0☐0☐0
☐0☐0☐0

```
input: checked +  
input: checked +  
input: not( : checked) +  
input::before {  
    content: "1";  
}
```

1 1 0 -> 1



```
input:checked +  
input:checked +  
input:not(:checked) +  
* + input::before {  
    content: "1";  
}
```

1 1 0 -> 1

<input checked="" type="checkbox"/>	0	<input checked="" type="checkbox"/>	0	<input type="checkbox"/>	0
<input type="checkbox"/>	0	<input type="checkbox"/>	1	<input type="checkbox"/>	0

```
input:checked +  
input:checked +  
input:not(:checked) +  
* + input::before {  
    content: "1";  
}
```

Turing machine →

2-tag system →

cyclic tag system →

Rule 110

Алгоритмы любой сложности

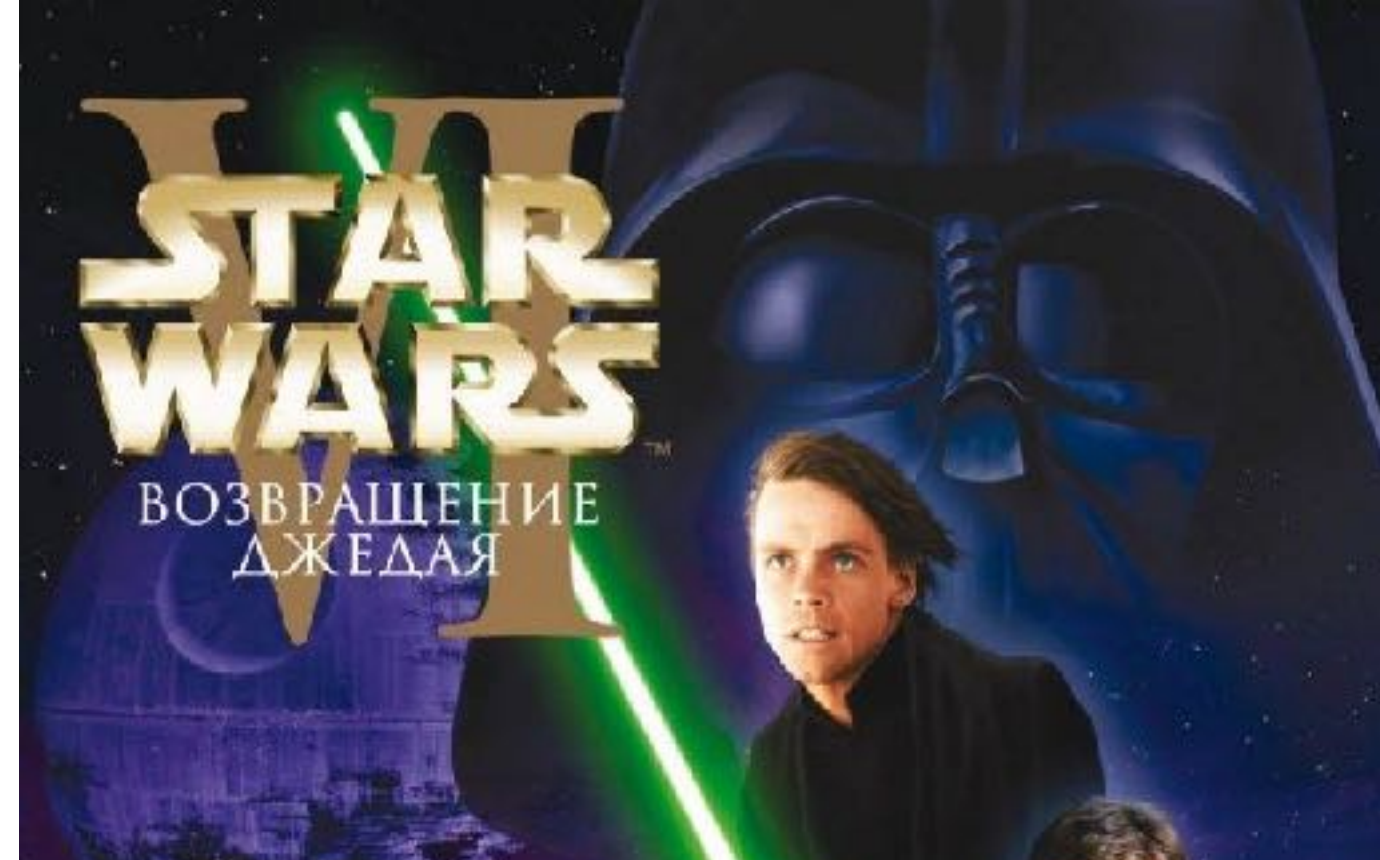
- HTML

Алгоритмы любой сложности

- HTML
- CSS

Алгоритмы любой сложности

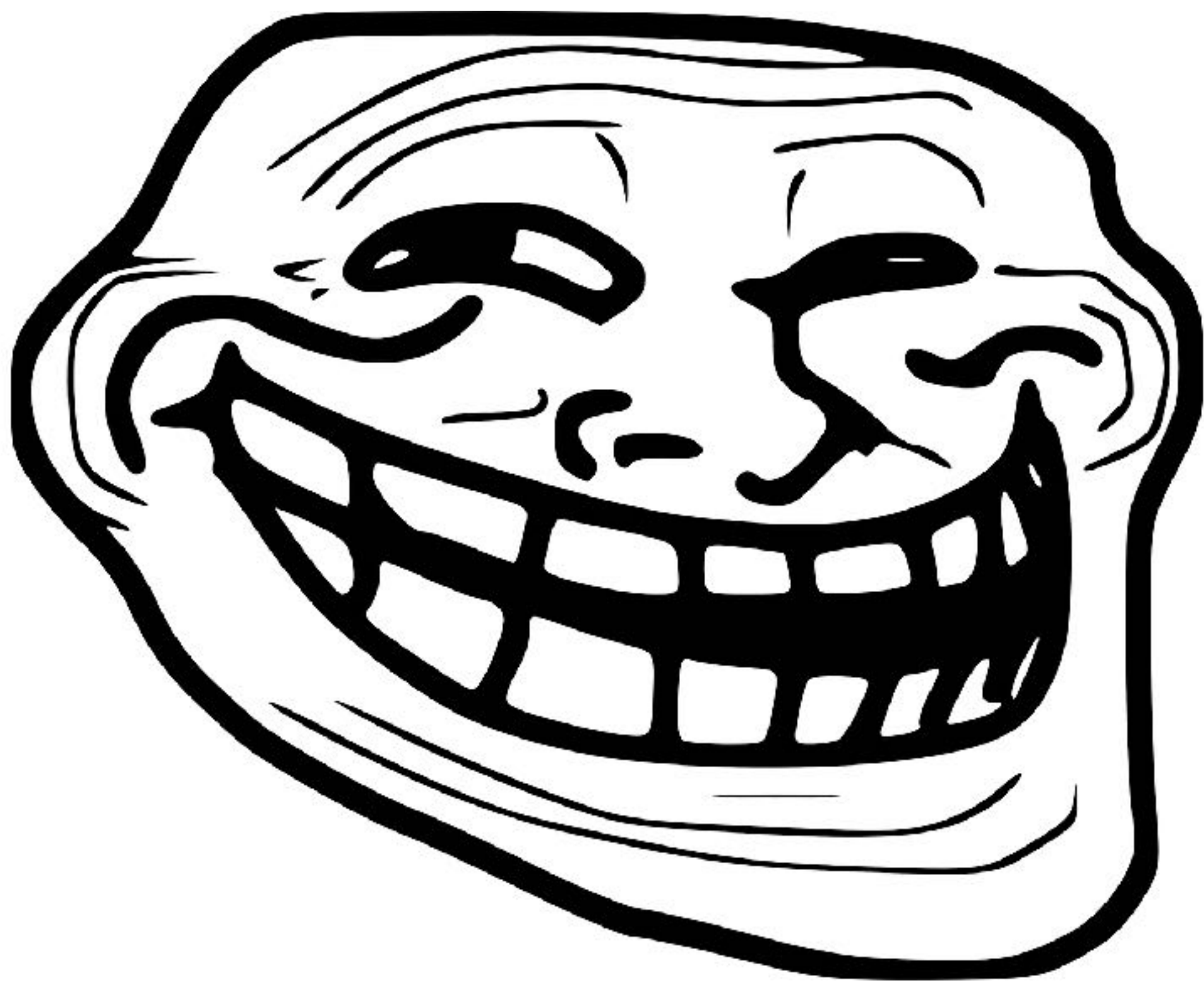
- HTML
- CSS
- Пользовательский ввод



RETURN OF JEDI



**То-есть я могу искать
работу как CSS/HTML
программист?**



**HTML/CSS - не является
языком программирования
общего использования**

Проблемы

- Пользовательский ввод

Проблемы

- Пользовательский ввод
- Большая сложность кода

Проблемы

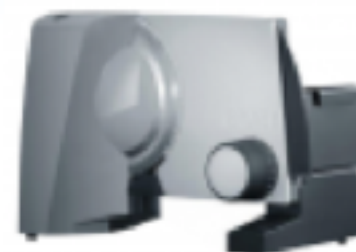
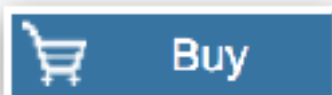
- Пользовательский ввод
- Большая сложность кода
- Отсутствие селекторов для «букв»

**То-есть мы зря с вами
сейчас потратили
время?**



Price: 78.71 €

OnlineShop



Price: 99.58 €

OnlineShop



WMF Kitchenminis

Citas ierīces



Price: 60.94 €

OnlineShop

TEFAL FX 100015

Taukvāres, Tvaikvār..



Price: 109.80 €

OnlineShop

E-mail Shop

personal / family life by offering me the support I need when I need it.

9. My workplace allows me enough time to complete my work without needing to do overtime.

10. My workplace provides me with the resources, tools and support that I need to do my job to the best of my ability.

11. I feel I can manage any stress that may arise at work.

Personal and Professional Growth

In this section, we want to know how you feel about your career development opportunities at work.

Strongly
Agree

Agree

Neutral

Disagree

Strongly
Disagree

Don't
Know

N/A

12. I'm able to fully apply my knowledge and skills to my job.

13. My workplace provides me opportunities for training and professional development.

14. My workplace provides me opportunities for

Email - Survey

У этого есть
будущее?*



* - да, как у Хан Соло

<http://bit.ly/2xcuJmH>

Алексей
Охрименко

Tweeter: @Ai_boy
Gitter: aiboy

