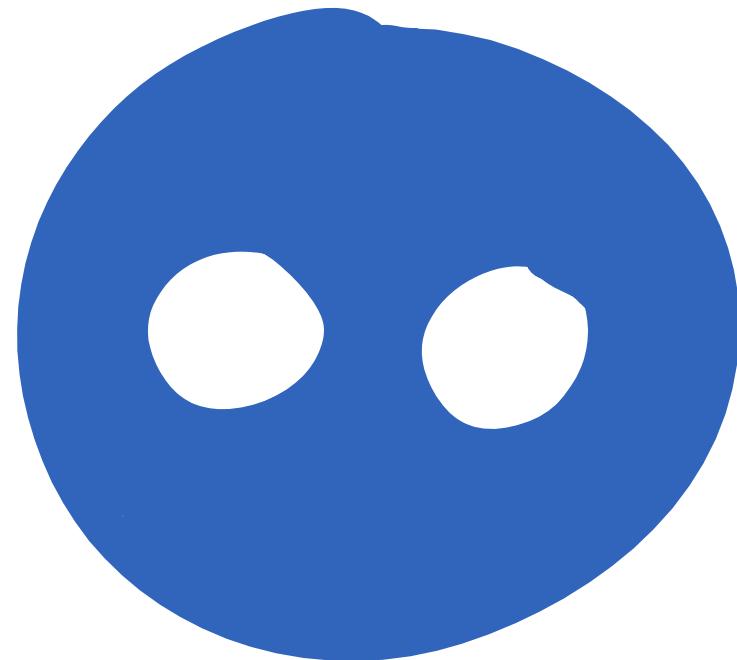
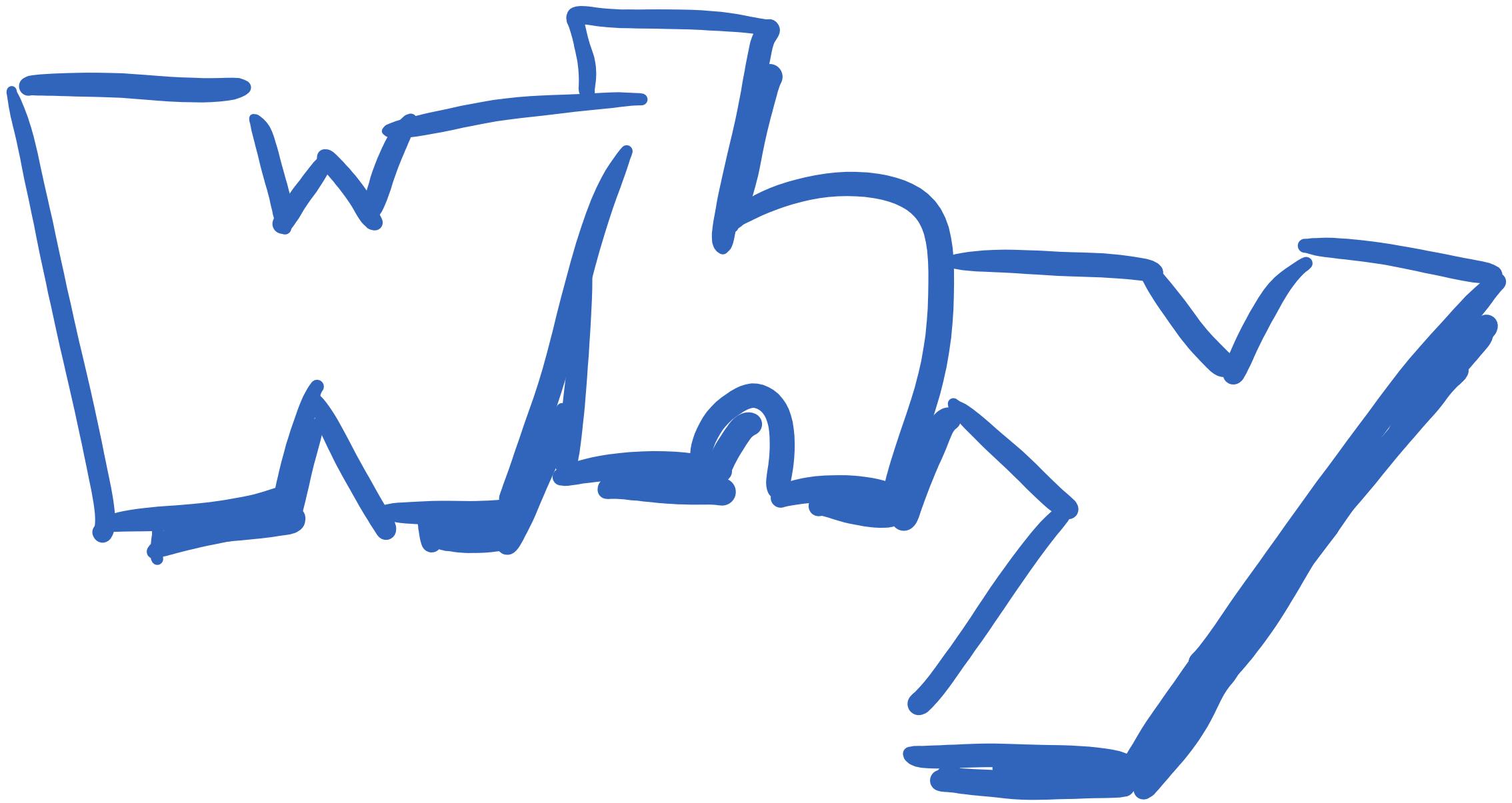
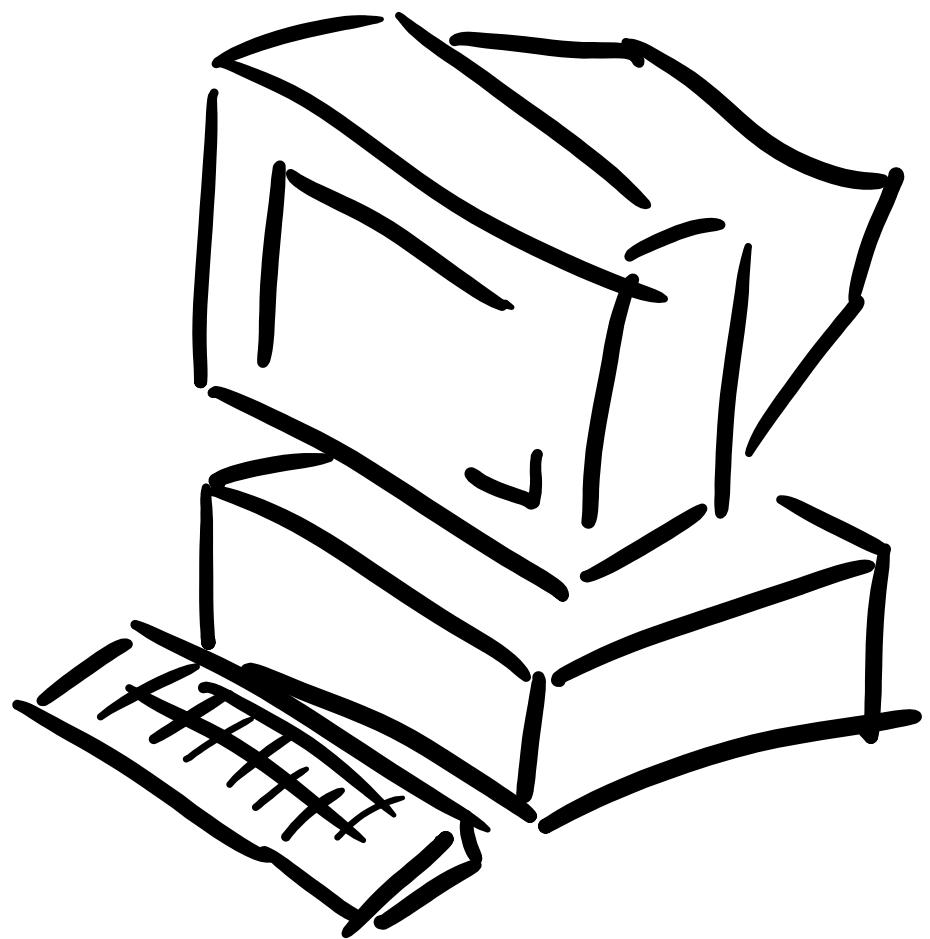
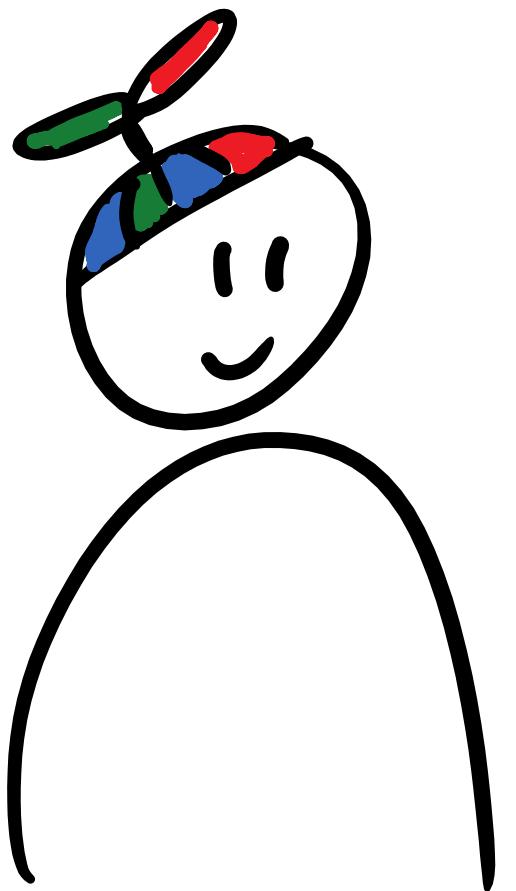
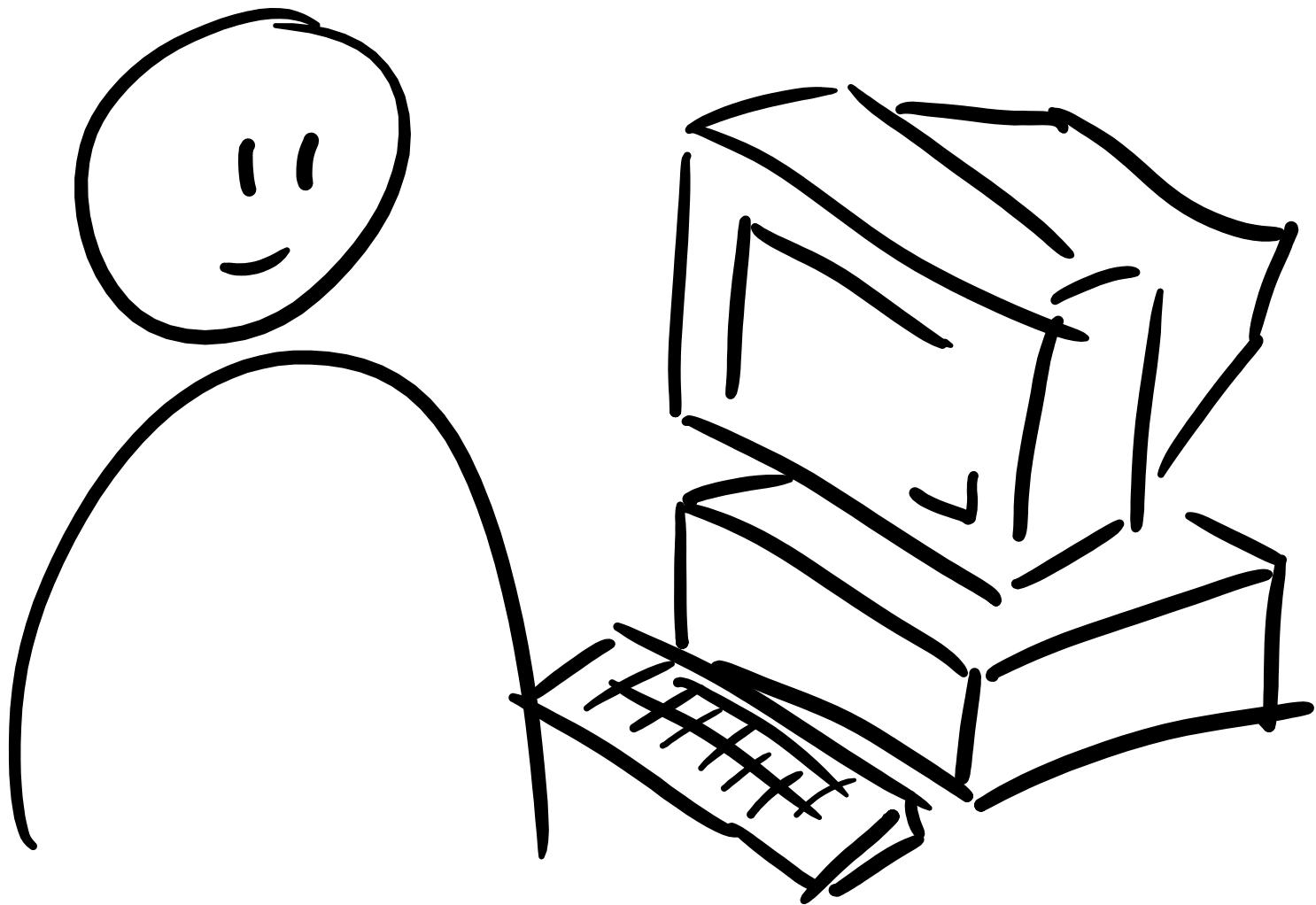


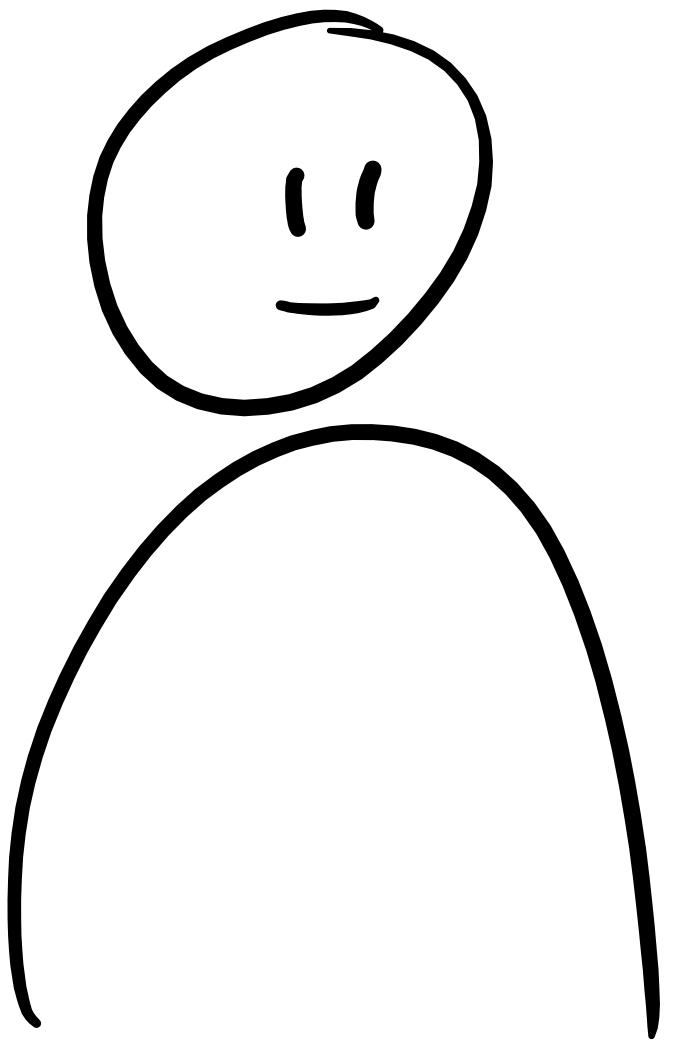
zells







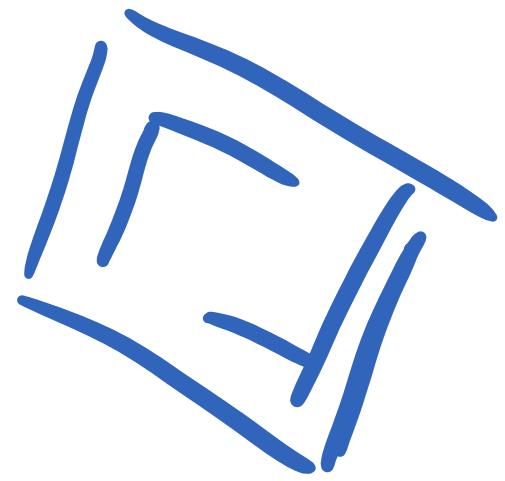
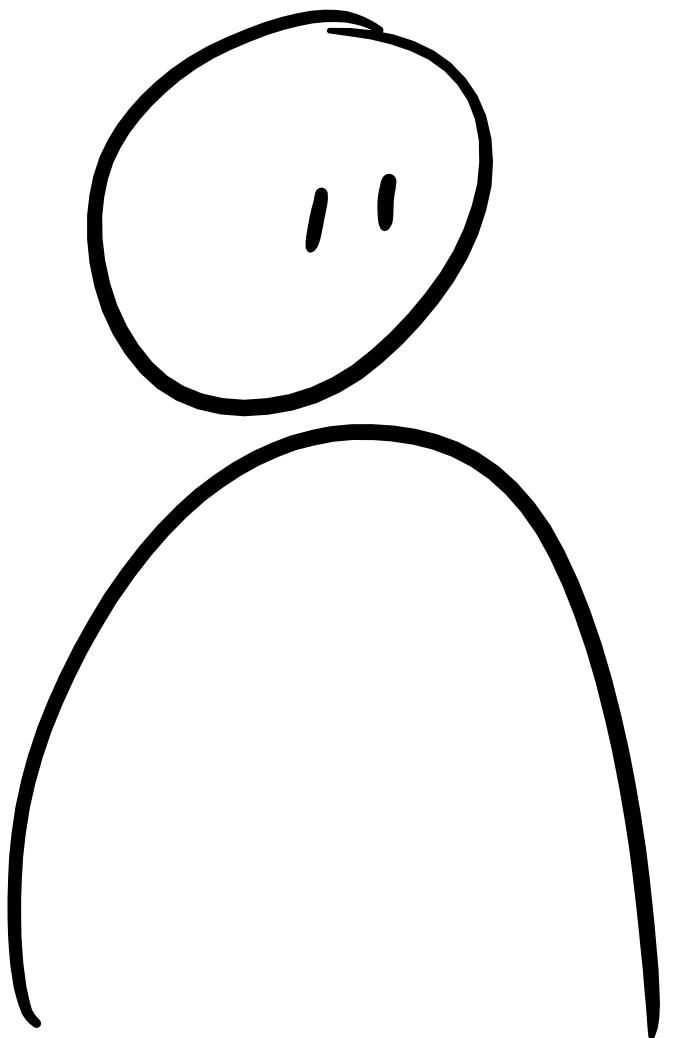


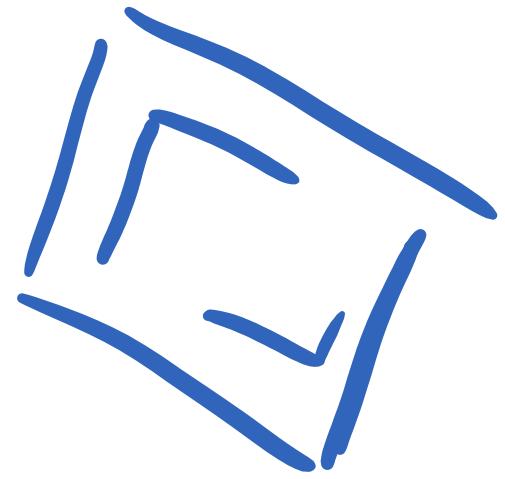
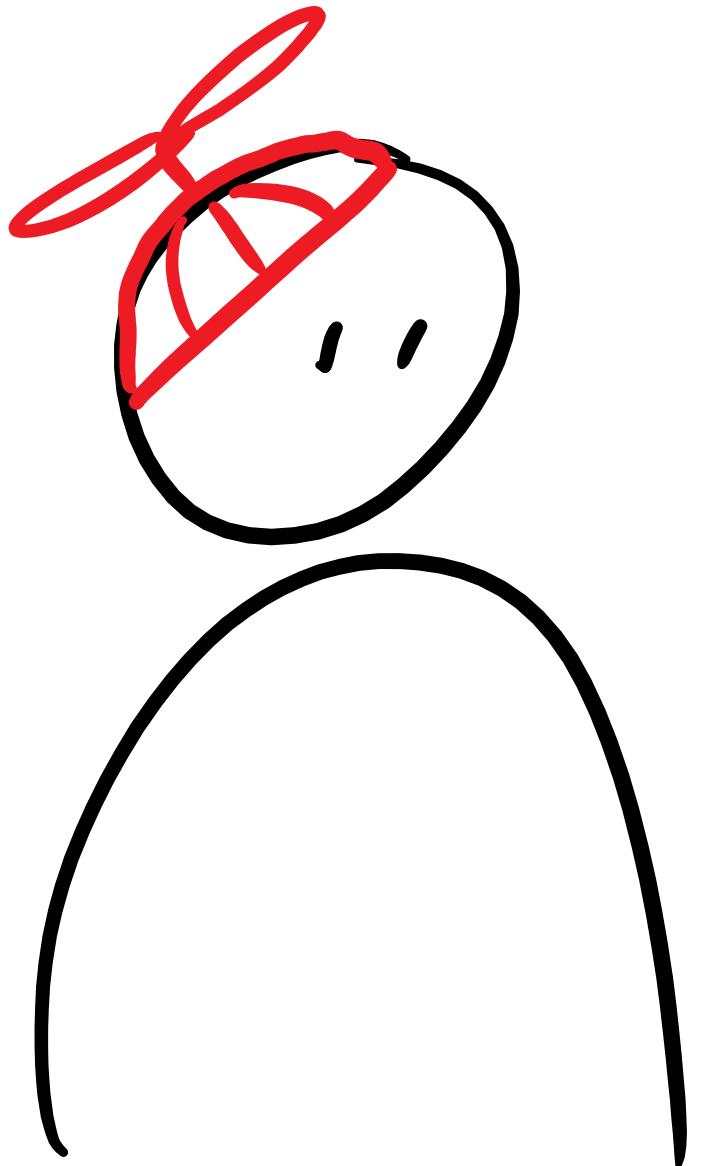






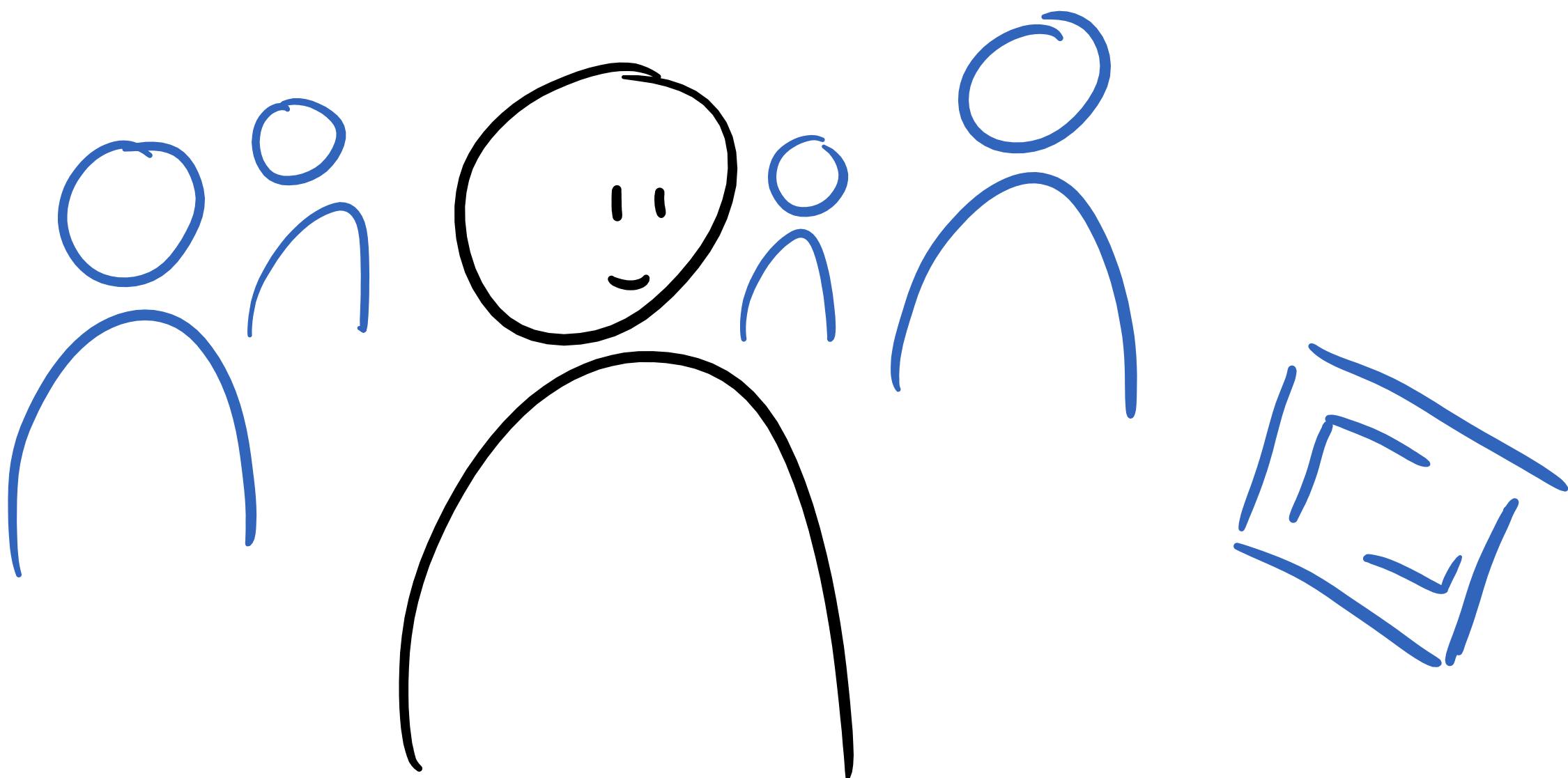


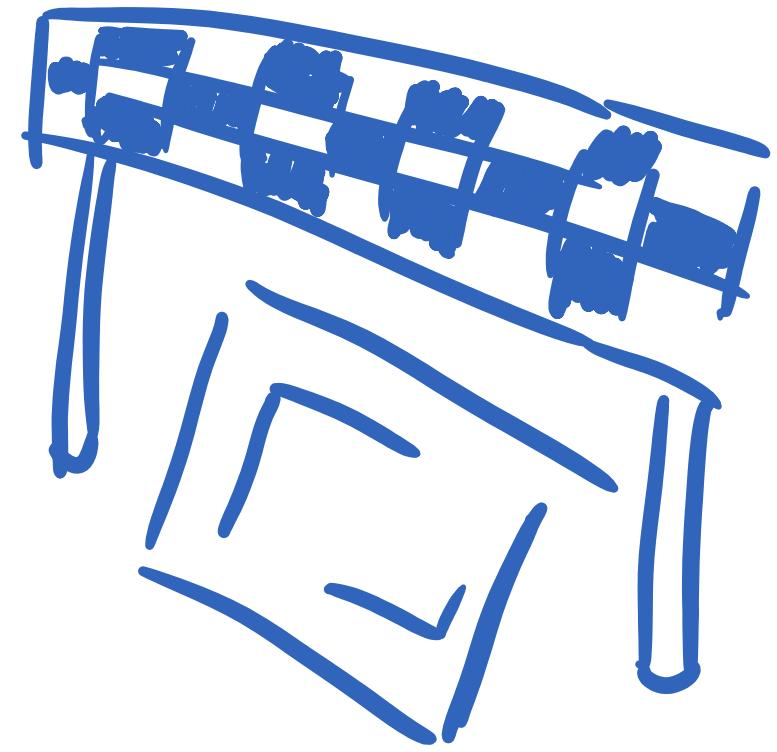
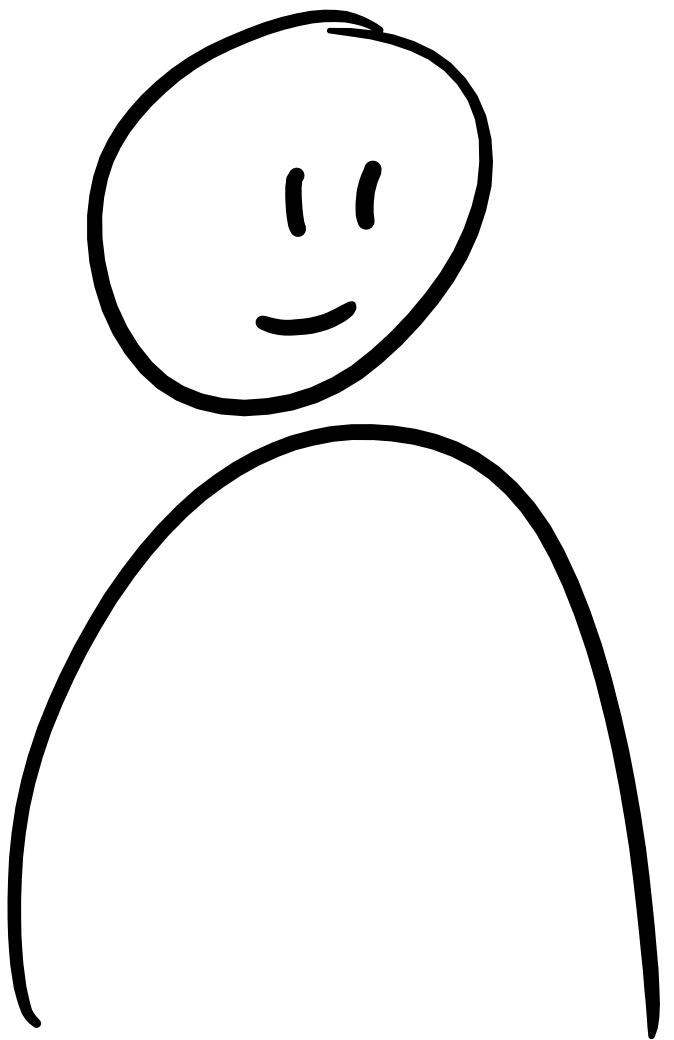


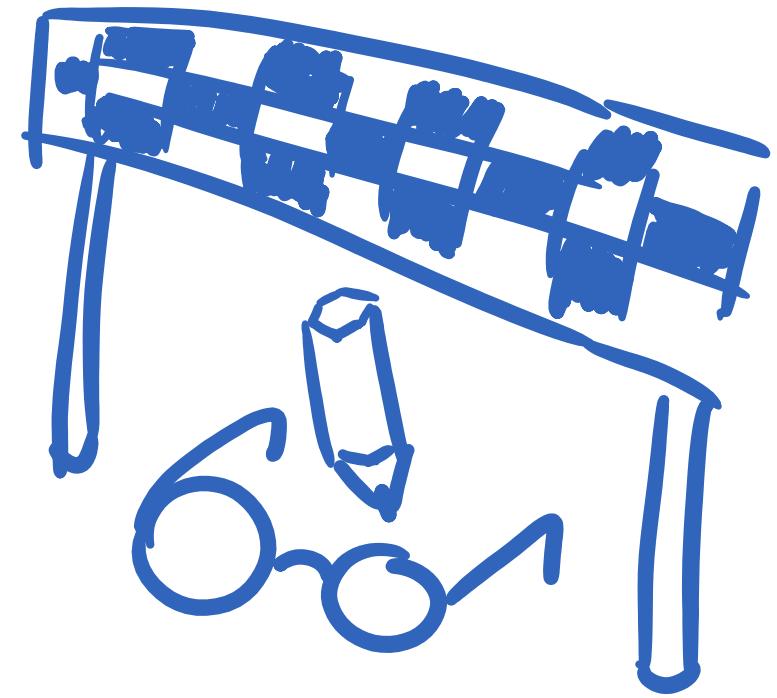
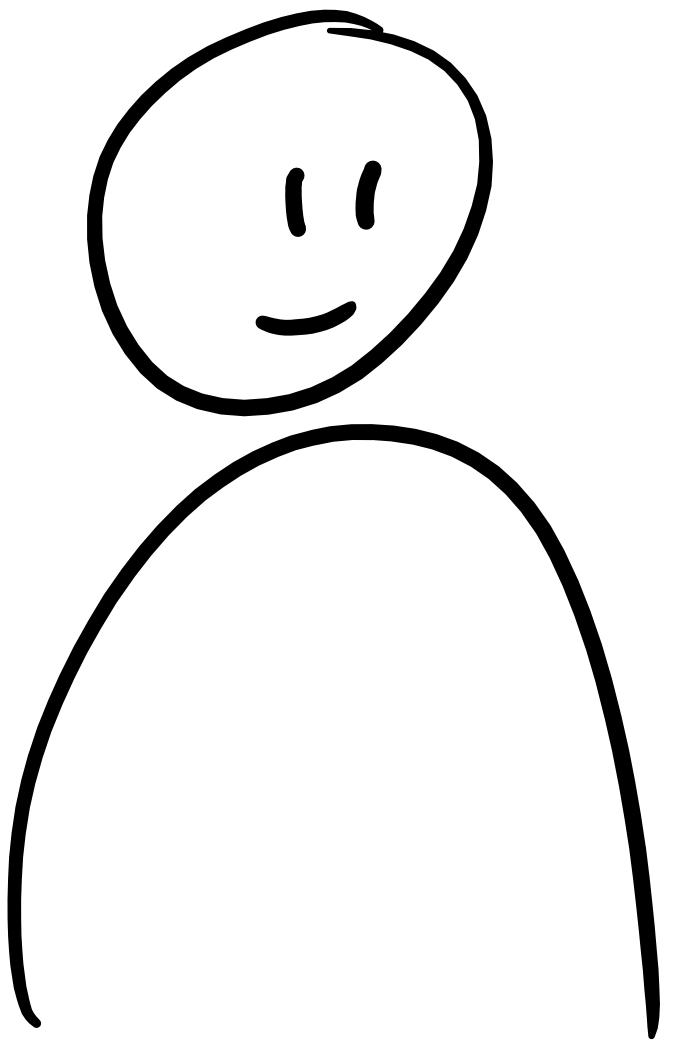


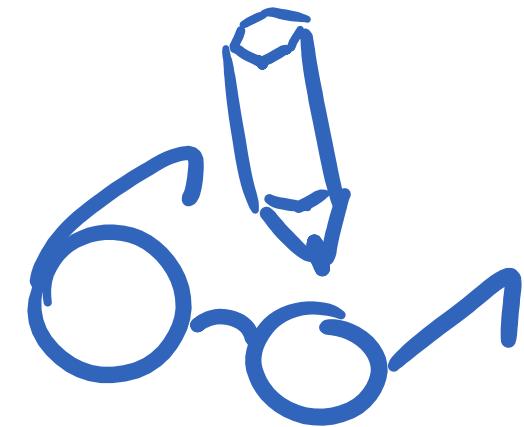
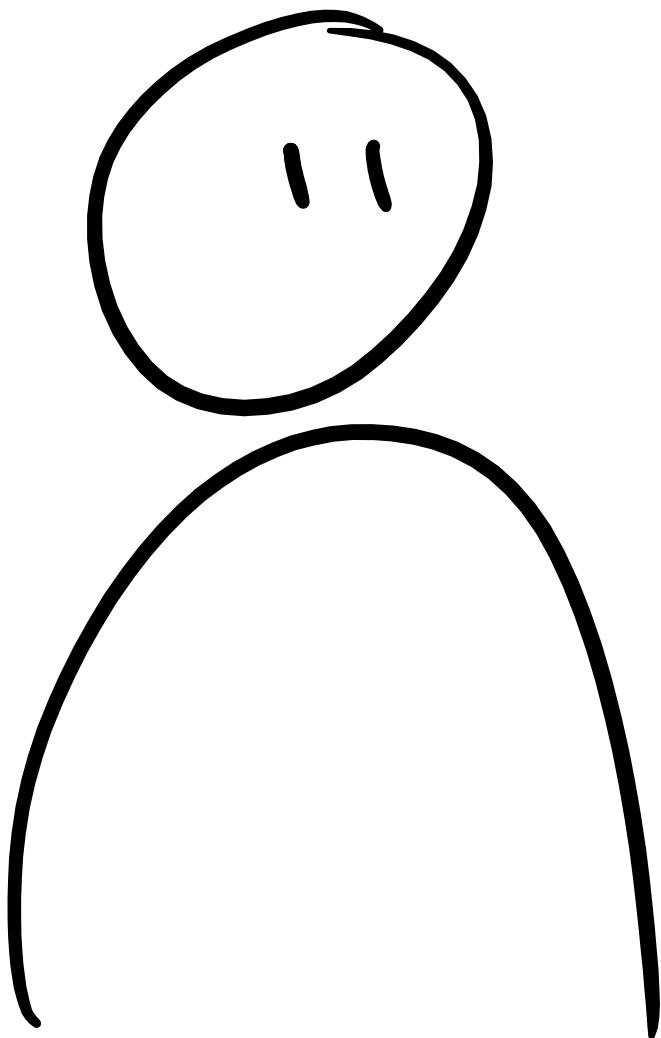


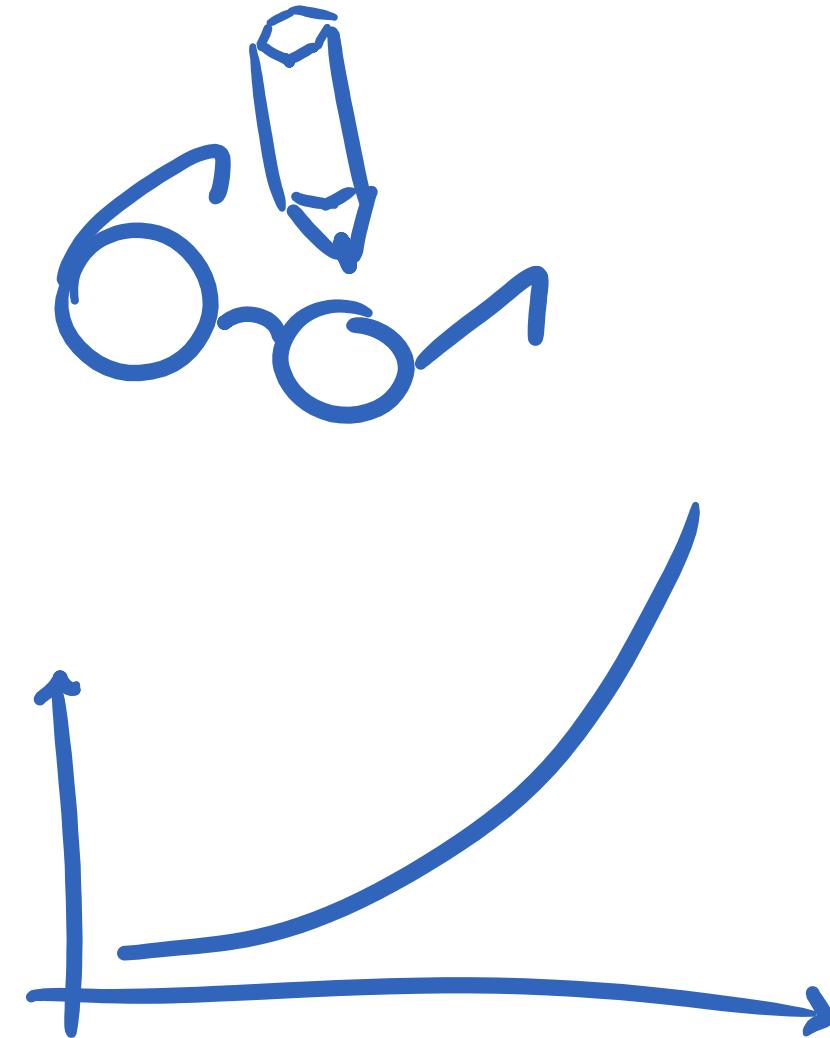
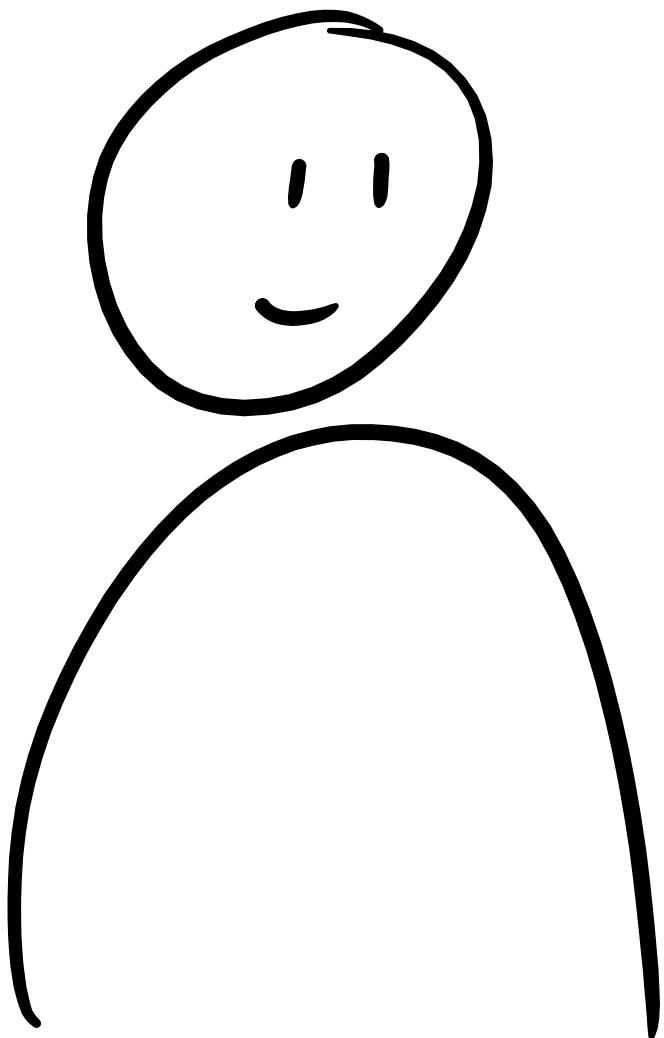














set-up

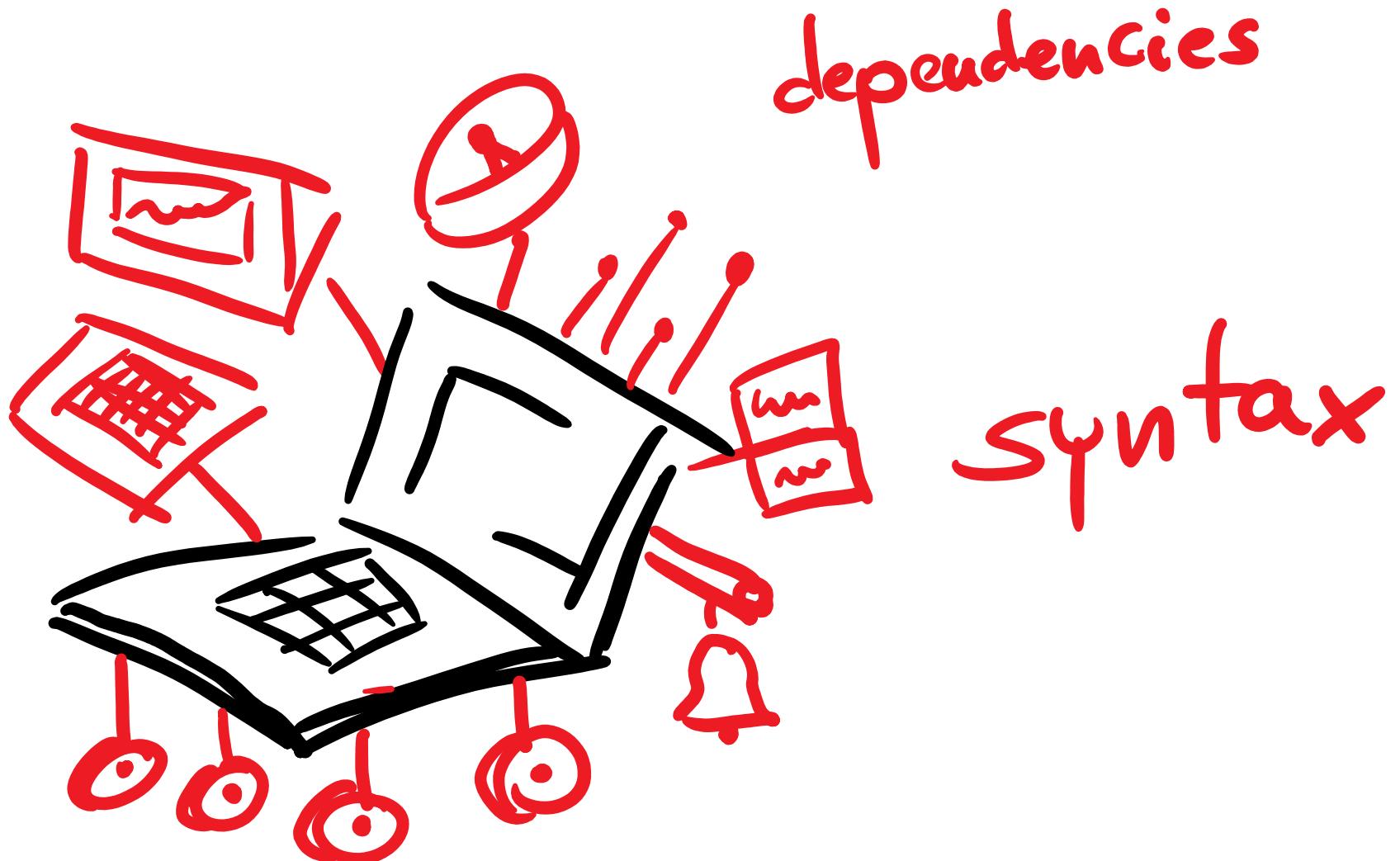


set-up

dependencies



set-up



set-up

API

dependencies

syntax



set-up

API

lack of
interactivity

dependencies

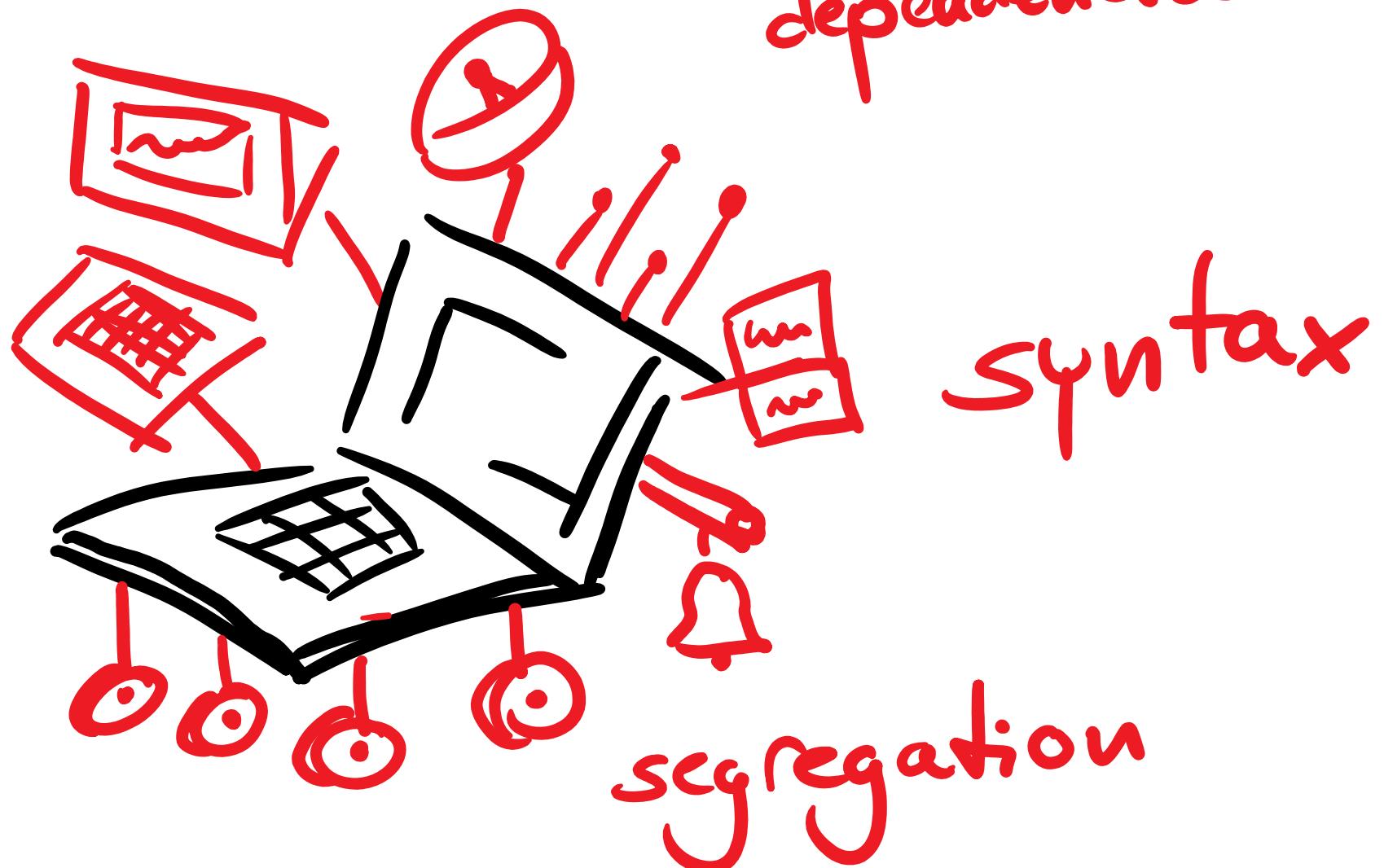
syntax



set-up

API

lack of
interactivity



set-up

API

serialization

lack of
interactivity

dependencies

syntax

segregation



set-up

API

serialization

lack of
interactivity

data safety

dependencies

syntax

segregation



set-up

API

serialization

lack of
interactivity

data safety

sharing

dependencies

syntax

segregation



set-up

API

serialization

lack of
interactivity

data safety

sharing

dependencies

syntax
autonomy

segregation



set-up

API

serialization

lack of
interactivity

data safety

sharing

security

dependencies

syntax
autonomy

segregation



set-up

API

serialization

lack of
interactivity

data safety

sharing
security

dependencies
model

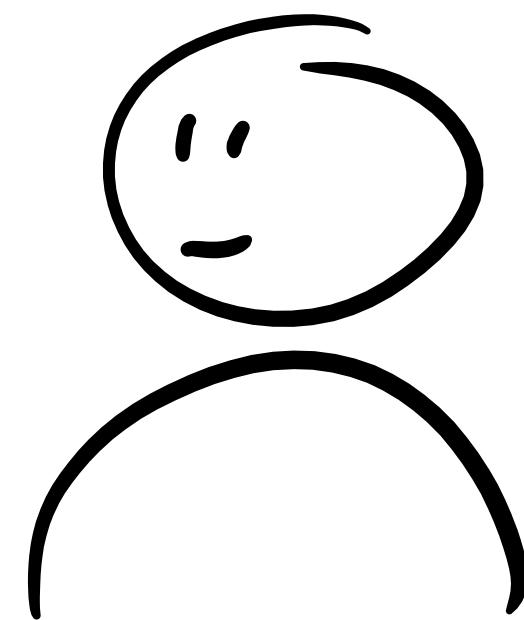
syntax
autonomy

segregation





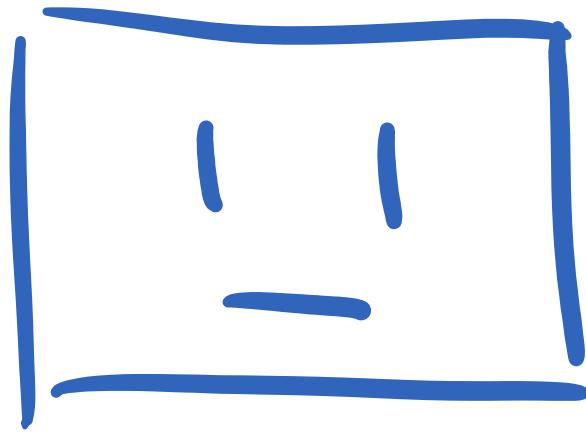


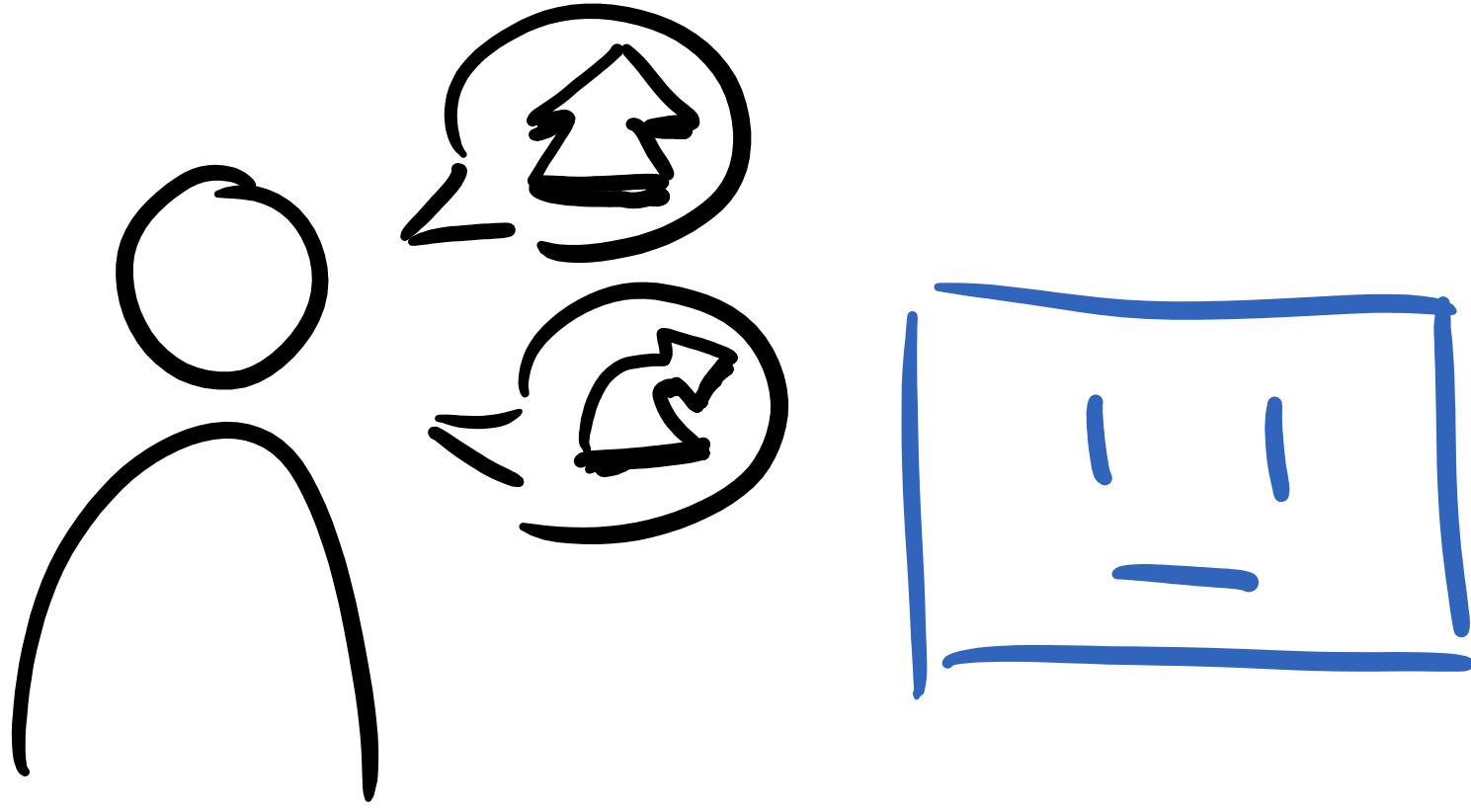


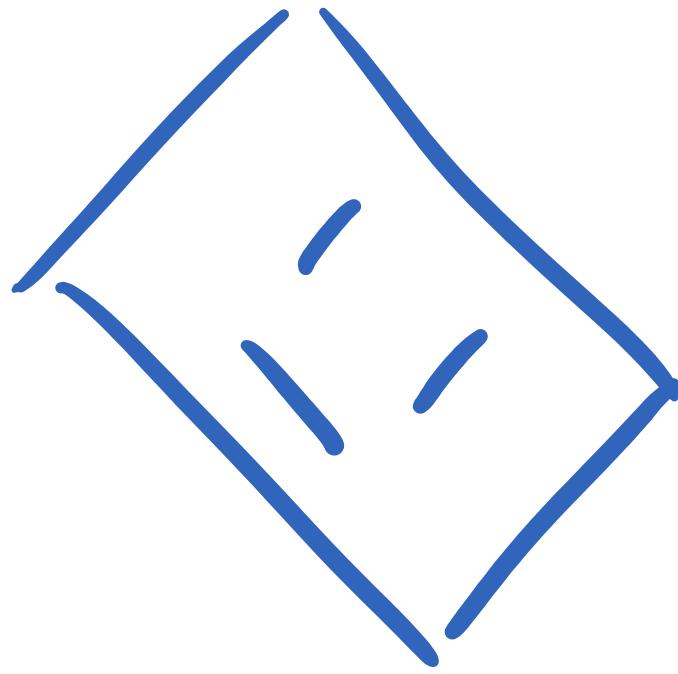
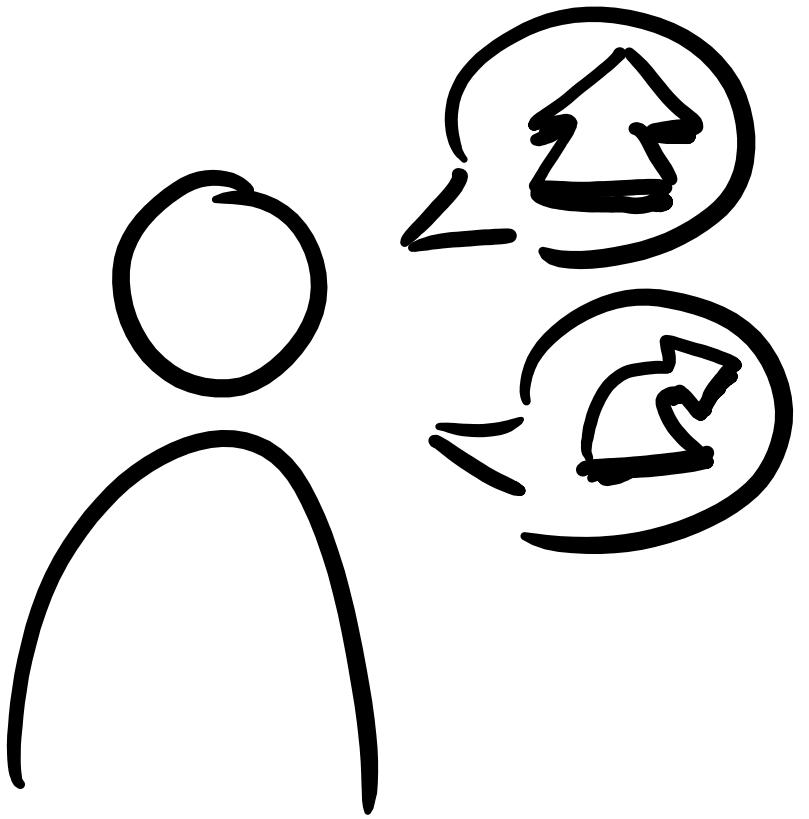


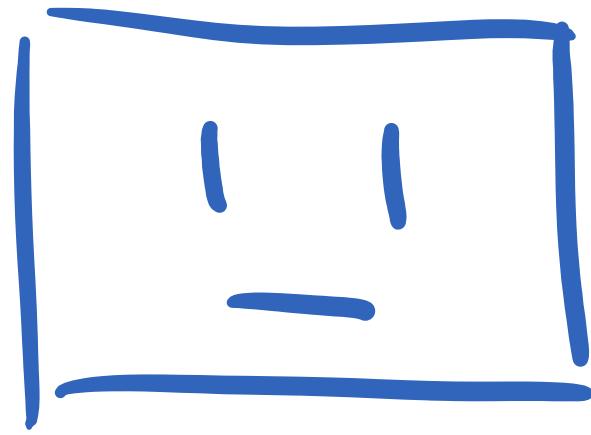
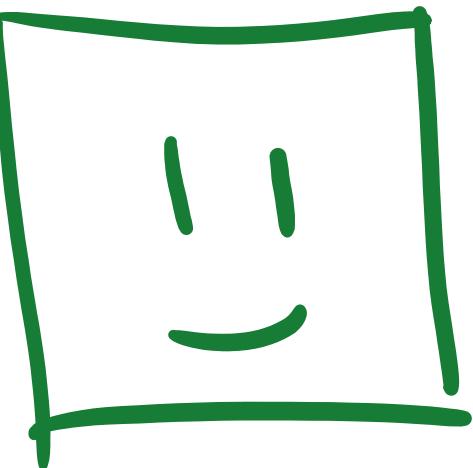
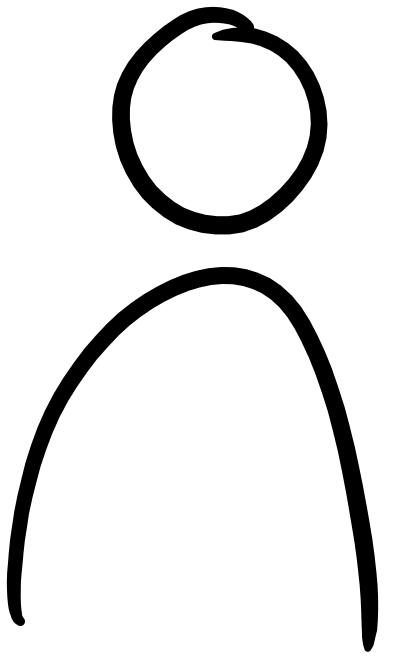
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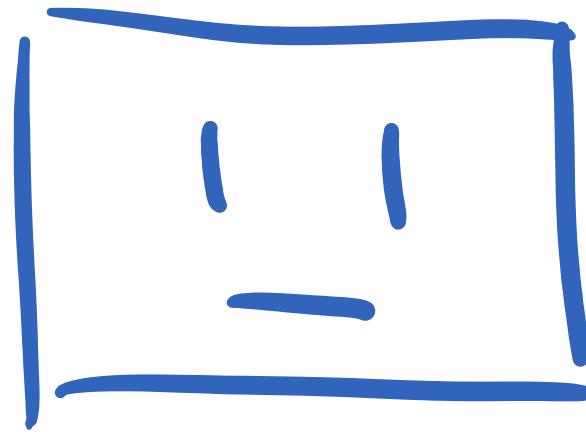
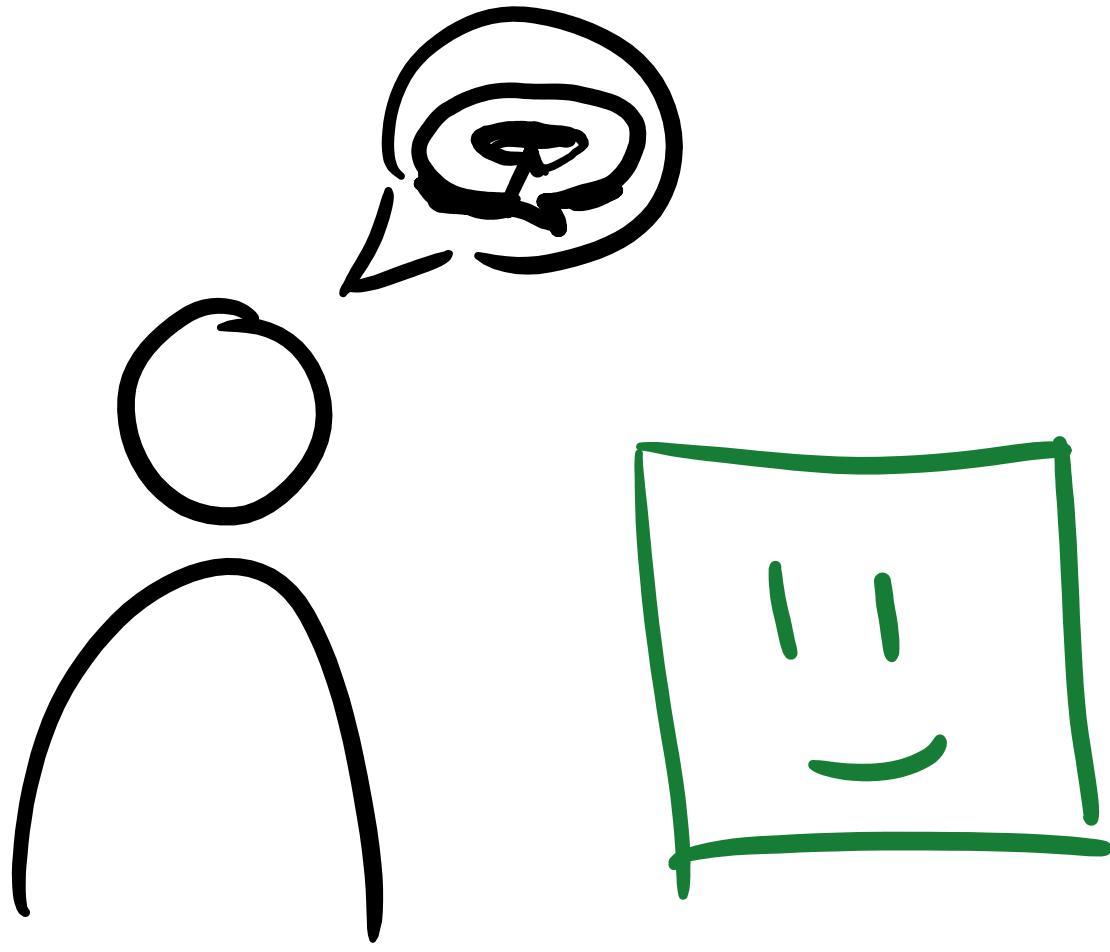


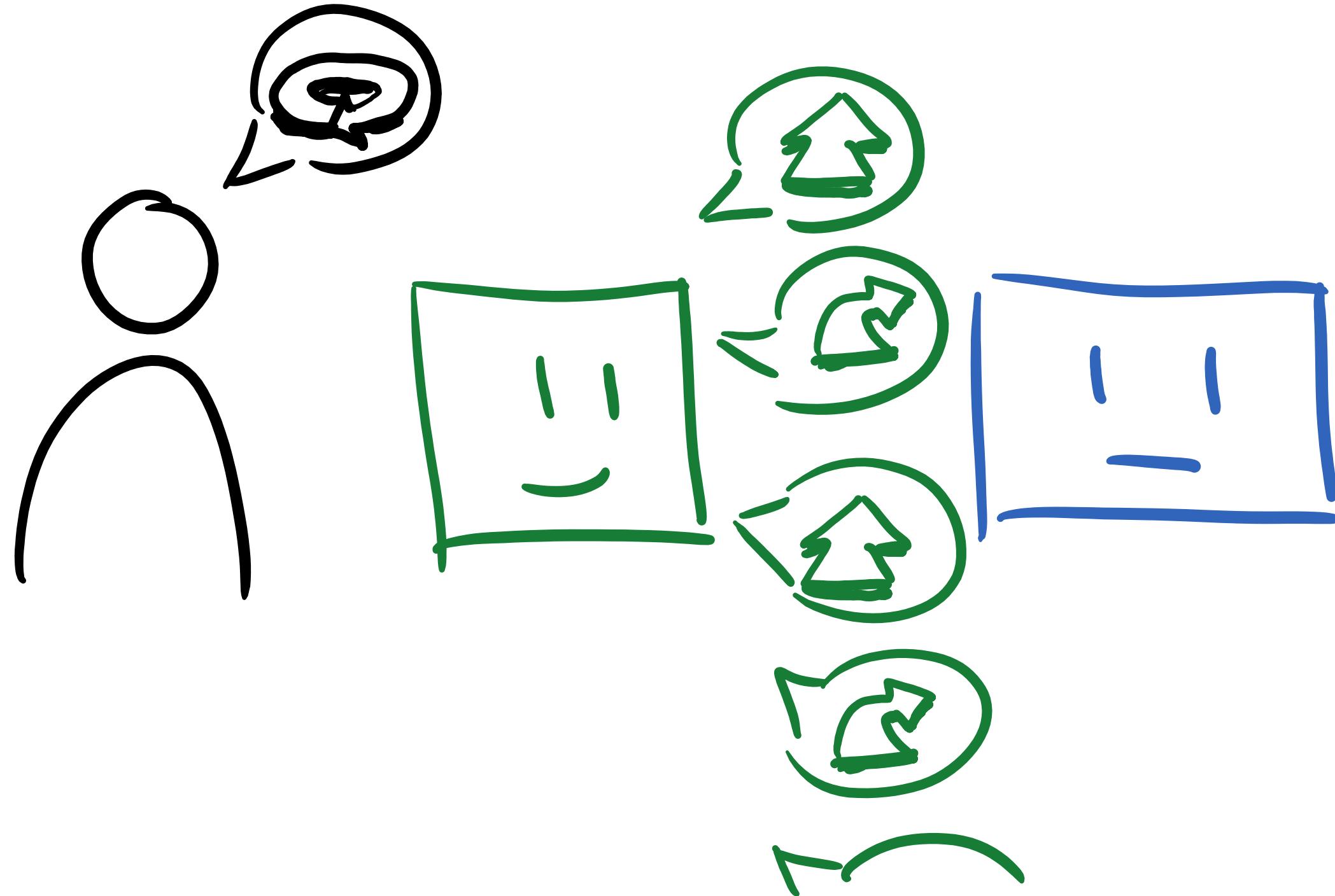


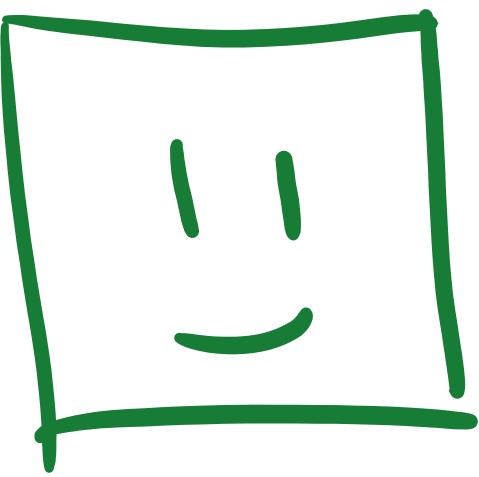




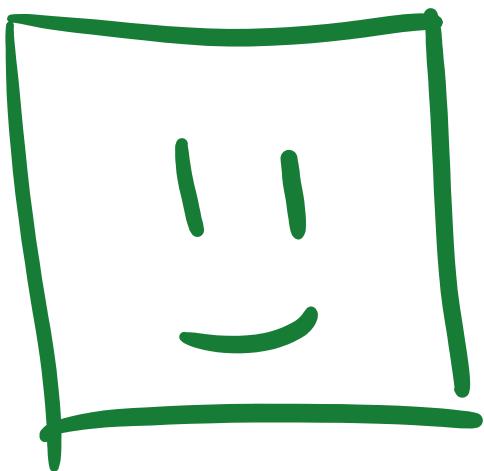






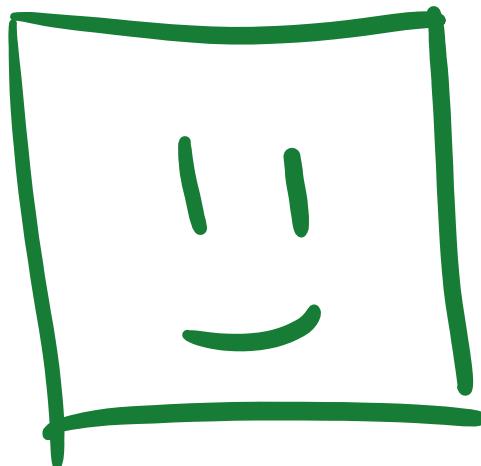


zell

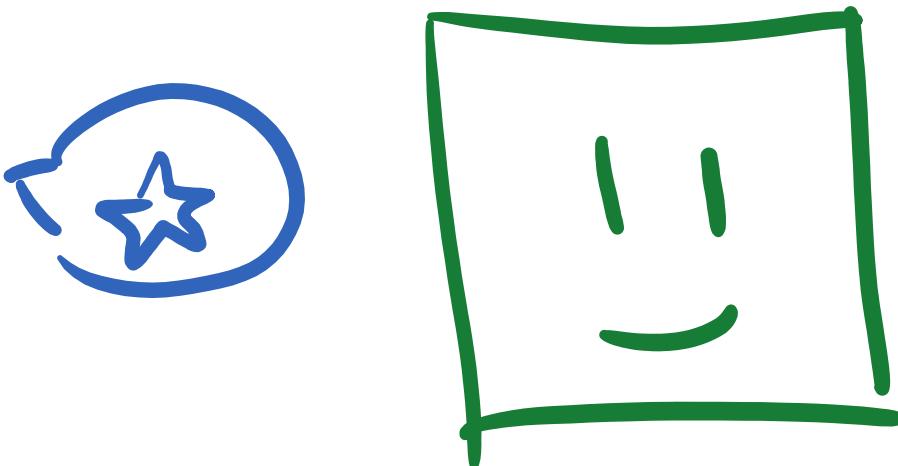


zell

receive

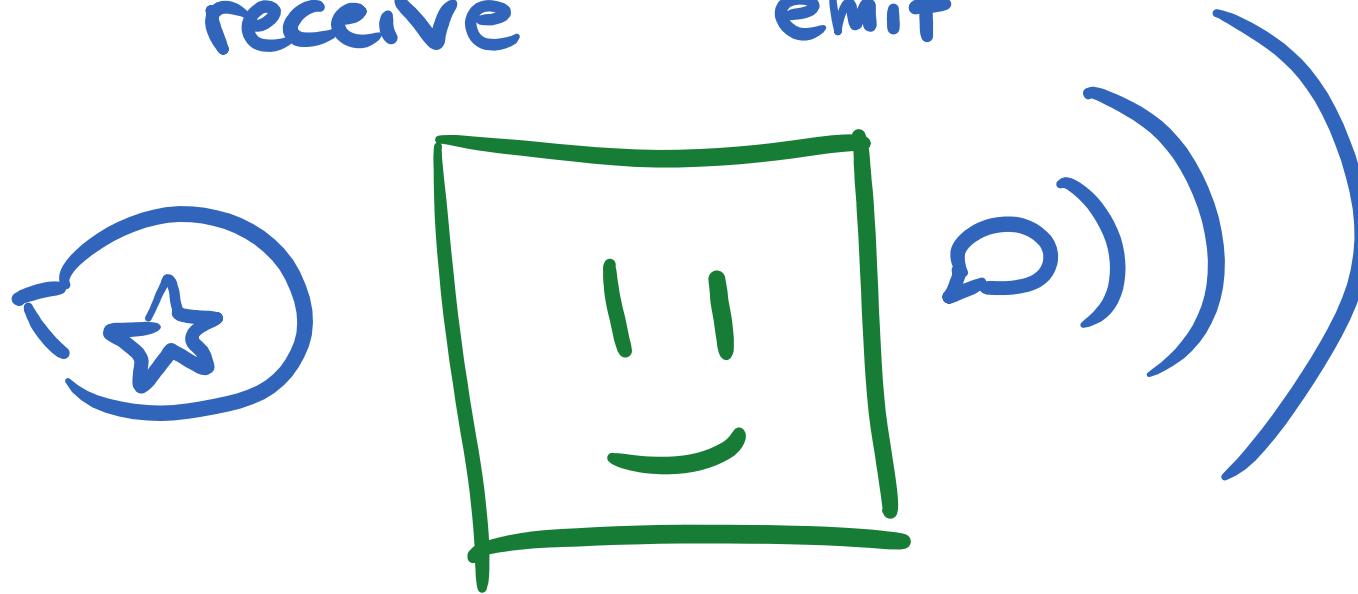


Signal Zell
receive



Signal Zell

receive emit



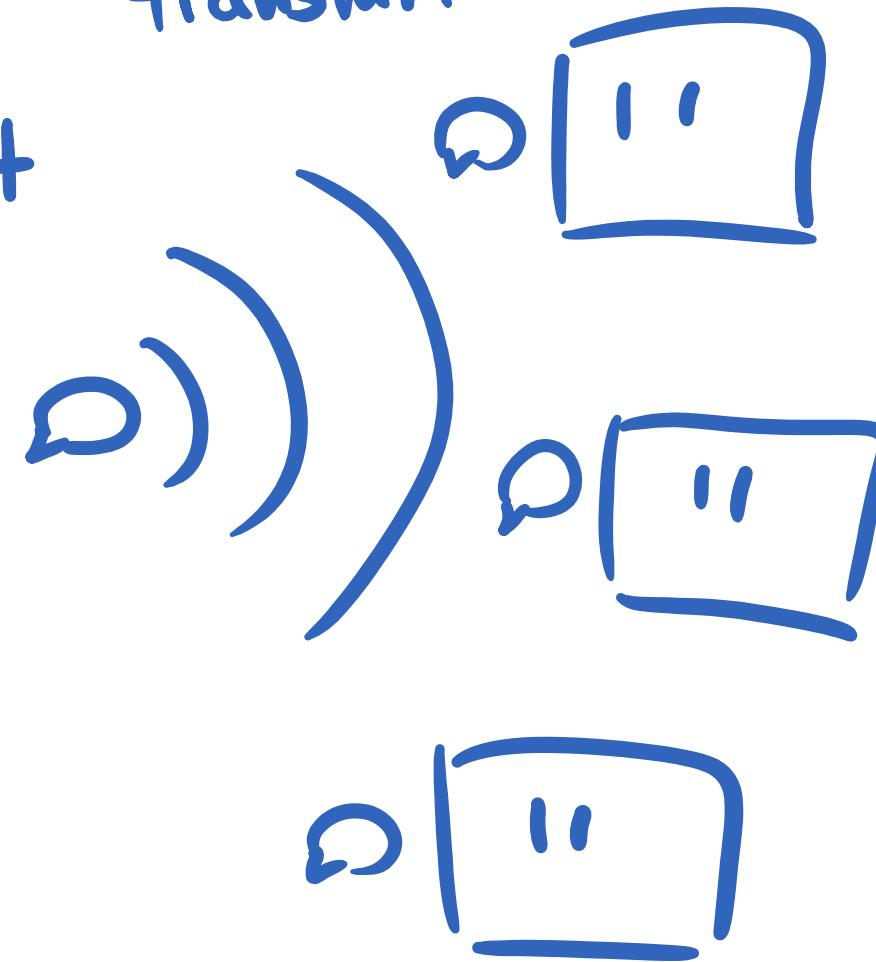
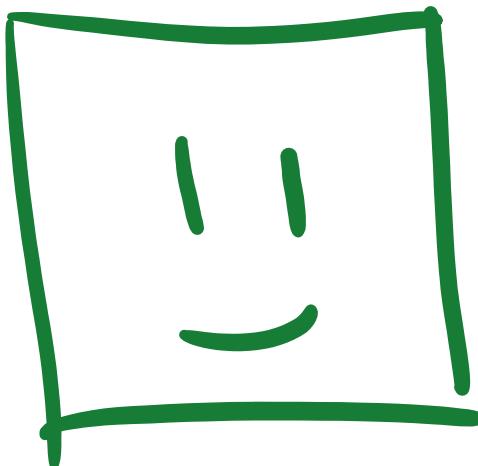
Signal

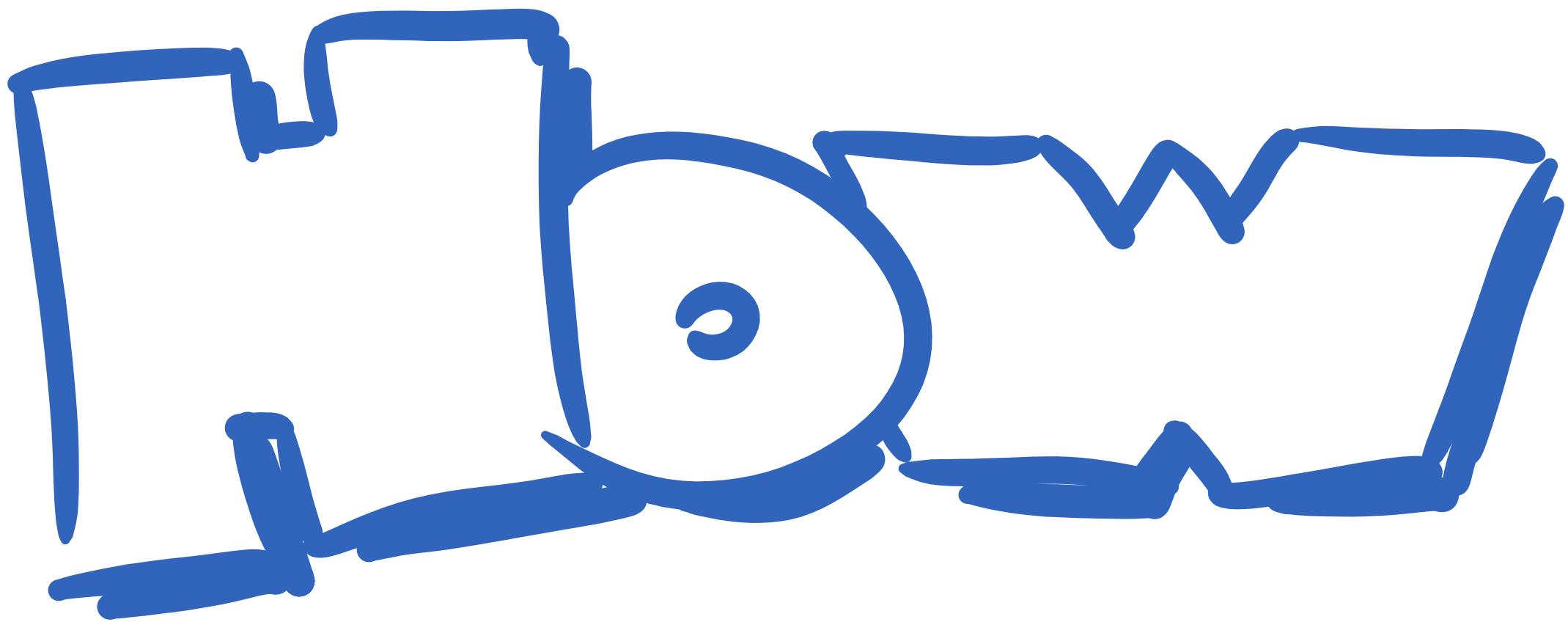
Zell

receive

emit

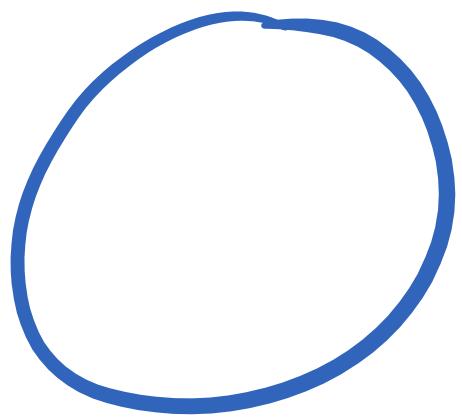
transmit

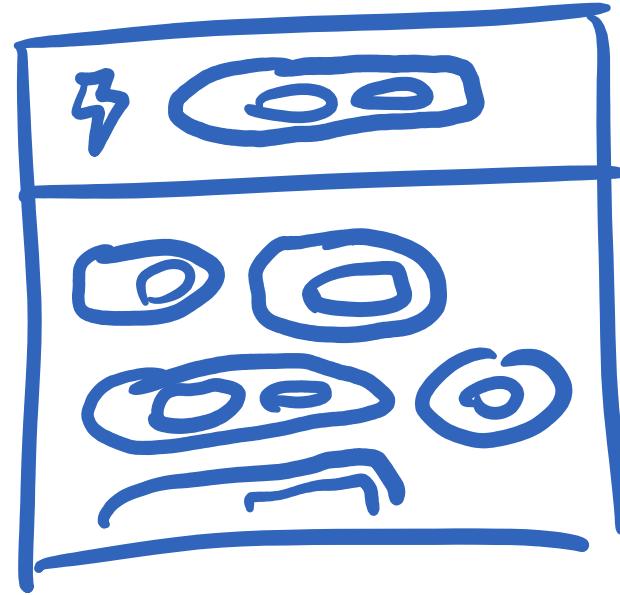
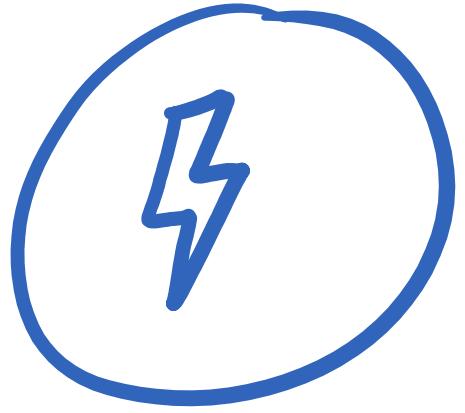


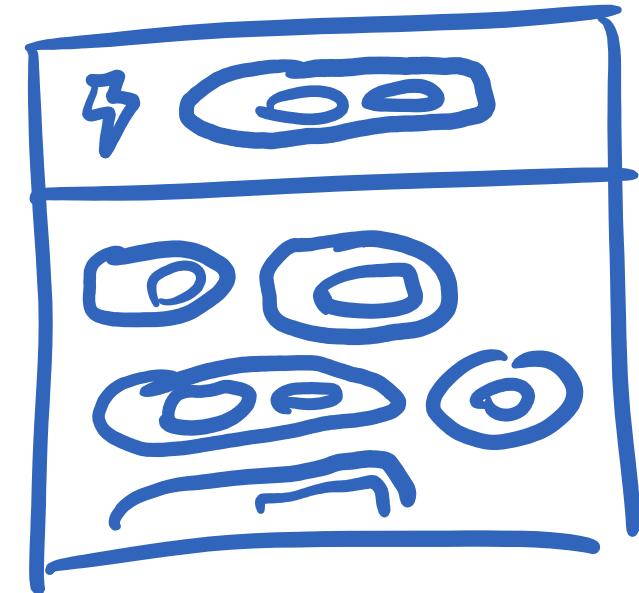
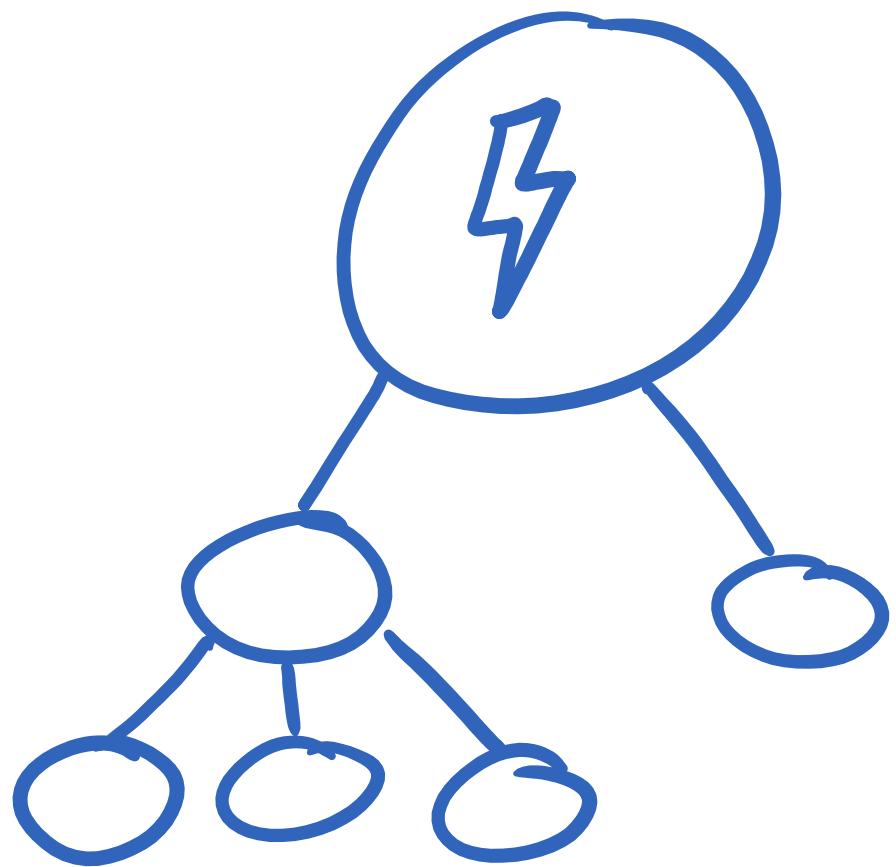


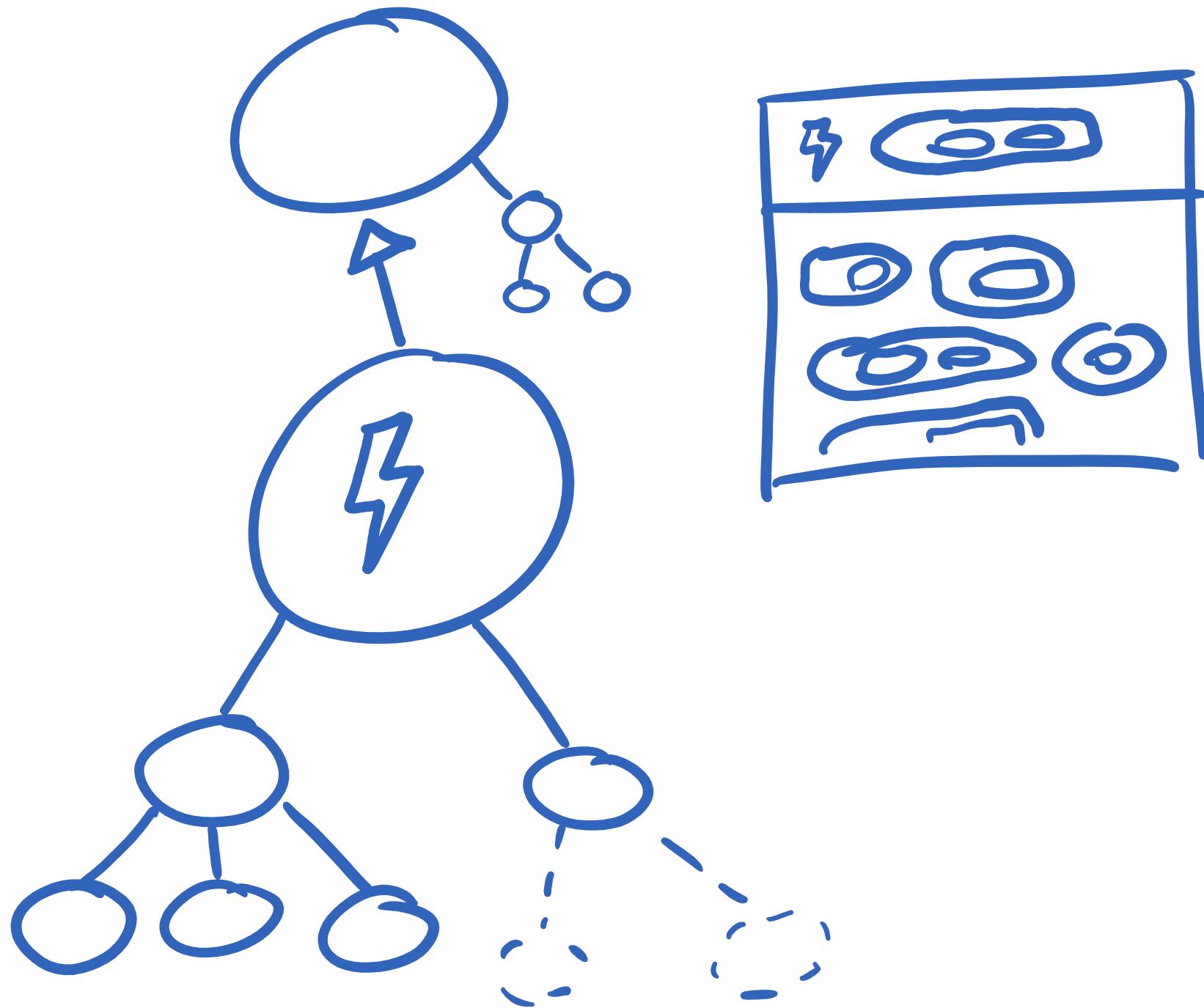
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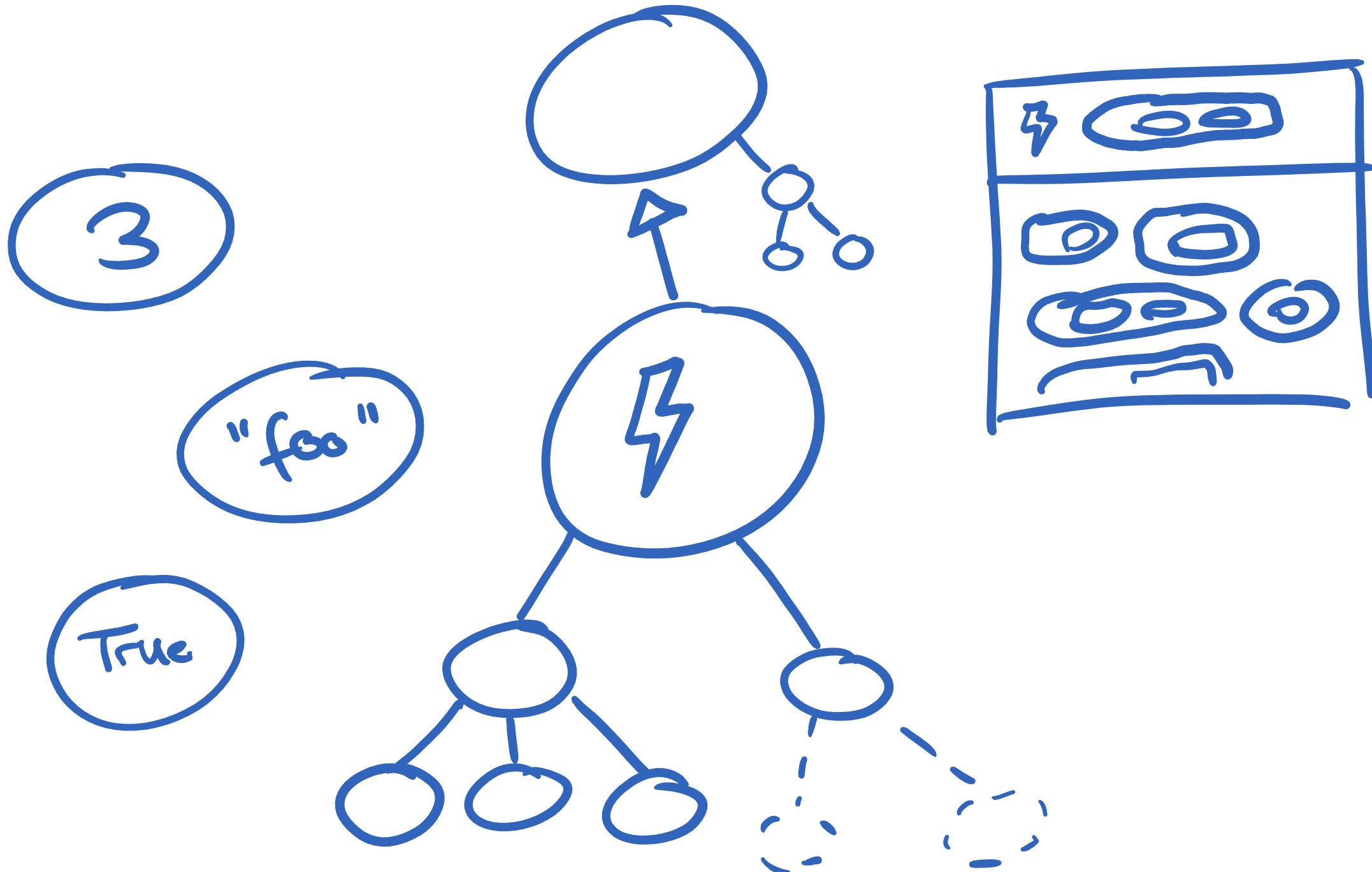
NEXT

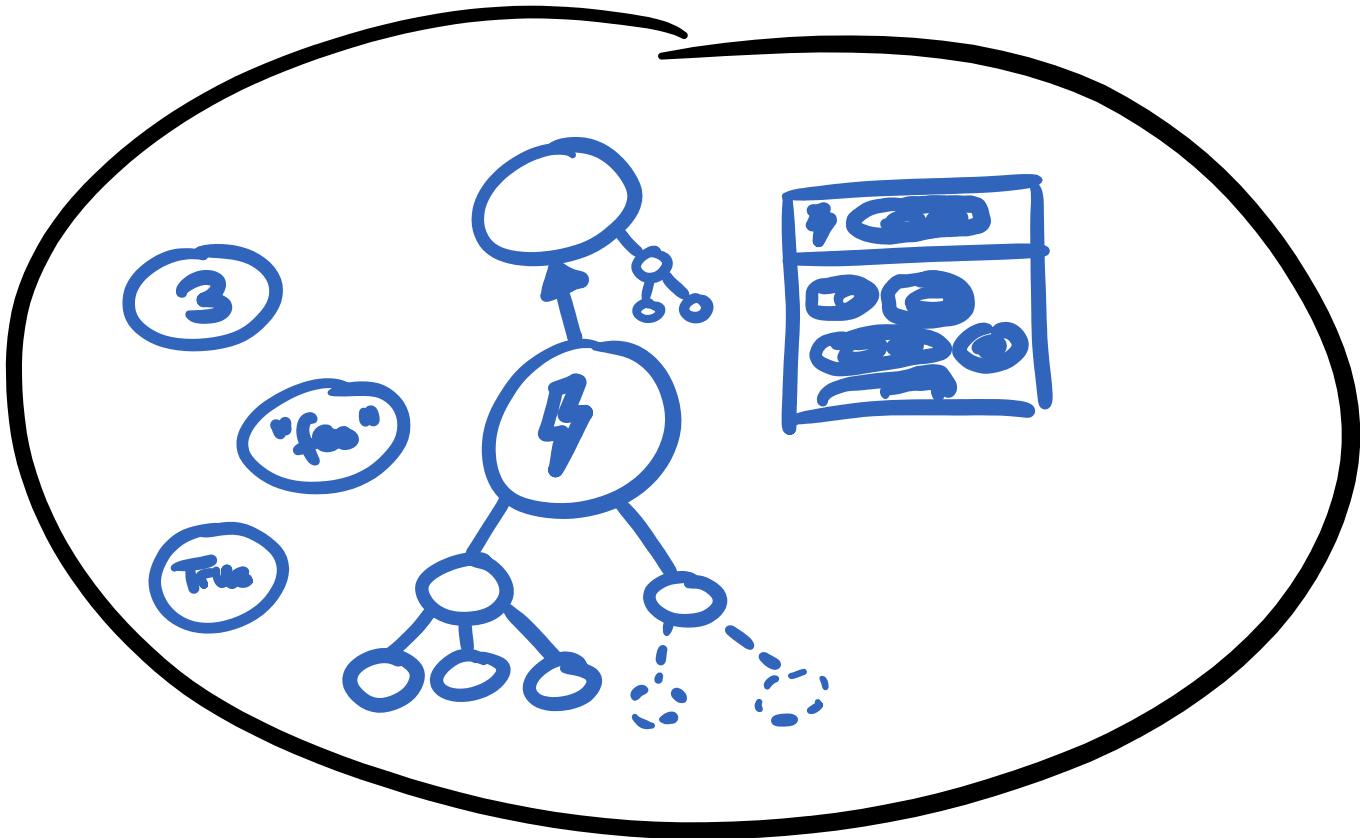


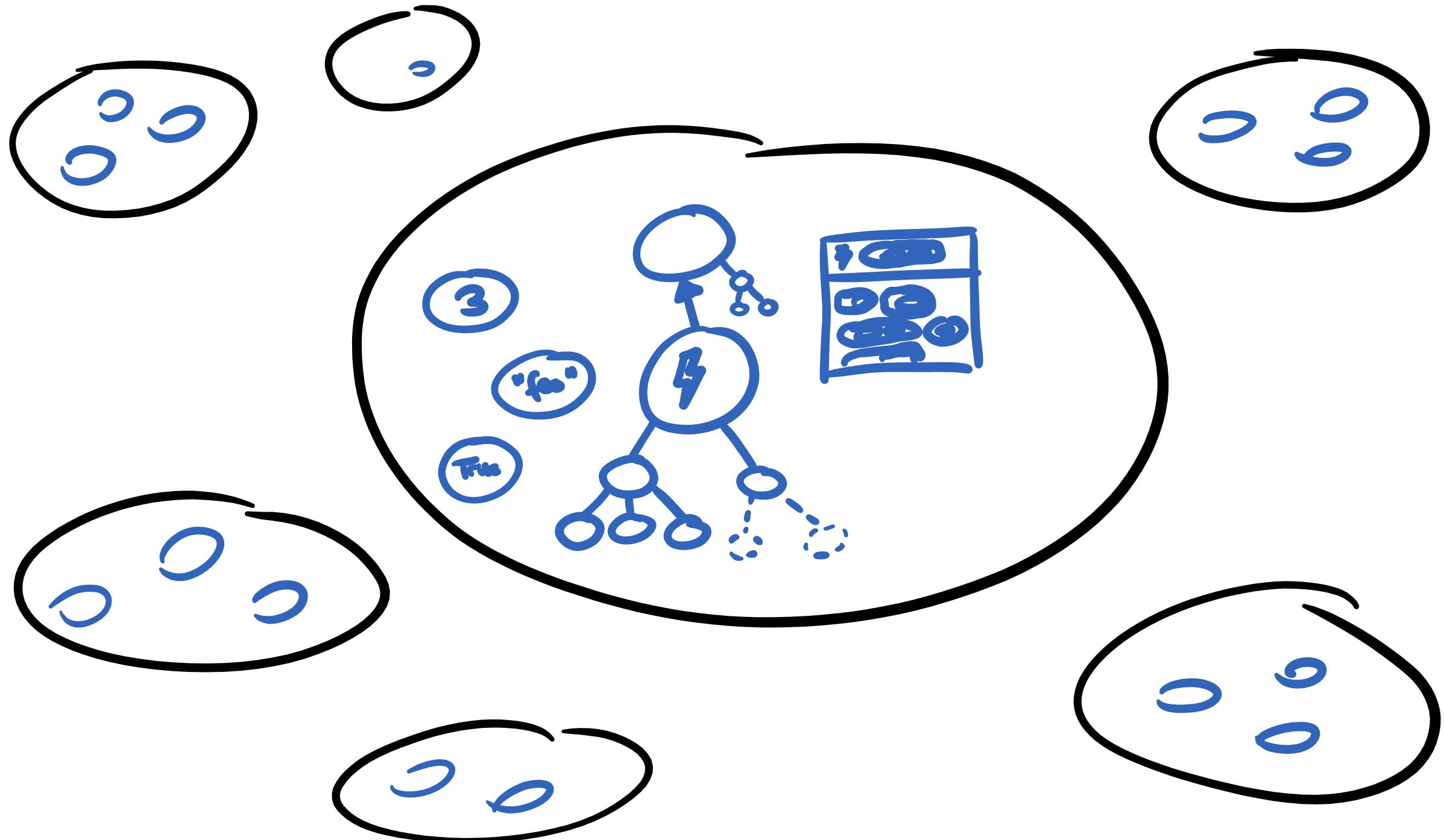


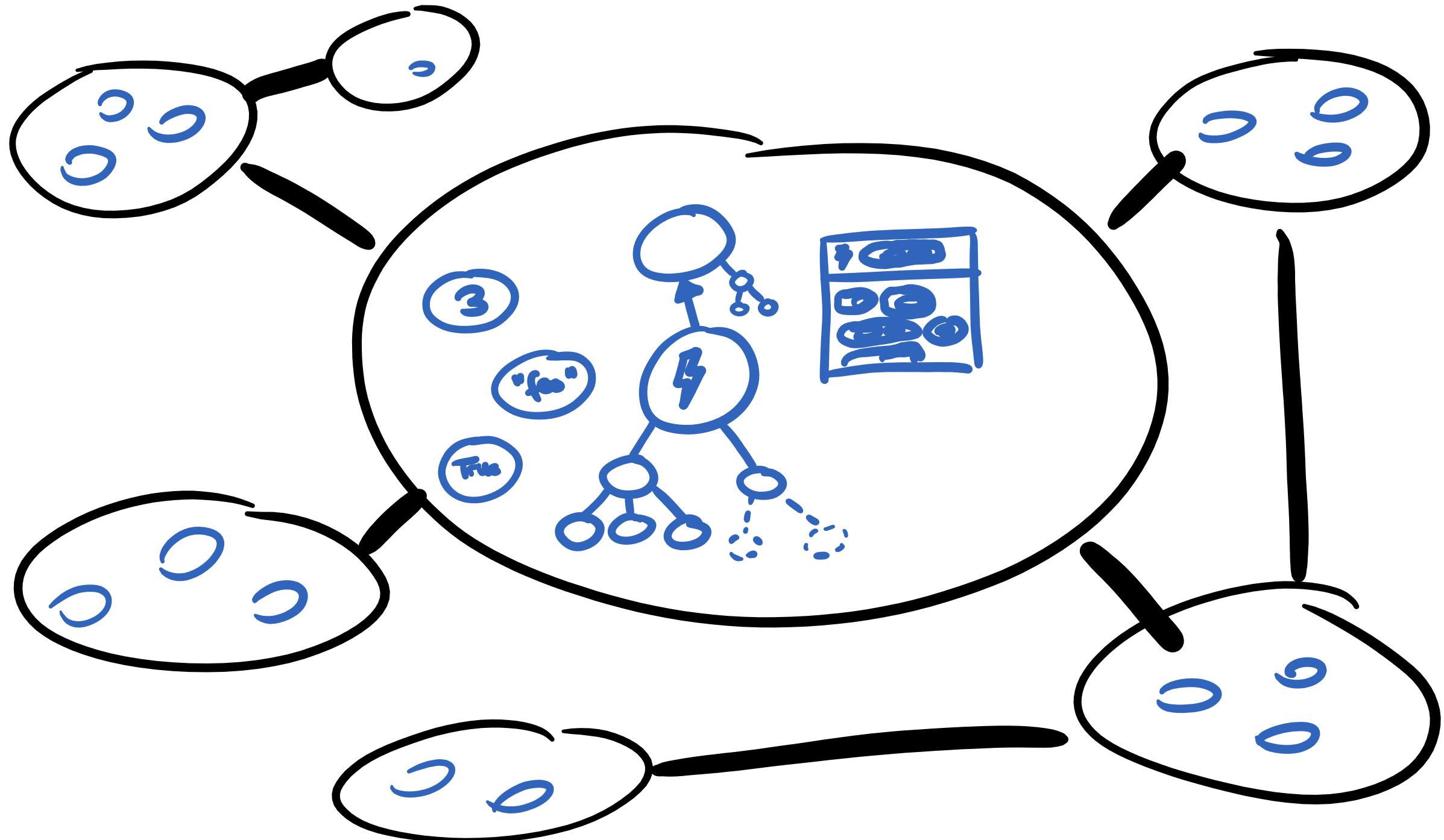












La Haïti

abordé

Smalltalk

Smalltalk Actors

Smalltalk Actors Zells

Smalltalk Actors Zells

Model

Smalltalk Actors Zells

synchronicity

	Smalltalk	Actors	Zells
synchronicity	sync	async	async

Smalltalk Actors Zells

synchronicity

sync

async

async

directionality

Smalltalk Actors Zells

synchronicity

sync

async

async

directionality

bi

uni

uni

Smalltalk Actors Zells

synchronicity	sync	async	async
directionality	bi	uni	uni
delivery			

Smalltalk Actors Zells

synchronicity	sync	async	async
directionality	bi	uni	uni
delivery	= 1	≤ 1	≤ 1

Smalltalk Actors Zells

synchronicity	sync	async	async
directionality	bi	uni	uni
delivery	= 1	≤ 1	≤ 1
receiver			

Smalltalk Actors Zells

synchronicity	sync	async	async
directionality	bi	uni	uni
delivery	= 1	≤ 1	≤ 1
receiver	reference	address	broadcast

	Smalltalk	Actors	Zells
synchronicity	sync	async	async
directionality	bi	uni	uni
delivery	= 1	≤ 1	≤ 1
receiver	reference	address	broadcast
axioms			

Smalltalk Actors Zells

	sync	async	async
synchronicity	sync	async	async
directionality	bi	uni	uni
delivery	= 1	≤ 1	≤ 1
receiver	reference	address	broadcast
axioms	\emptyset	3	\emptyset

Smalltalk Actors Zells

	sync	async	async
synchronicity	sync	async	async
directionality	bi	uni	uni
delivery	= 1	≤ 1	≤ 1
receiver	reference	address	broadcast
axioms	\emptyset	3	\emptyset
bottom			

Smalltalk Actors Zells

	sync	async	async
synchronicity	sync	async	async
directionality	bi	uni	uni
delivery	= 1	≤ 1	≤ 1
receiver	reference	address	broadcast
axioms	\emptyset	3	\emptyset
bottom	objects	x	zells

incidental
Complications

avoided

easy

complicated



Squeak

Squeak

setup

interactivity

segregation

serialization

data safety

Squeak

setup

interactivity

segregation

serialization

data safety

dependencies

Syntax

API

autonomy

model

Squeak

setup

interactivity

segregation

serialization

data safety

dependencies

Syntax

autonomy API

model

sharing

Security

Scratch

Scratch

setup

sharing

segregation

interactivity

Syntax

serialization

dependencies

Scratch

setup

sharing

segregation

Syntax

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interactivity

security

serialization

API

autonomy

Scratch

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sharing

segregation

Syntax

dependencies

interactivity

serialization

security

API

autonomy

model

universality

ωωω

www

setup

sharing

www

setup

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syntax

sharing API

autonomy

security

www

setup

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sharing API
autonomy
security

interactivity

segregation

data safety

model

serialization

Lively Web

Lively Web

Setup
dependencies
interactivity
segregation
serialization
data safety
sharing

Lively Web

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segregation
serialization
data safety model
sharing
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API
autonomy
security

Lively Web

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security

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