CASE STUDY

Transitioning from an L1 to L2

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@marek_

Devcon SEA
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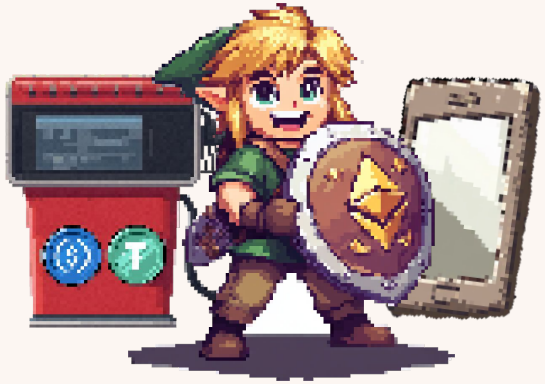
CELO

Best of CELO

Best of CELO



Best of CELO

Best of CELO

Best of CELO

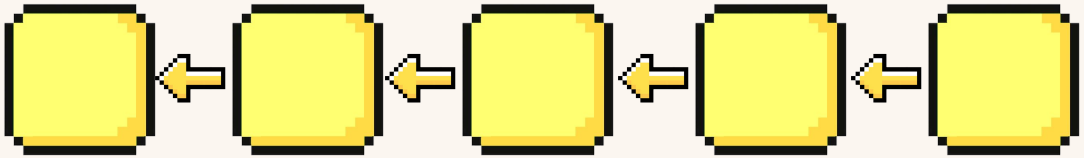
ETHEREUM

We hope that Celo will become the case study for others to follow

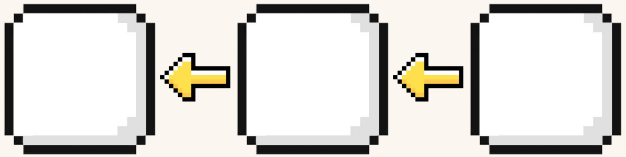
5
5 Learnings From Our Journey

Learning
1

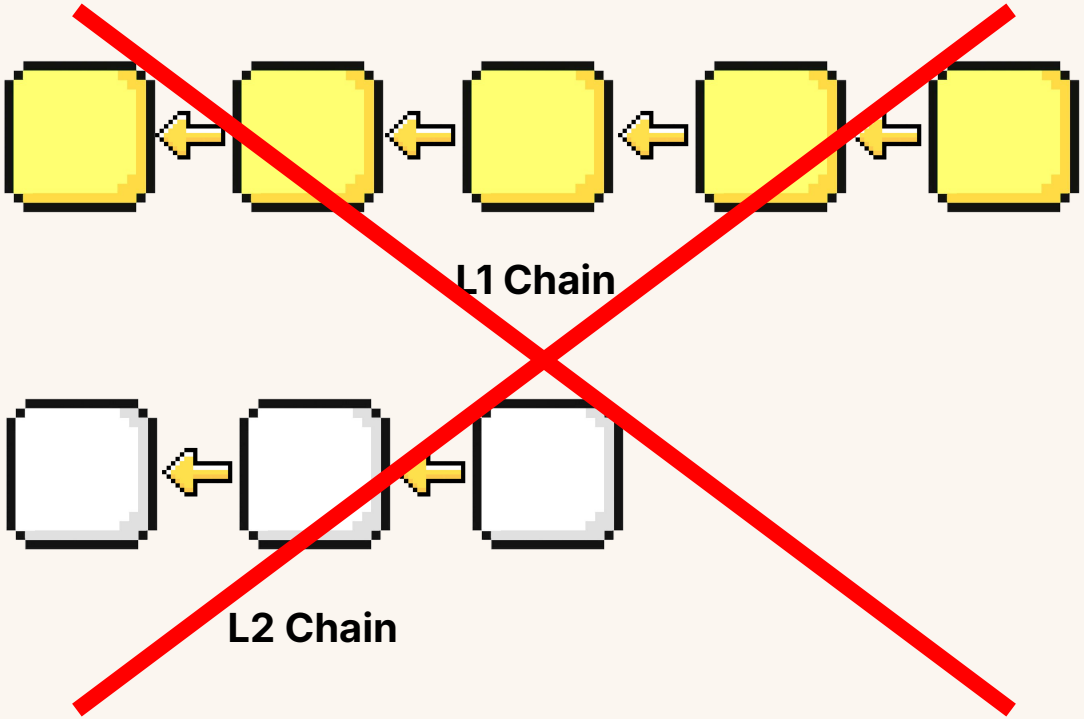
Transition via Hardfork

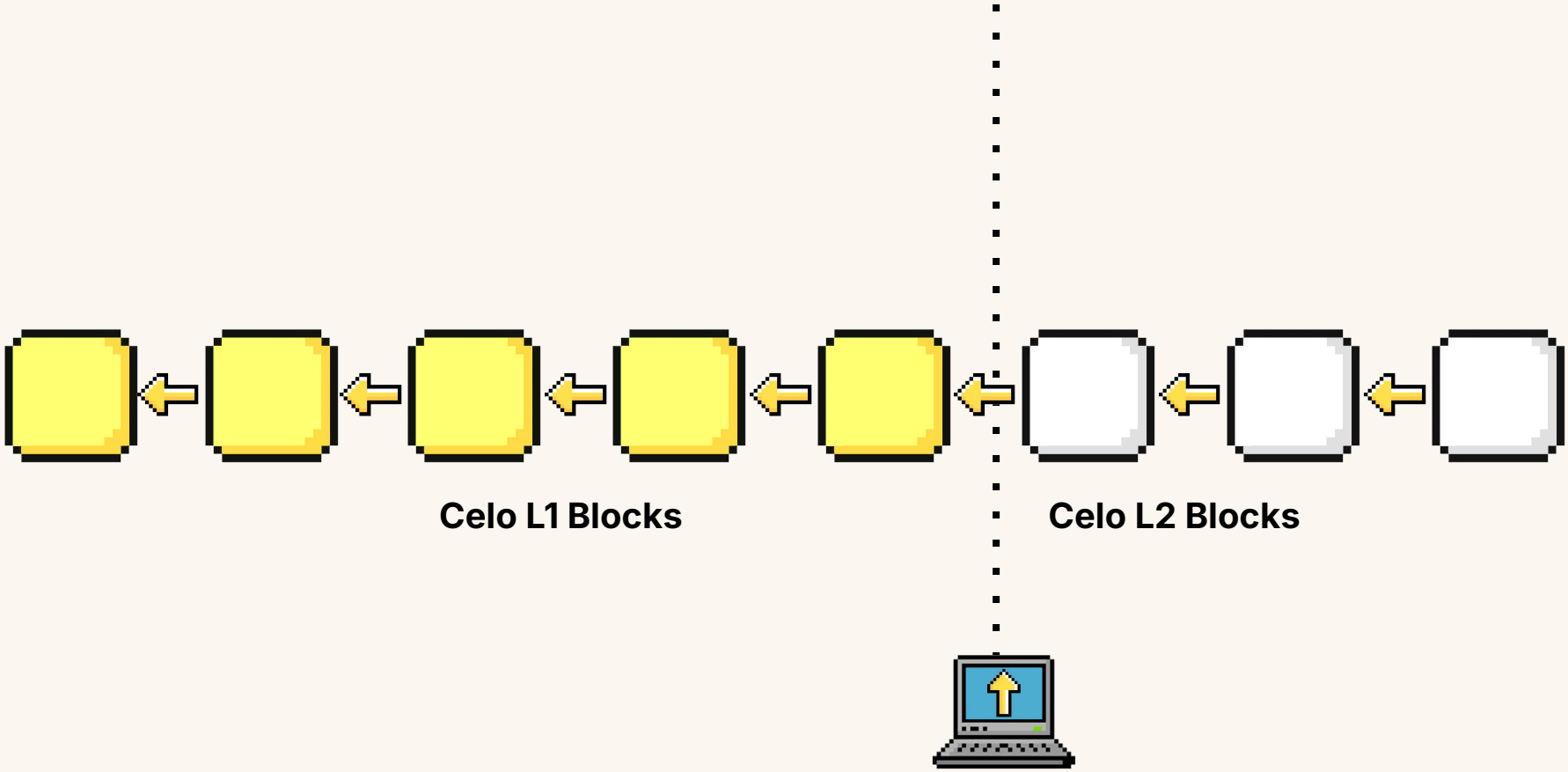


L1 Chain



L2 Chain


L1 Chain
L2 Chain


Celo L1 Blocks
Celo L2 Blocks
Hardfork

Hard forking to an L2 is hard!

Hardfork

Hard Hardfork

Hard Hardfork

Only fullnodes need to upgrade

Less work for users and dapp builders!

Learning
2

Use an existing L2 Stack

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We Picked OP + EigenDA

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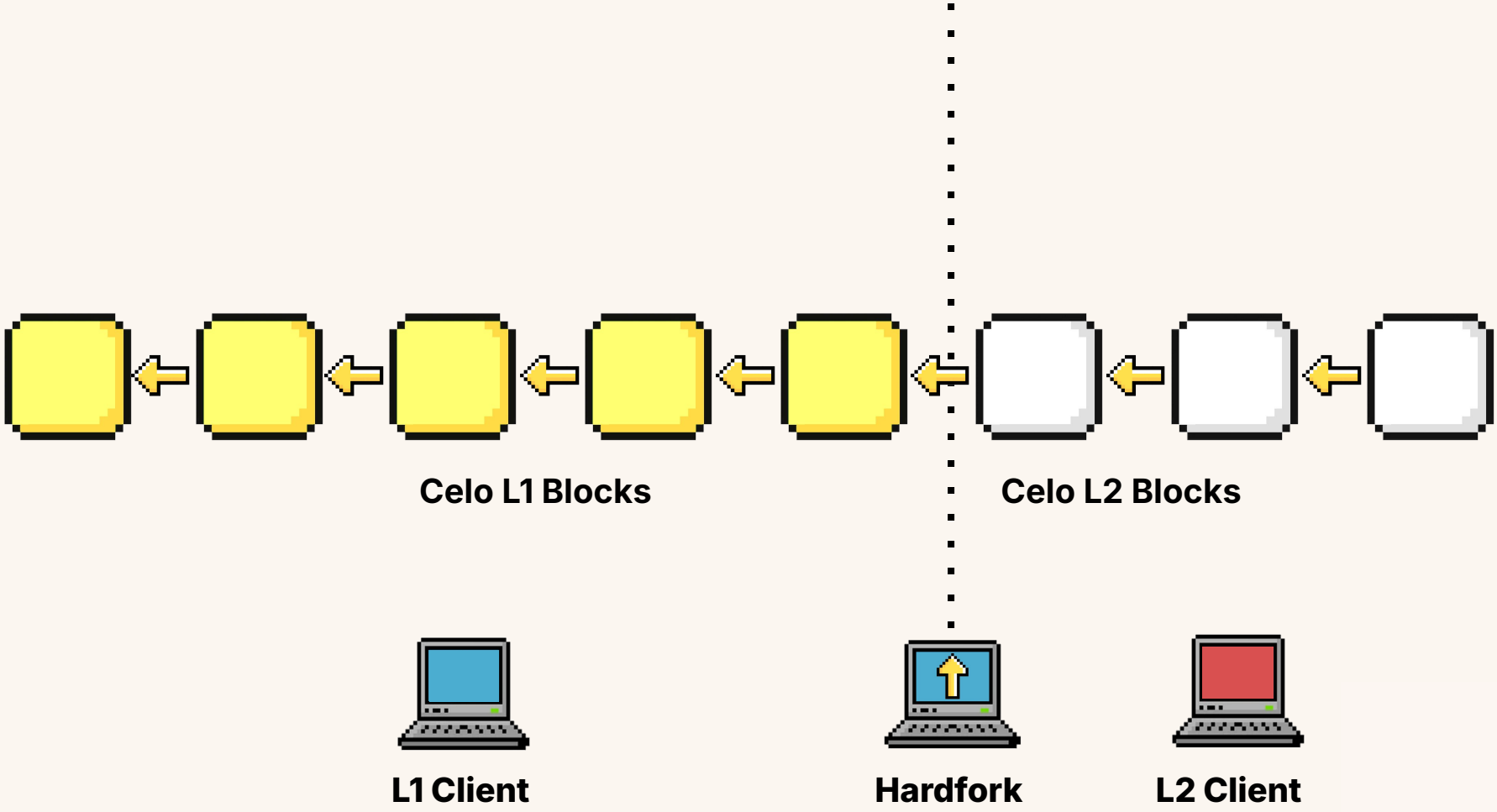
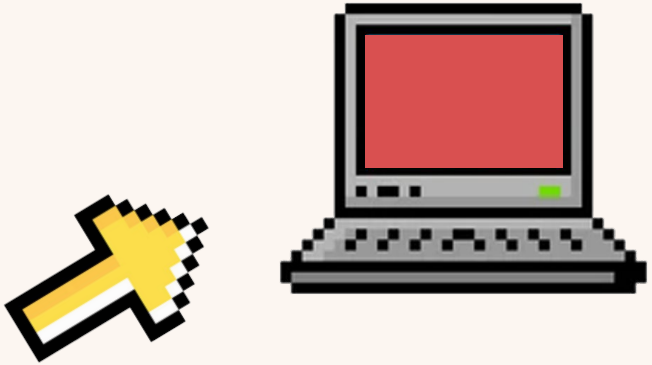
L1 Client

L2 Client


Celo L1 Blocks
Celo L2 Blocks
L1 Client
Hardfork
L2 Client

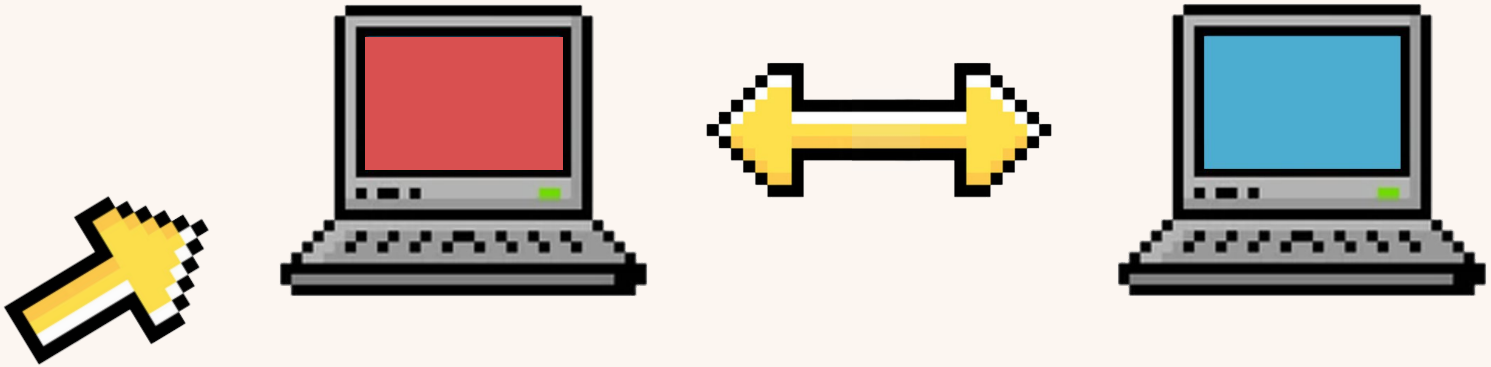
Celo L2
Archive Node



Archive Node Proxying

Celo L2
Archive Node

Celo L1
Archive Node



Archive Node Proxying

Learning
3

Migrate your chain data

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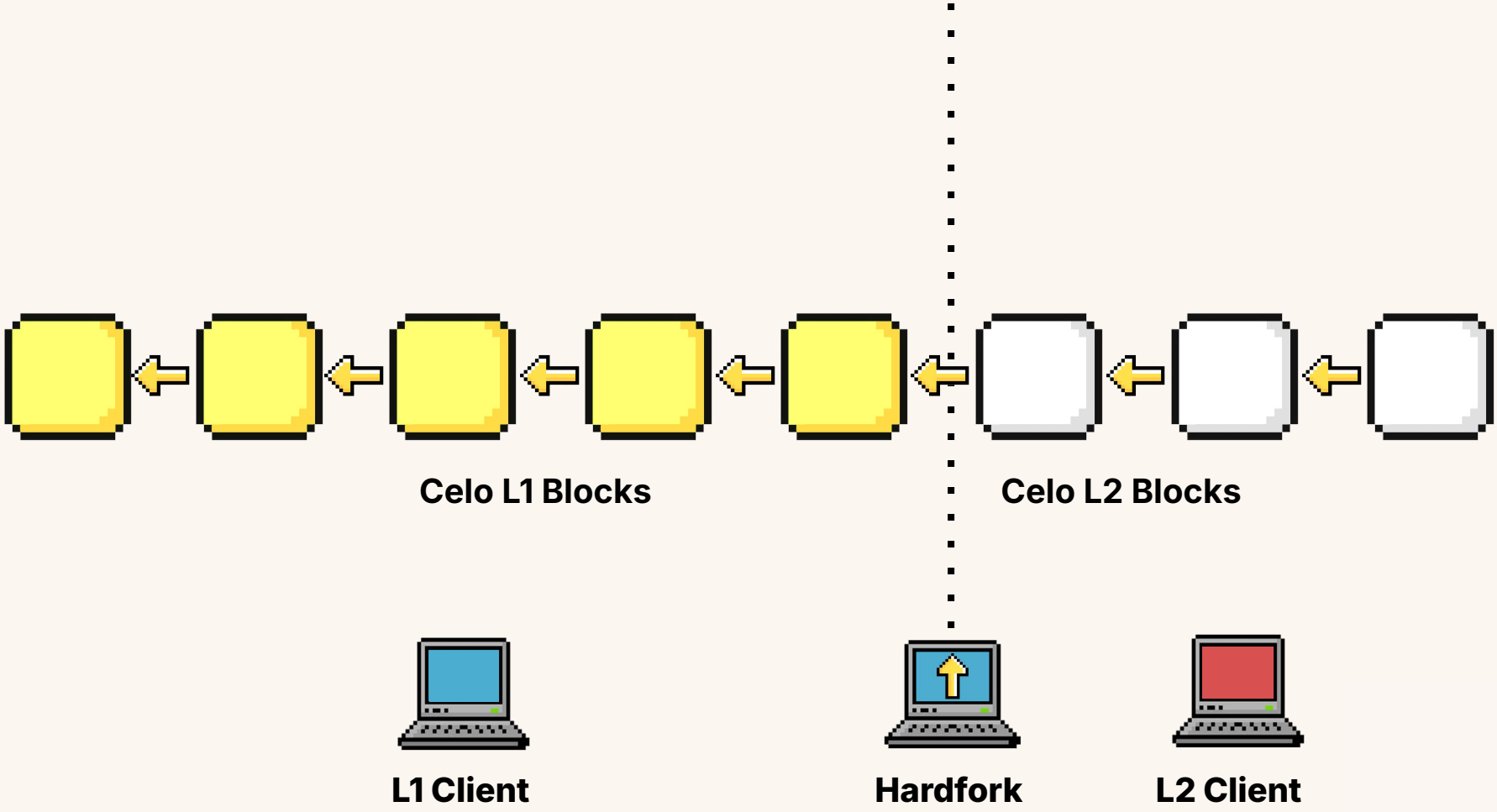
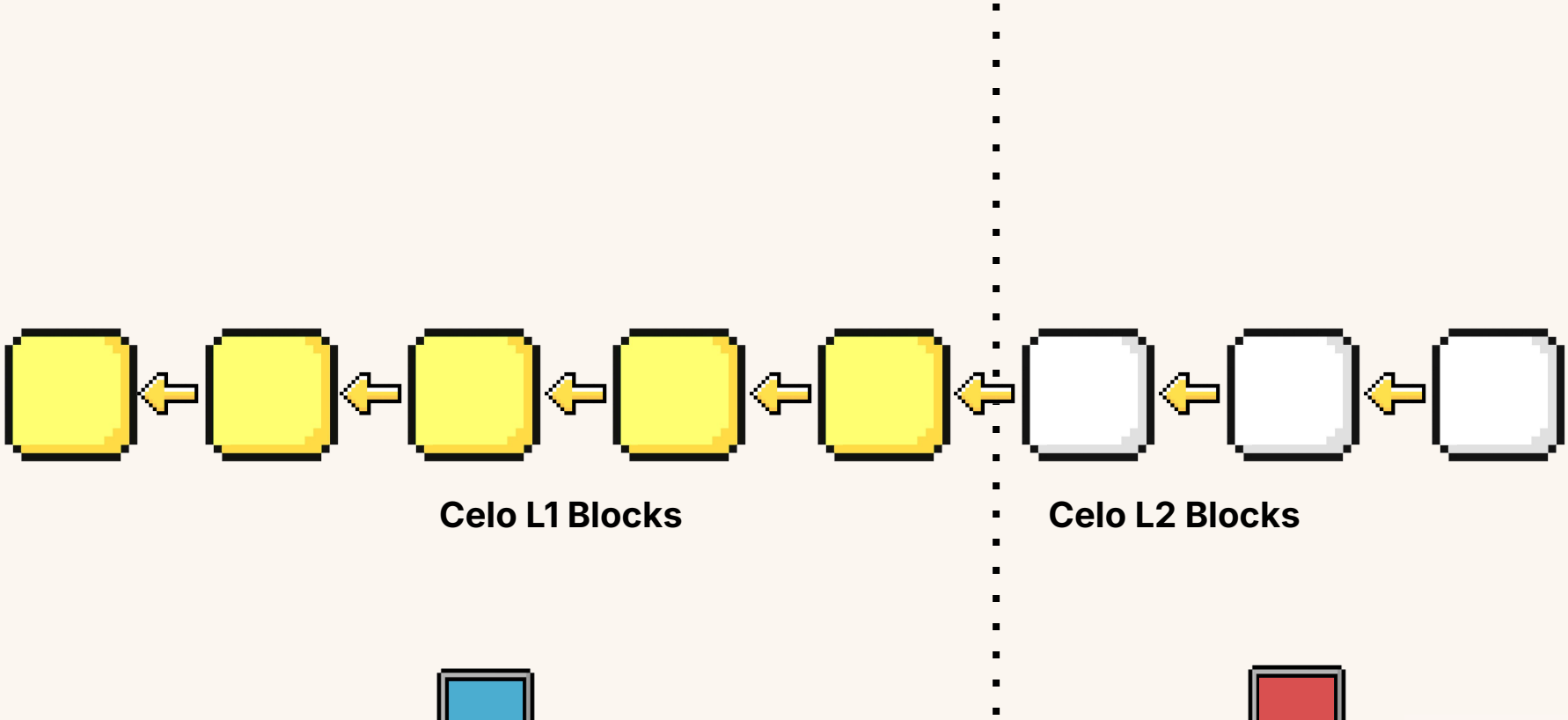
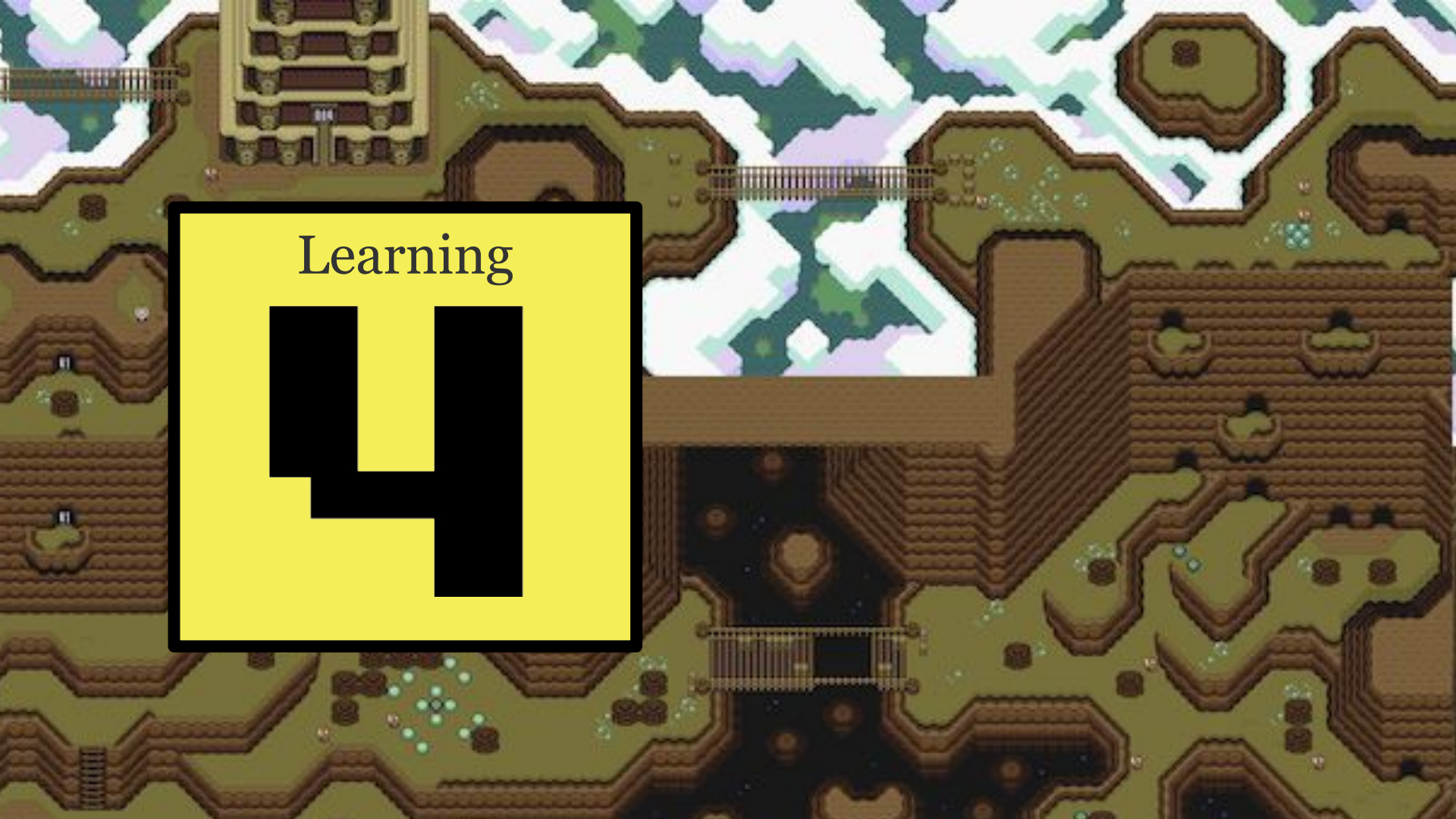
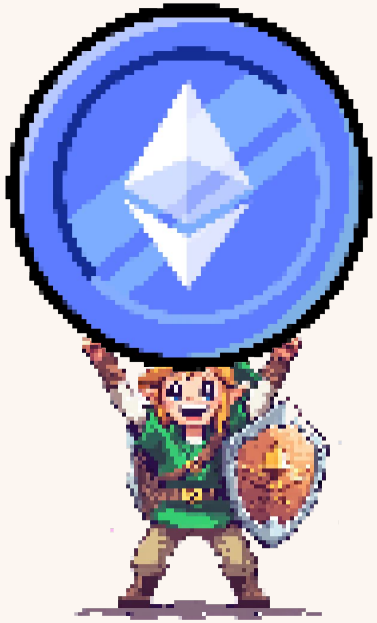

Celo L1 Blocks
Celo L2 Blocks
L1 Client
Hardfork
L2 Client


Celo L1 Blocks
Celo L2 Blocks
L1 Client
L1 → L2 Chain Data
Migration Script
L2 Client


Learning
4



Embrace Ethereum

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Distill protocol down to patch queue on Geth

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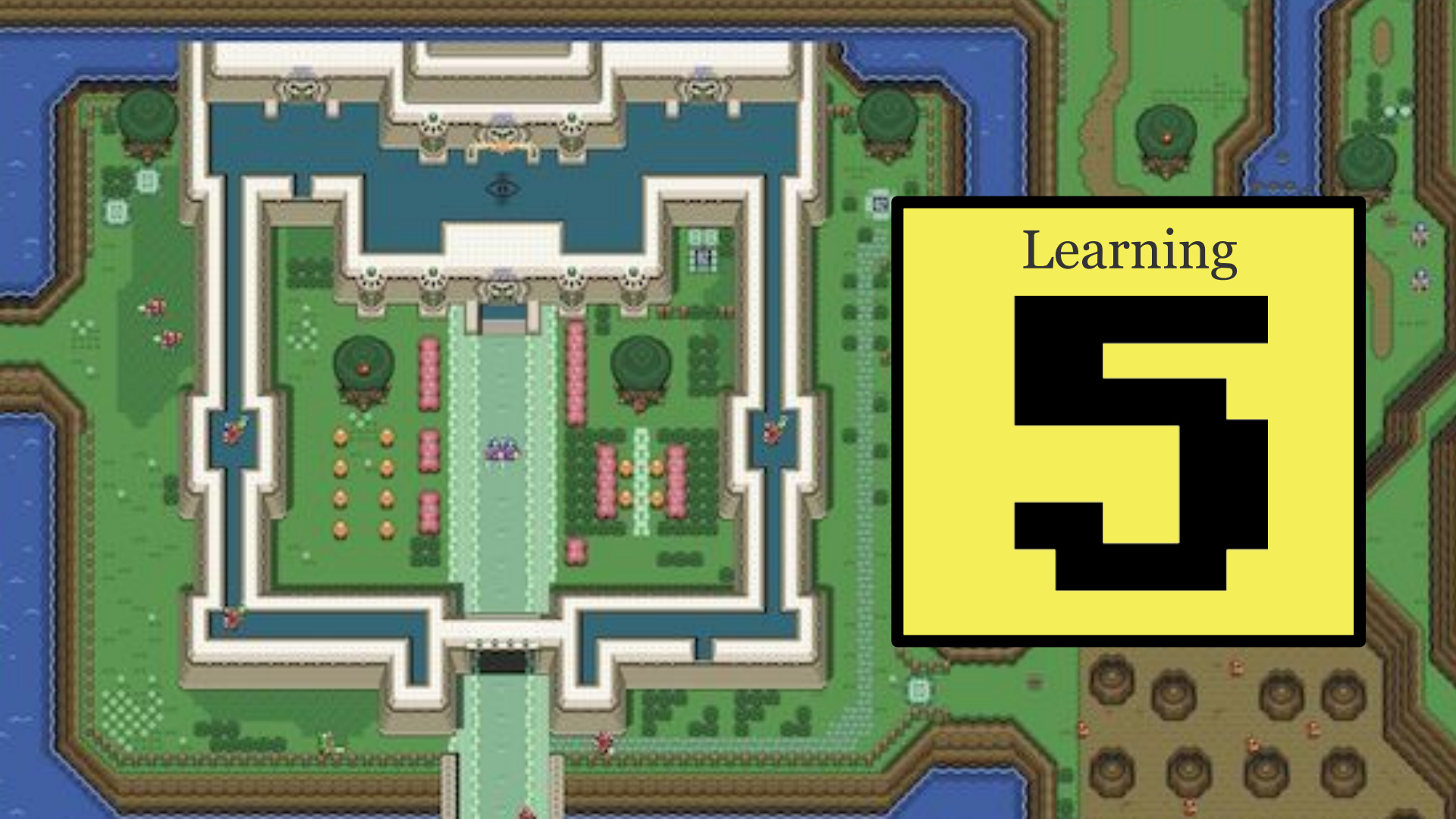
Learning
5

Rethink where your token lives

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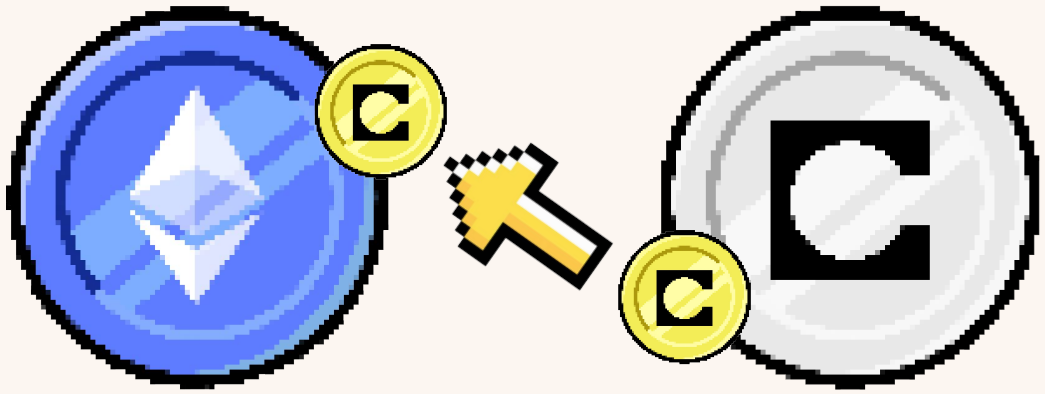

CELO will exist as an L1 token as well

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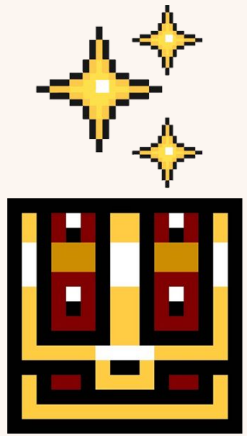
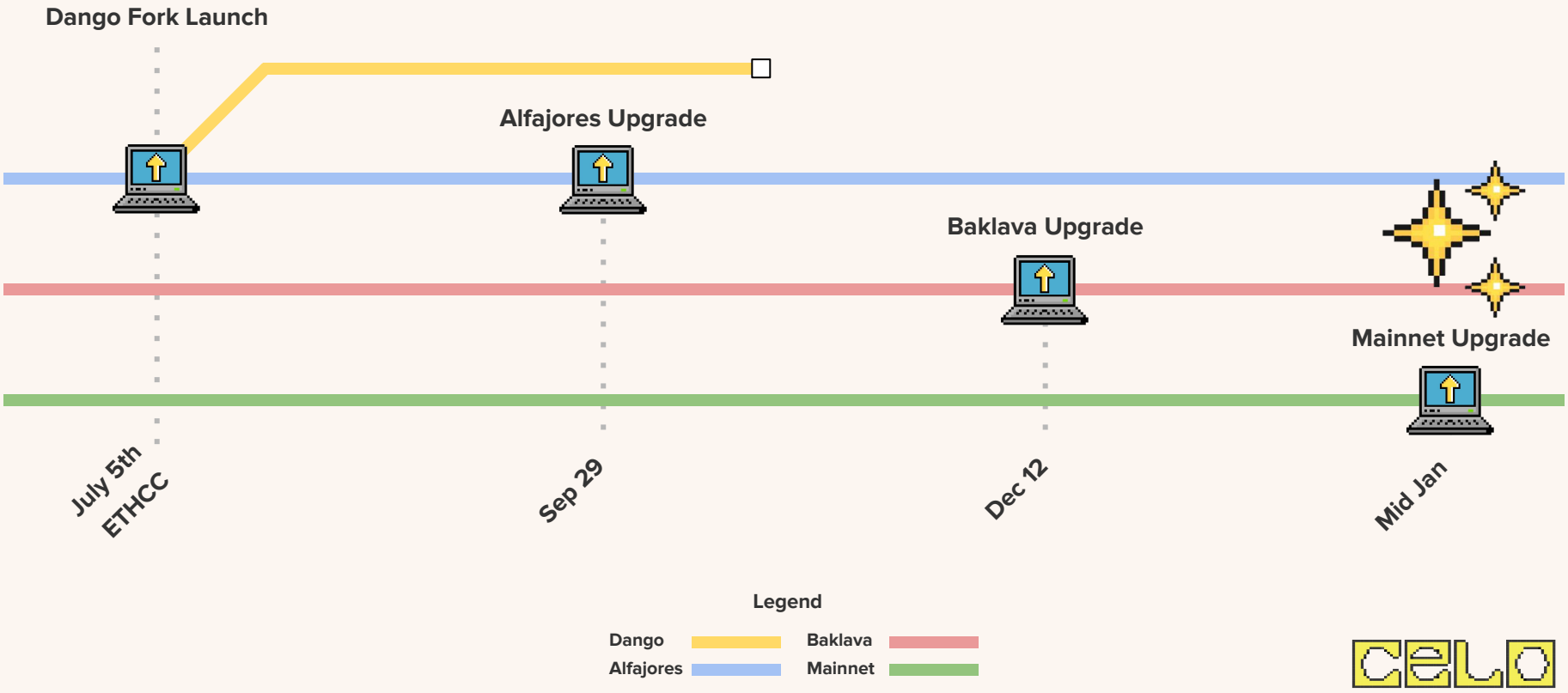
Final
Thoughts

Thinking about transitioning to an L2?



Take the leap of faith!

Upgrade Schedule



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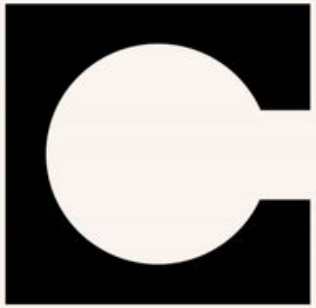

Thank you!

celo.org

docs.celo.org/cel2

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