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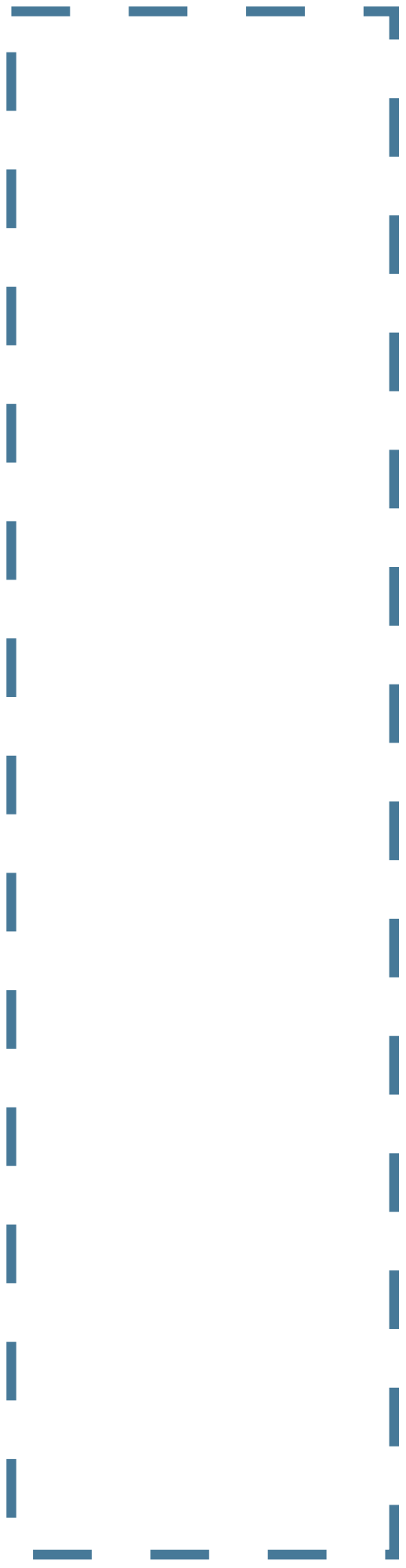
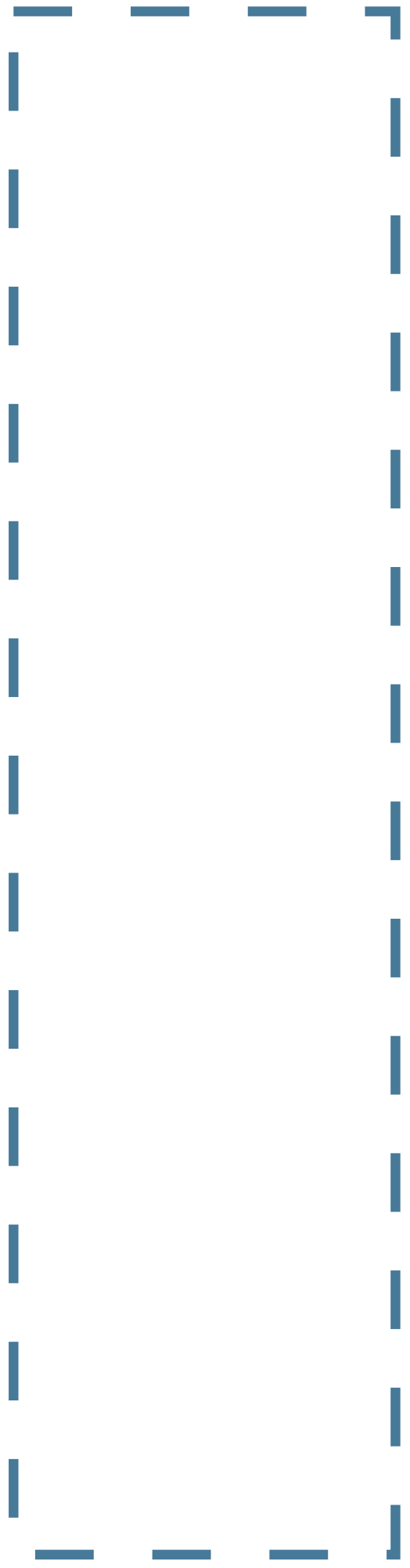
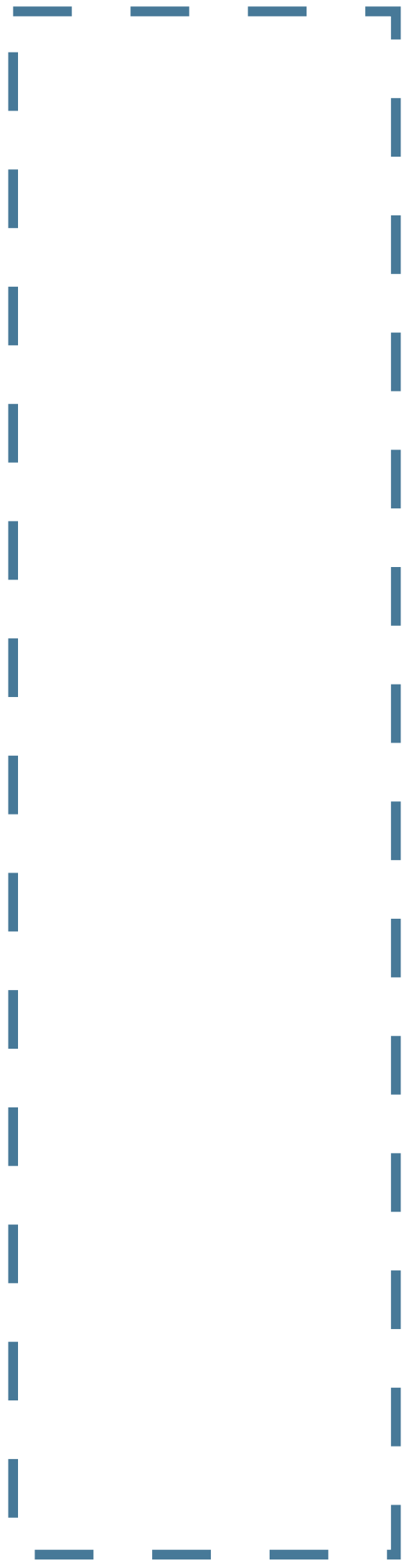
Tree Growth with Data Parallelism

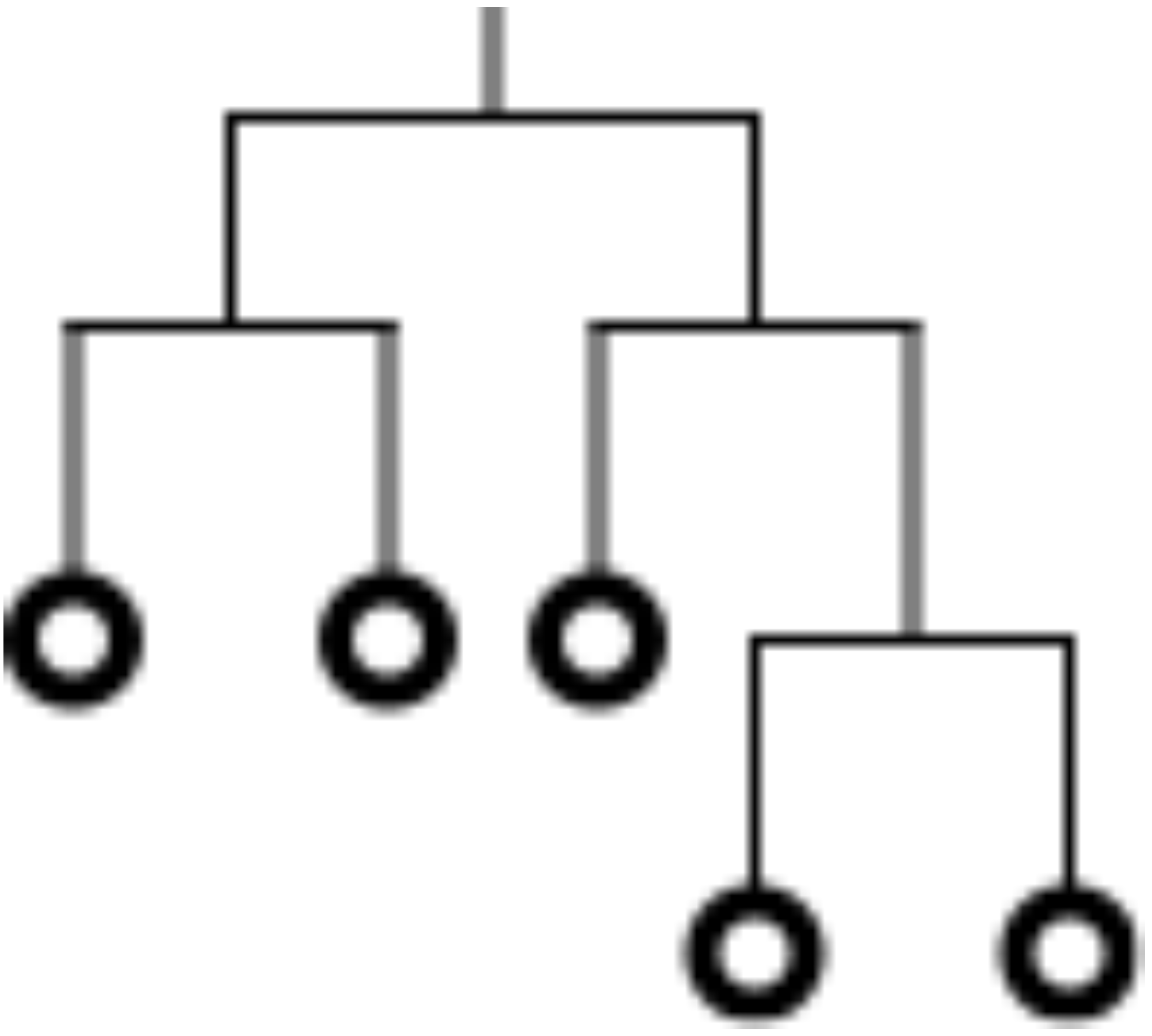
1

2

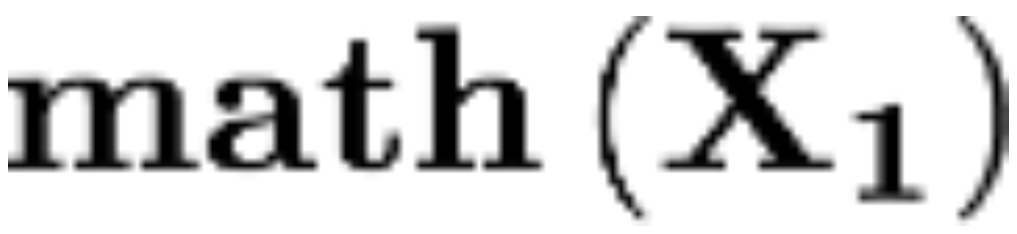








$$\mathbf{X} = \{\mathbf{X}_1, \ldots, \mathbf{X}_K\}$$

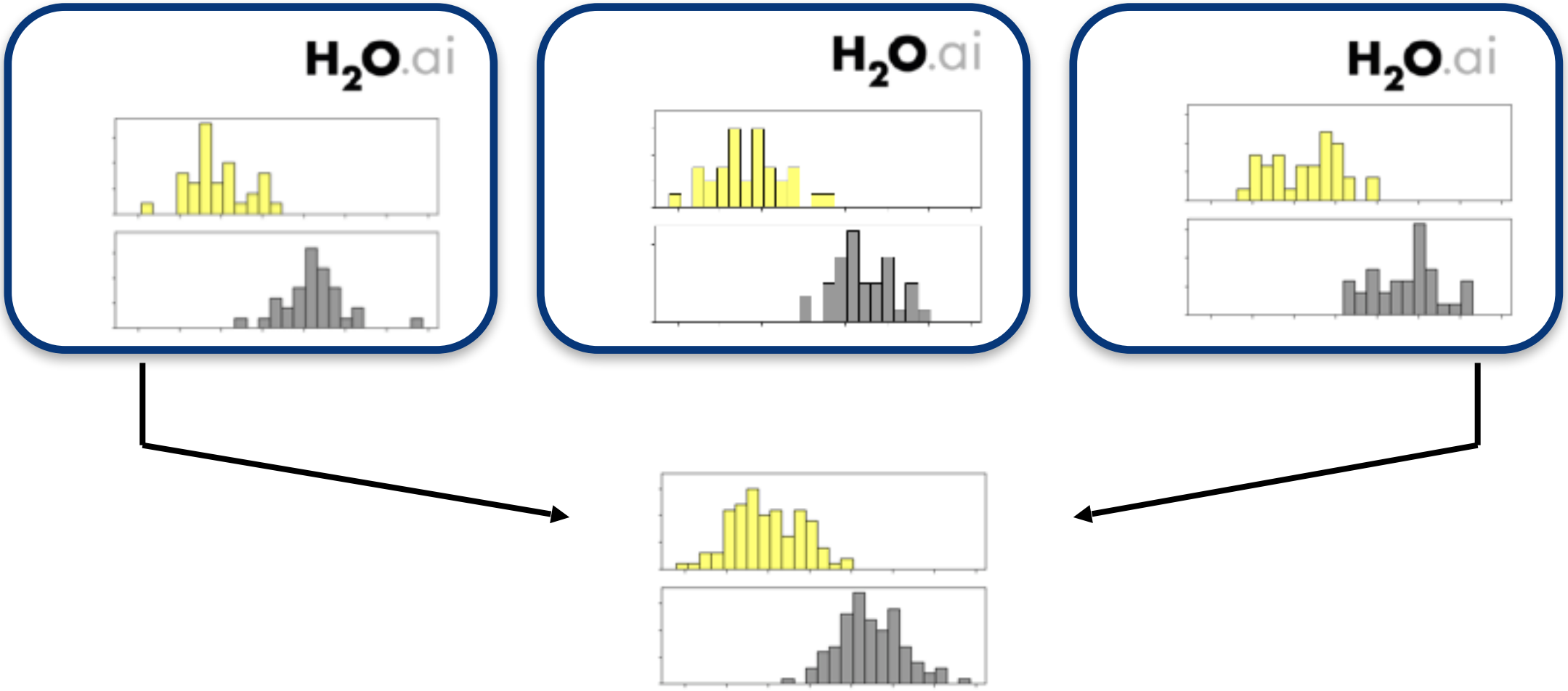

math (X1)

math (X_K)

$$\{X_i; t_i\} = f(\mathbf{math}\,(\mathbf{X_1}), \ldots, \mathbf{math}\,(\mathbf{X_K}))$$

Full Data Parallelism for Each Level of Tree Growth!

Splitting with Distributed Data



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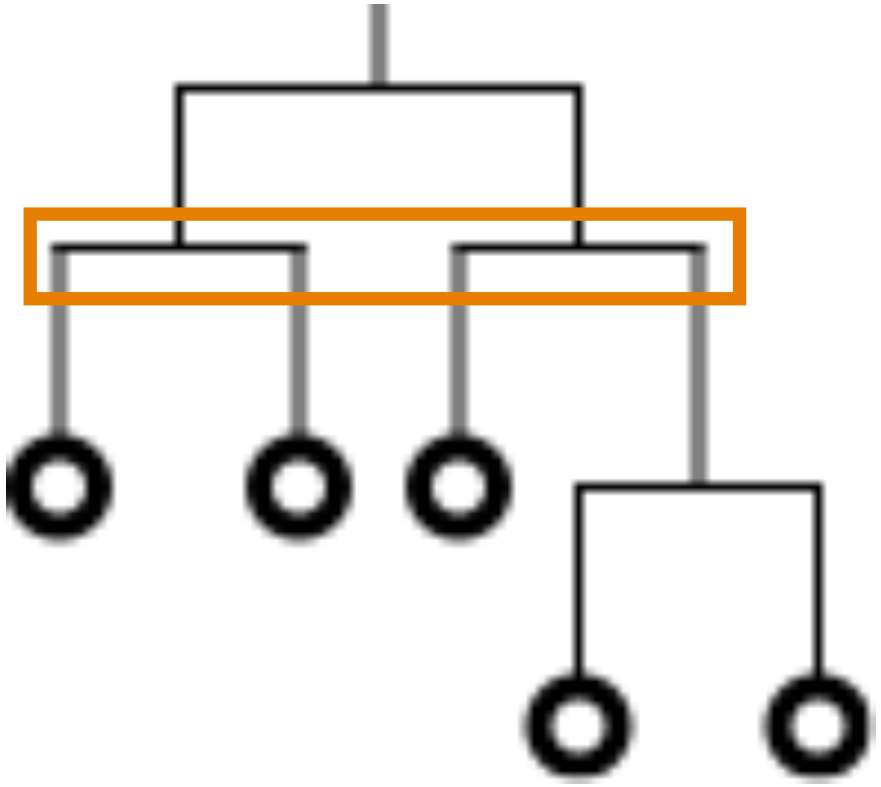
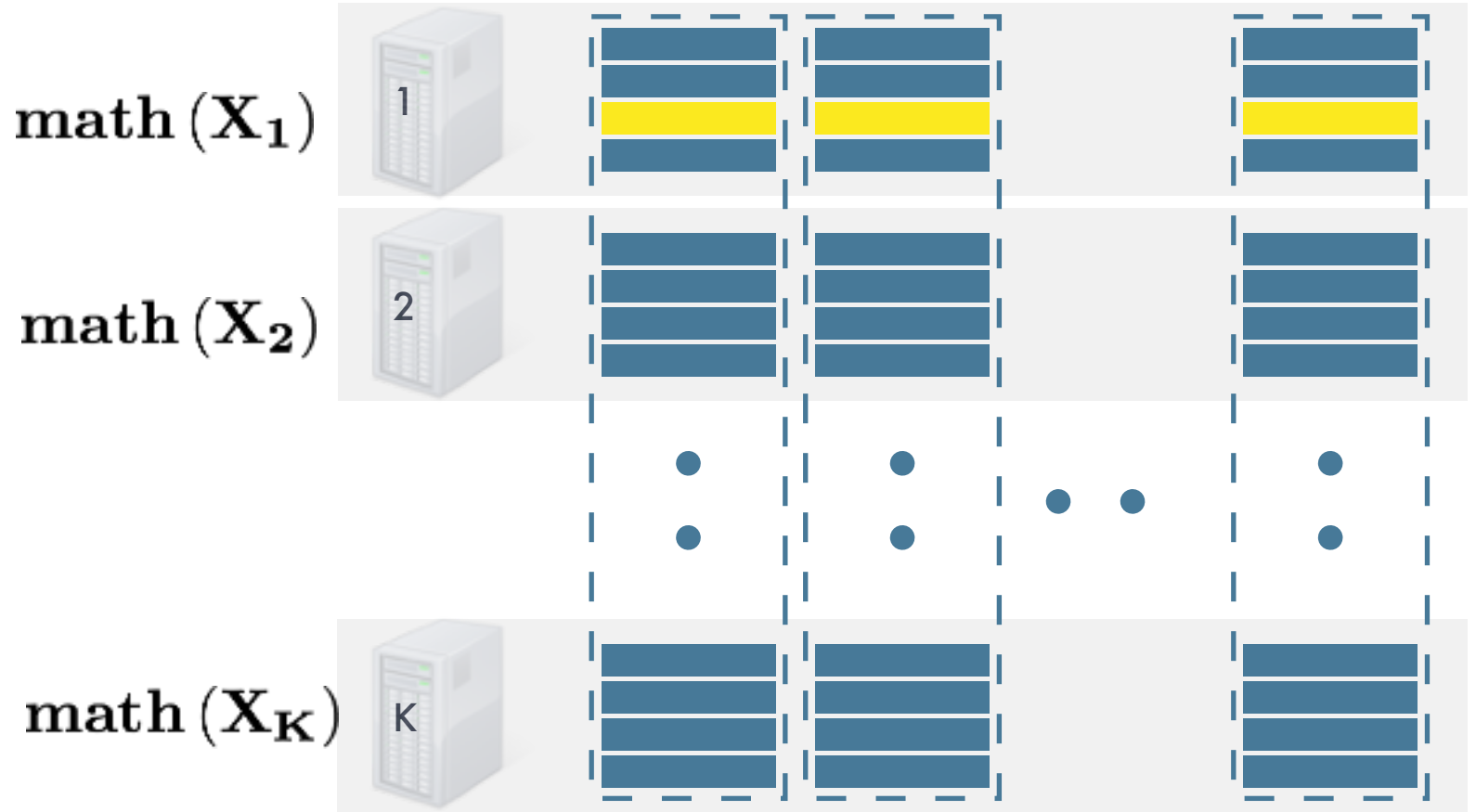
Tree Growth with Data Parallelism

$$\{X_i; t_i\} = f(\mathbf{math}\,(\mathbf{X_1}), \ldots, \mathbf{math}\,(\mathbf{X_K}))$$



$$\mathbf{X} = \{\mathbf{X}_1, \ldots, \mathbf{X}_K\}$$



Full Data Parallelism for Each Level of Tree Growth!

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