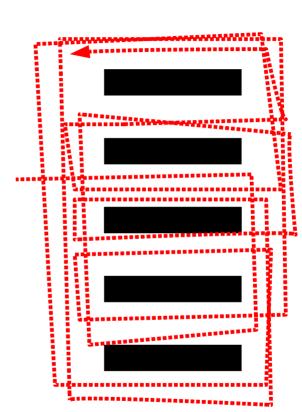
Corn Flakes Bread Body Lotion Oranges Mara Flour Washing Powder Bread rolls ice cream Grapes carrots SOAP



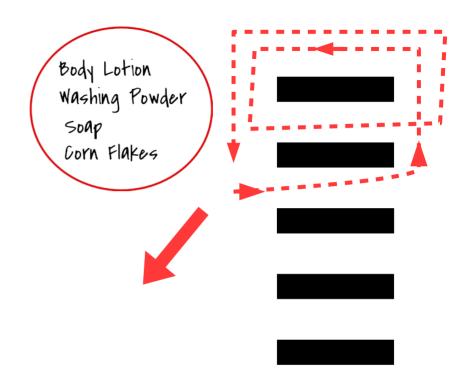
Fruit n veg Bathroom Body Lotion Oranges grapes carrots Kitchen Dairy Washing Powder Marg SOAP ice cream Bread n bake Breakfast Flour Corn Flakes Bread rolls Bread

Fruit n veg Oranges Grapes Carrots Dairy Marg ice cream Bread n bake Flour Bread rolls Bread

Body Lotion Washing Powder SOAP Corn Flakes



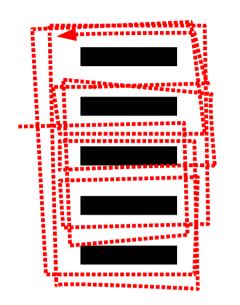


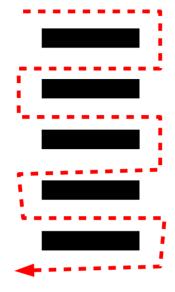




Immediately runs

Not efficient; can run slow





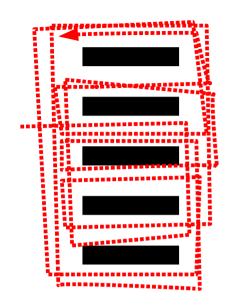
Immediately runs

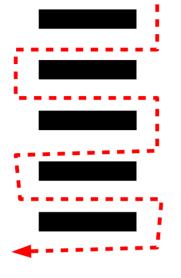
Not efficient; can run slow

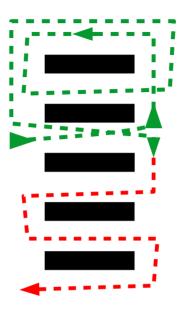
#### Compiler

Delay before running

Runs efficiently







Immediately runs

Not efficient; can run slow

Compiler

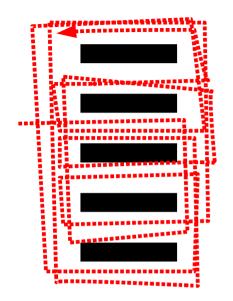
Delay before running

Runs efficiently

#### Just-in-time

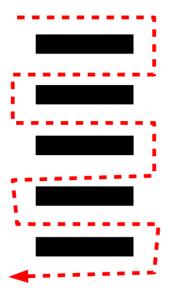
Immediately runs

Runs quite efficiently (2008)



Immediately runs

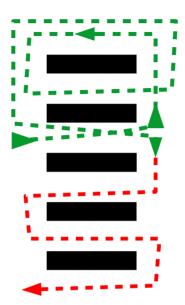
Not efficient; can run slow



### Compiler

Delay before running

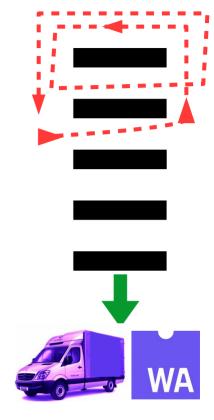
Runs efficiently



#### Just-in-time

Immediately runs

Runs quite efficiently (2008)



## WebAssembly

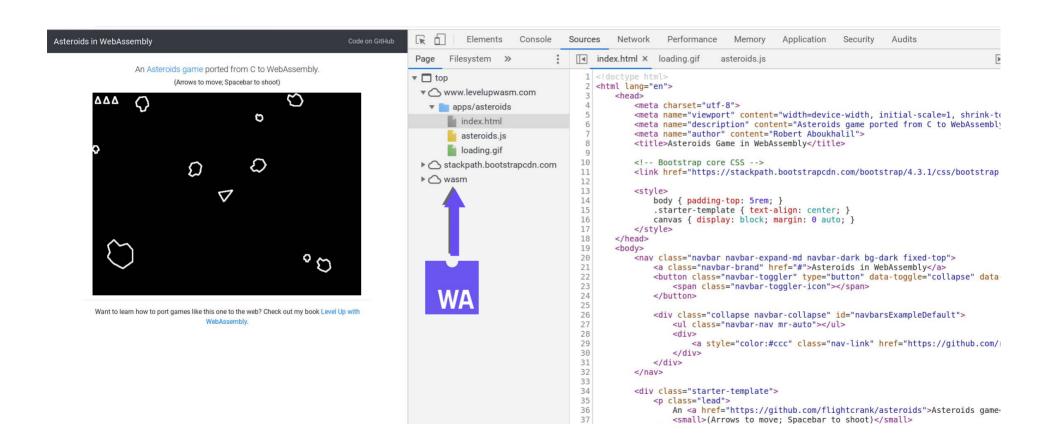
Immediately runs highly efficiently (MVP 2017)

# What is WebAssembly

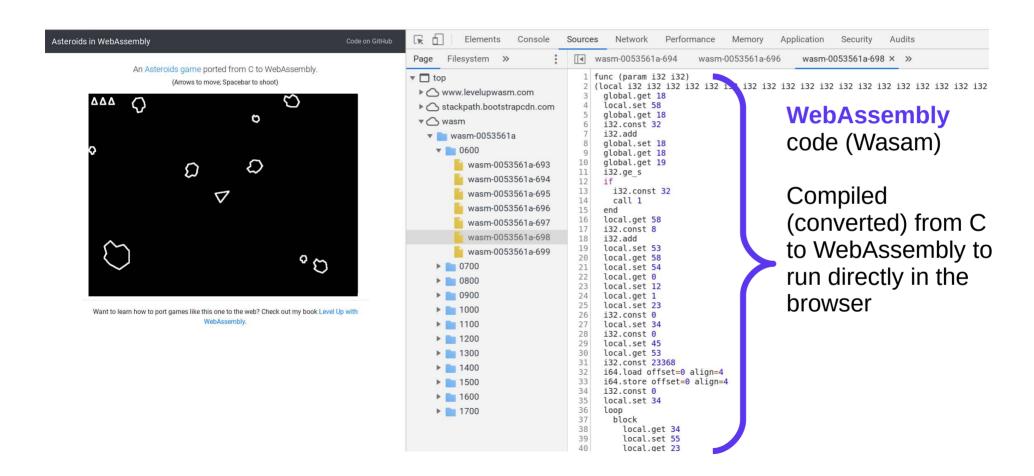
Asteroids in WebAssembly Code on GitHub



# What is WebAssembly

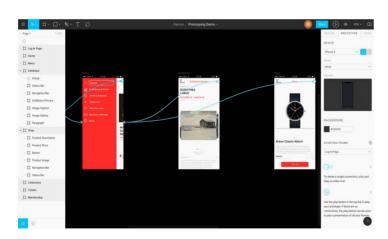


# What is WebAssembly

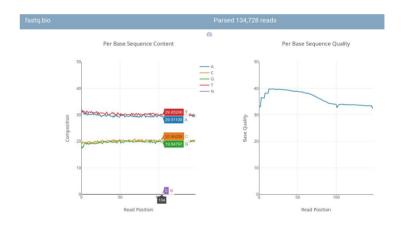


# Why is WebAssembly important?

# Faster than JavaScript



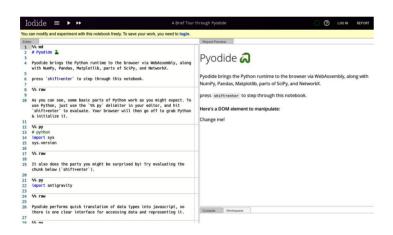
Figma 3X faster



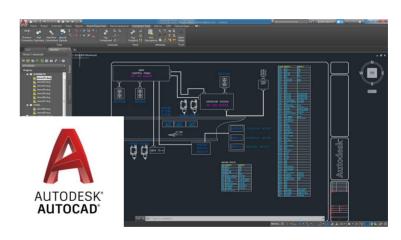
fastq.bio DNA sequencer 20X faster

# Why is WebAssembly important?

# Run established codebase



Pyodide is Python running on the browser via webAssembly for scientific and AI



AutoCAD web version uses identical codebase as desktop - C

## TL;DR

# WebAssembly Code is 'shipped in' via a binary blob

Allows faster execution than JavaScript

Allows established non Javascript code via compiler to run on the web

