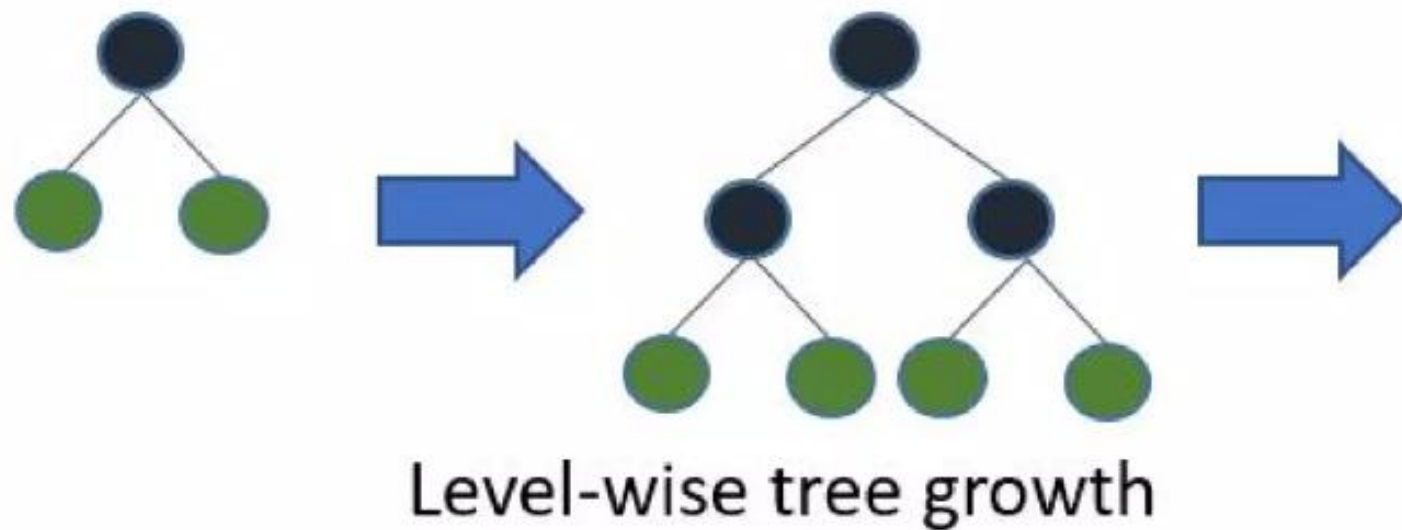


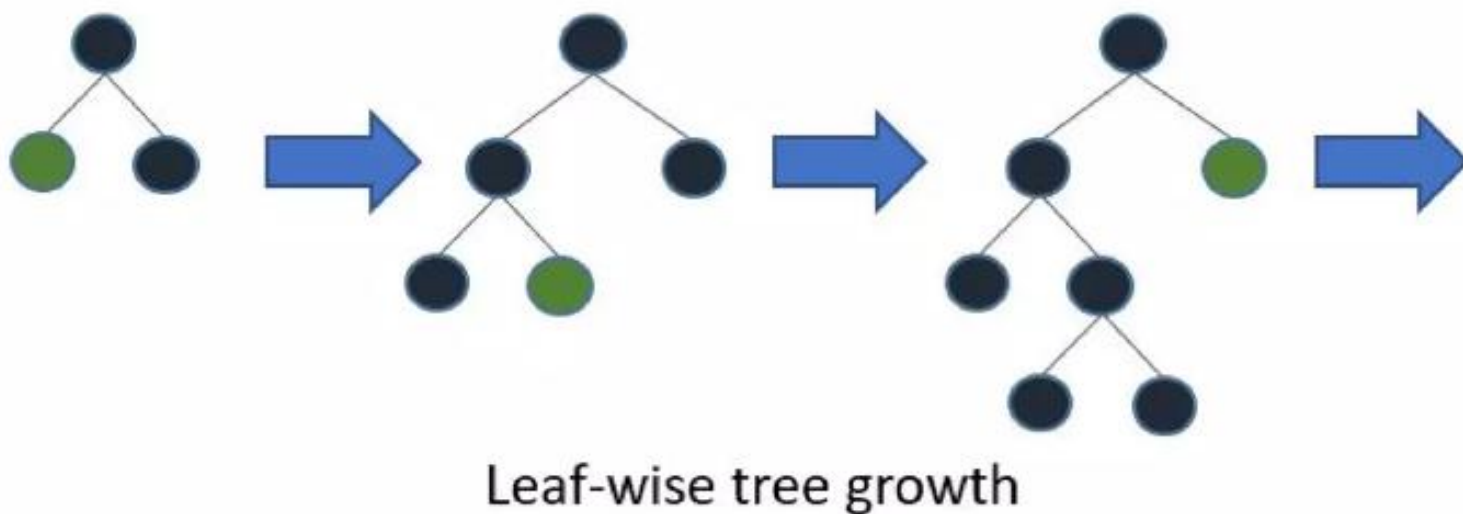
# LightGBM

LightGBM is a gradient boosting framework that uses tree-based learning algorithms.

XGBoost:



LightGBM:



## Speed and Efficiency

Speed:  
Light GBM is prefixed as 'light'  
because of its high speed.

Can handle large size of data and takes  
lower memory to run

Poor in smaller data set

Hight Accurary

LightGBM focuses on hight accuracy  
of results.

Optimizing the objective function through  
gradient-based optimization leading to  
better model

And reduce overfitting.