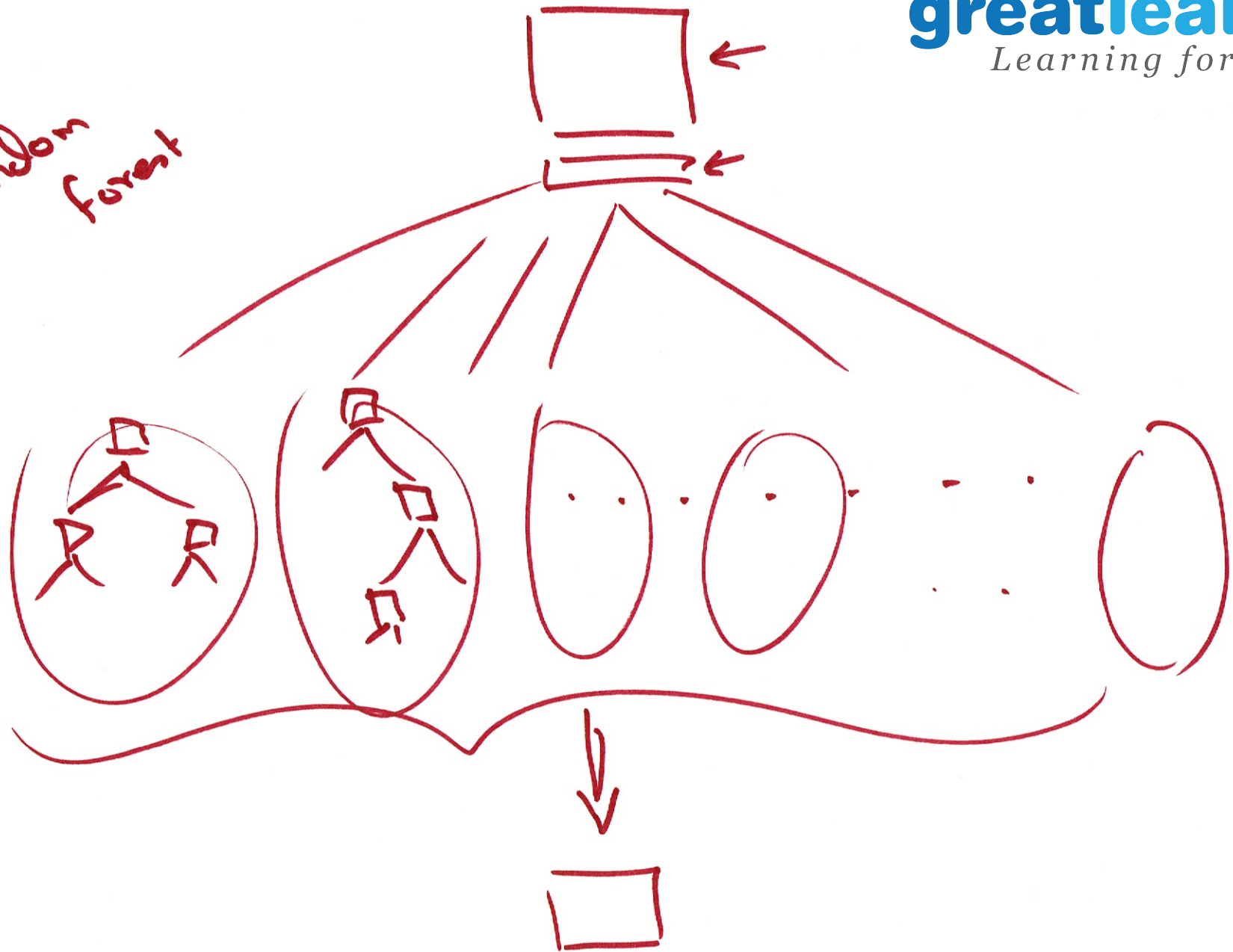
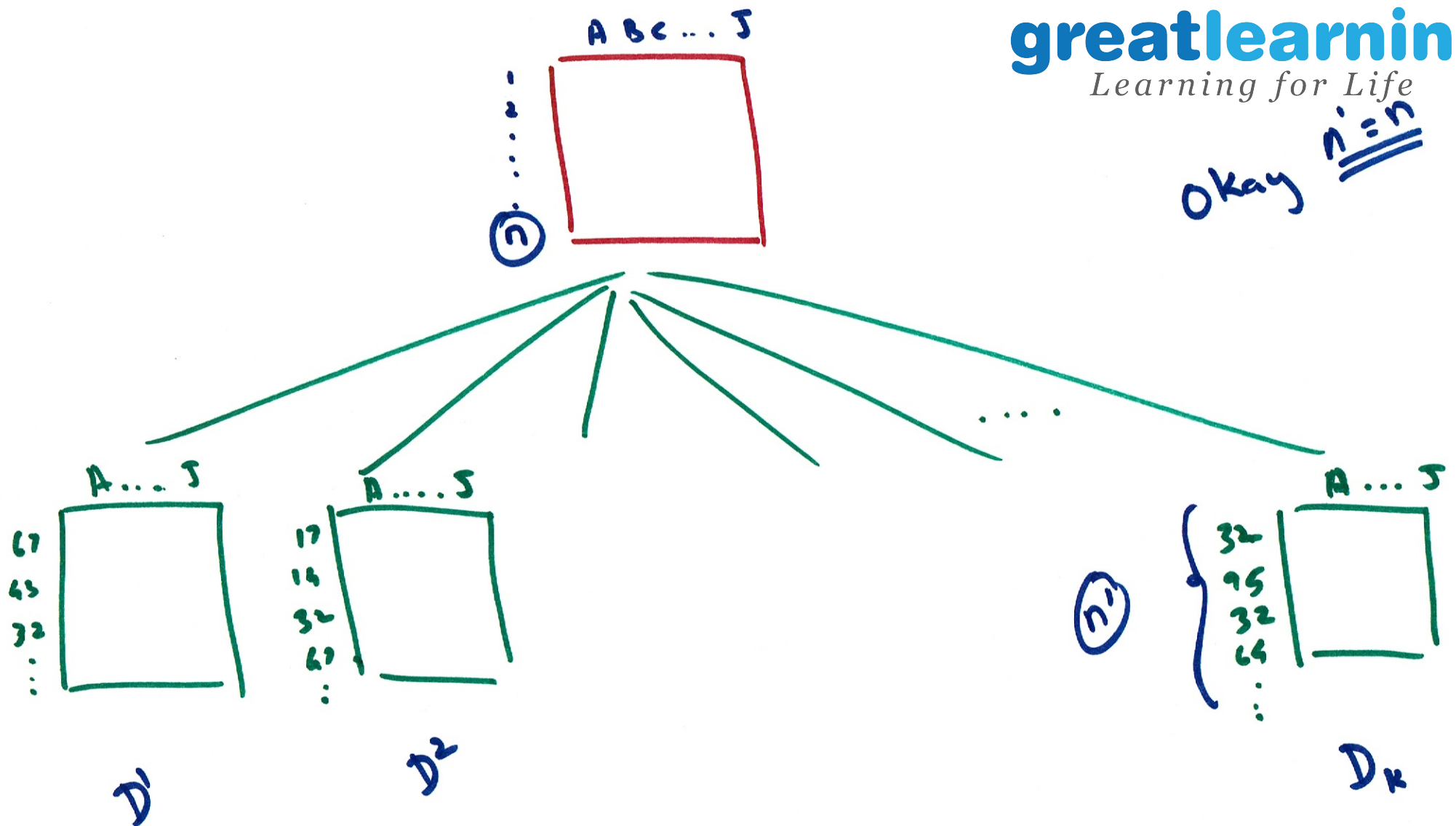
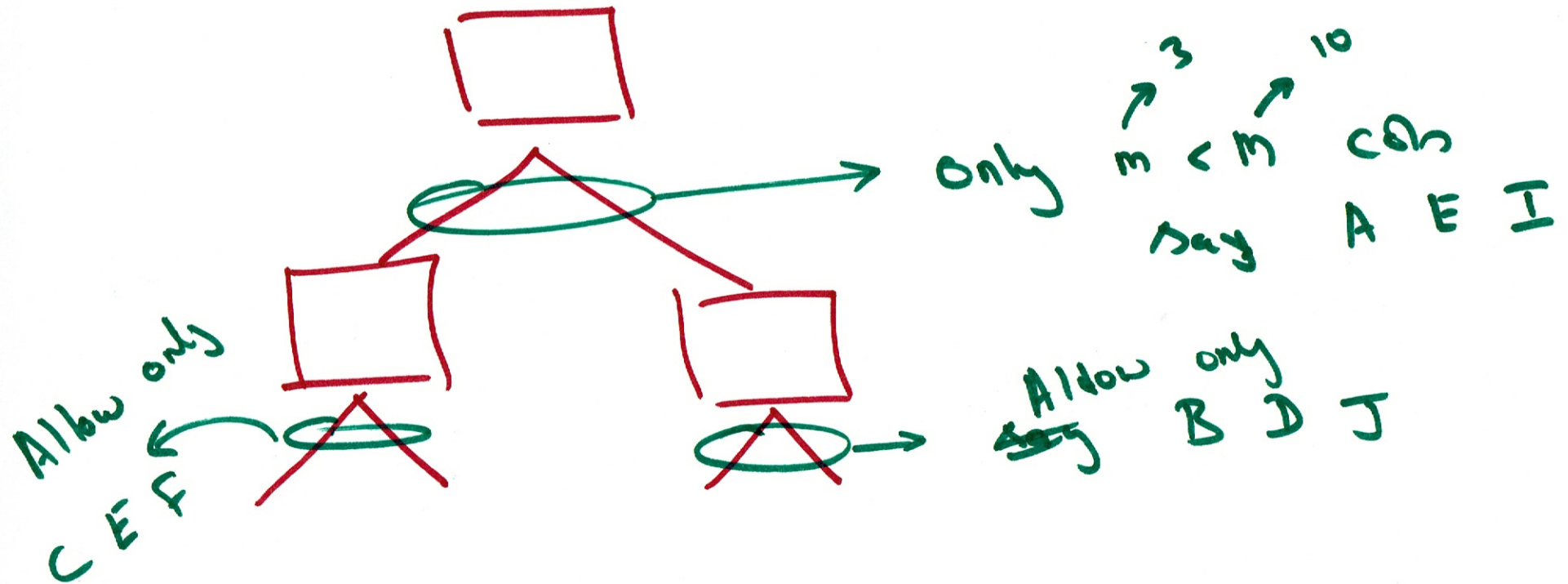
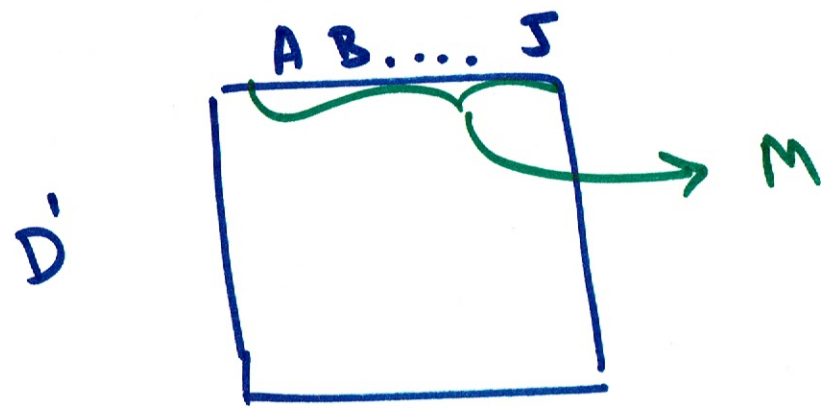


Random
forest




Okay $n=n$







Random forests

- 
- Random Sampling with replacement
 - For each subset build a decision tree. However, only use m randomly pick independent variables for each node's branching possibilities.

$m < M$

- Do not prune

- While predicting:

- 
- Use each tree to make individual predictions
 - Combine predictions using voting:
 - Means for regression
 - Modes for classification
- 

Say

$$M = 10 \Rightarrow$$

A B C D E F G H I J

