Directions of the web
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Basketball
Emojis: 🐺
https://events.mozilla.org/techspeakers
Let’s look at some old pictures...
Analytical engine by Charles Babbage
Z1 by Konrad Zuse
Turing machine by Alan Turing
Atanasoff-Berry Computer by John Vincent Atanasoff and Cliff Berry
What do all these early computers have in common?
Made in western countries
Writing directions on the web

Unicode Bidirectional Algorithm
Unicode Vertical Text Layout
CSS Writing Modes Level 3
“How did we all get here today? The choices we made, the sheer force of our will, something like that? Here’s another answer... the winds of fate. Random coincidence, some unseen hand just pushing us along. Destiny.”
Fun with flexbox directions

```
@directions .wrapper {
  display: flex;
  flex-wrap: wrap;
  writing-mode: horizontal-tb;
  flex-direction: row;
  width: 100%;
  height: 100%;
}

@directions .box {
  height: 4em;
  width: 4em;
  border: 1px solid;
}
```
Changing directions with grid
(also density of packing)

```css
.autoflow {
  display: grid;
  grid-template-columns: repeat(auto-fit, minmax(120px, 1fr));
  grid-auto-rows: 120px;
  grid-auto-flow: row;
}

.autoflow__item:nth-child(3n) {
  background-color: #4abc41;
}
```
All the directions

- LTR
- RTL
- horizontal-lt
- vertical-rl
- vertical-lr
- sideways-lr
- wrap
- wrap-reverse
- row
- row-reverse
- column
- column-reverse

$2 \times 4 \times 2 \times 4 = 64$
Thank you!

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Font used is Magnetic Pro, by Olivier Gourvat