

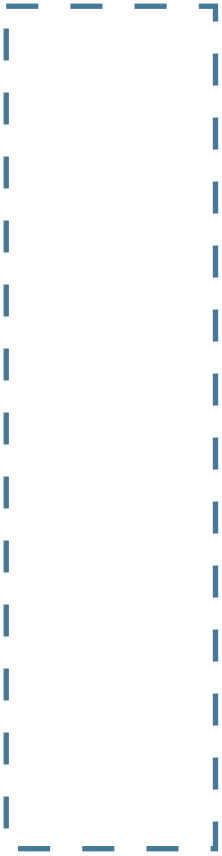


True Grit with Data Parallelism









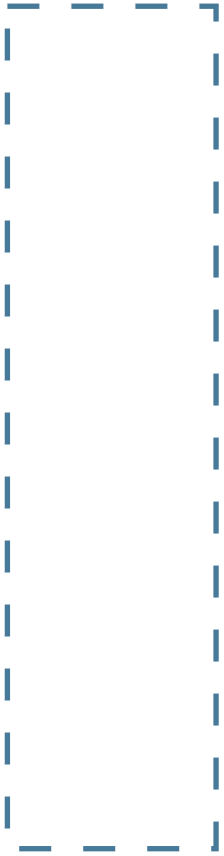












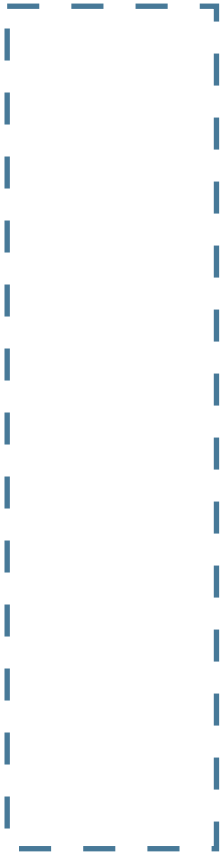
























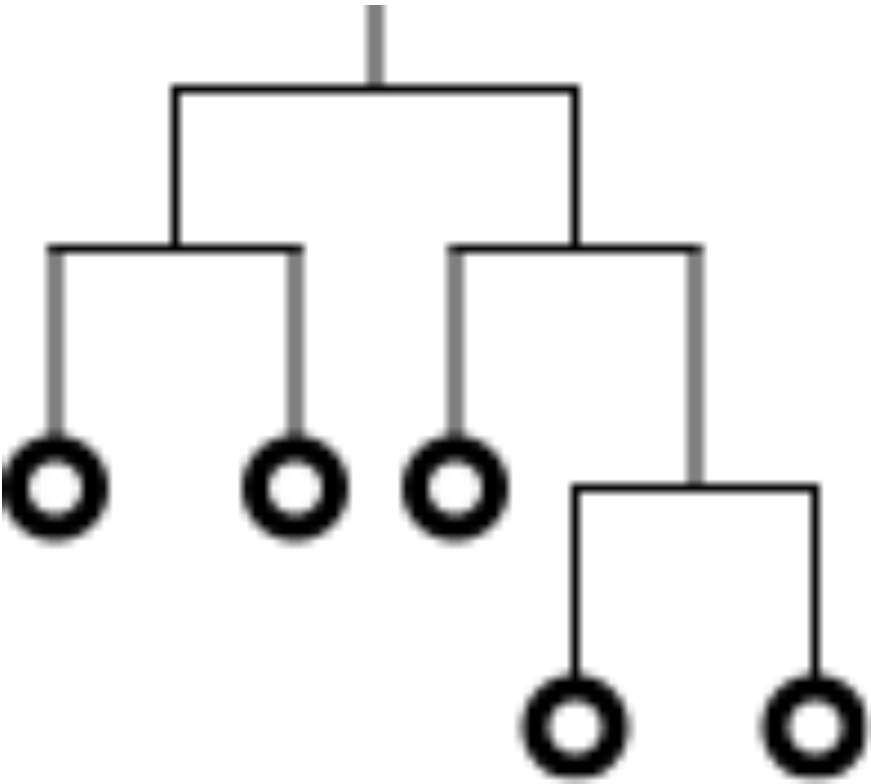


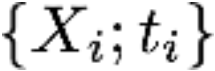
















$$X = \{X_1, \dots, X_n\}$$

math(X, 1)

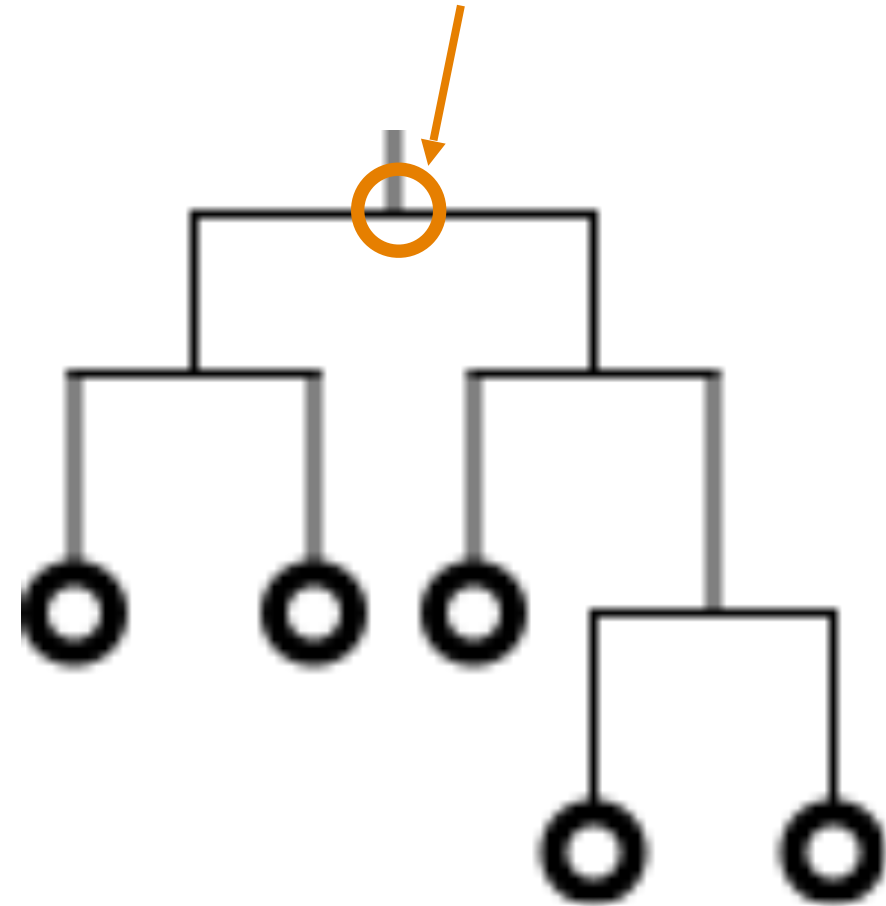
math (X)

math (XK)

Tree Growth with Data Parallelism

$$\{X_i; t_i\} = f(\text{math}(\mathbf{X}_1), \dots, \text{math}(\mathbf{X}_K))$$

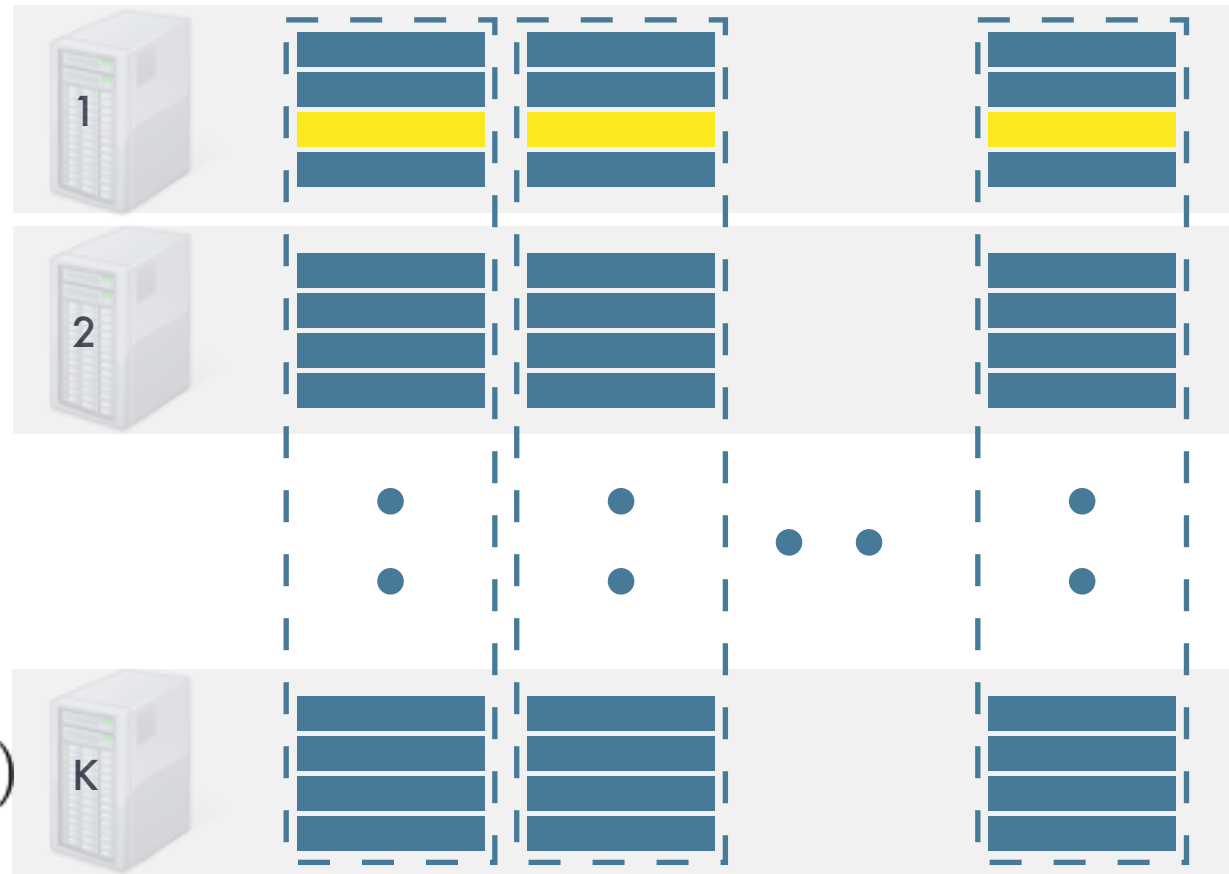
$$\mathbf{X} = \{\mathbf{X}_1, \dots, \mathbf{X}_K\}$$



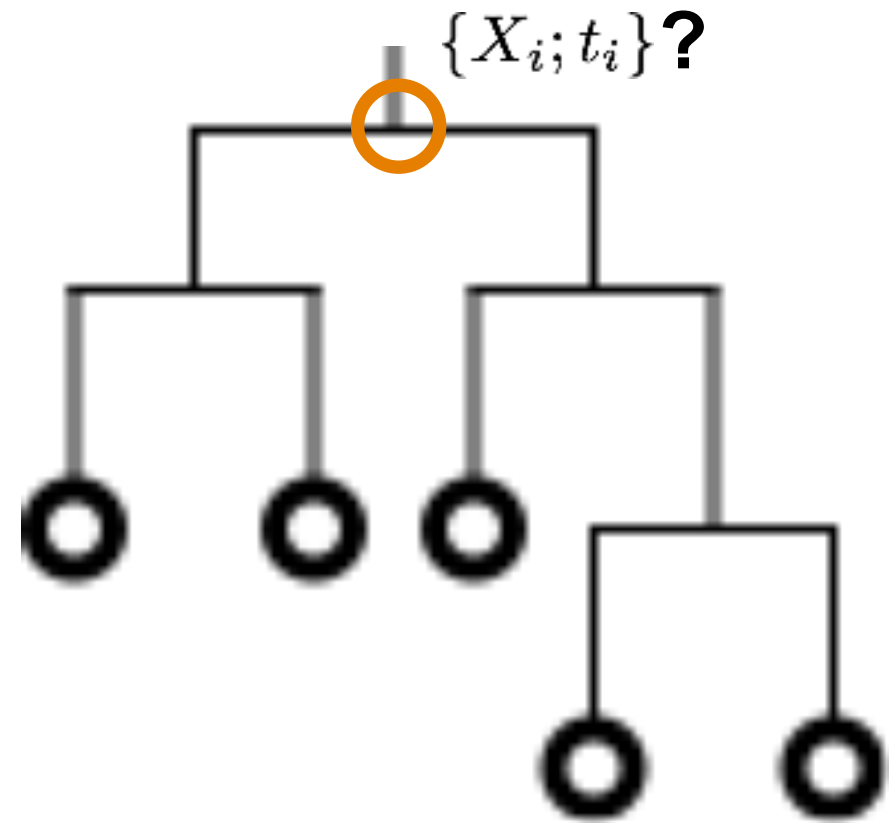
$\text{math}(\mathbf{X}_1)$

$\text{math}(\mathbf{X}_2)$

$\text{math}(\mathbf{X}_K)$



Tree Growth with Data Parallelism

 \mathbf{X}_1 \mathbf{X}_2 $\mathbf{X_K}$

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

