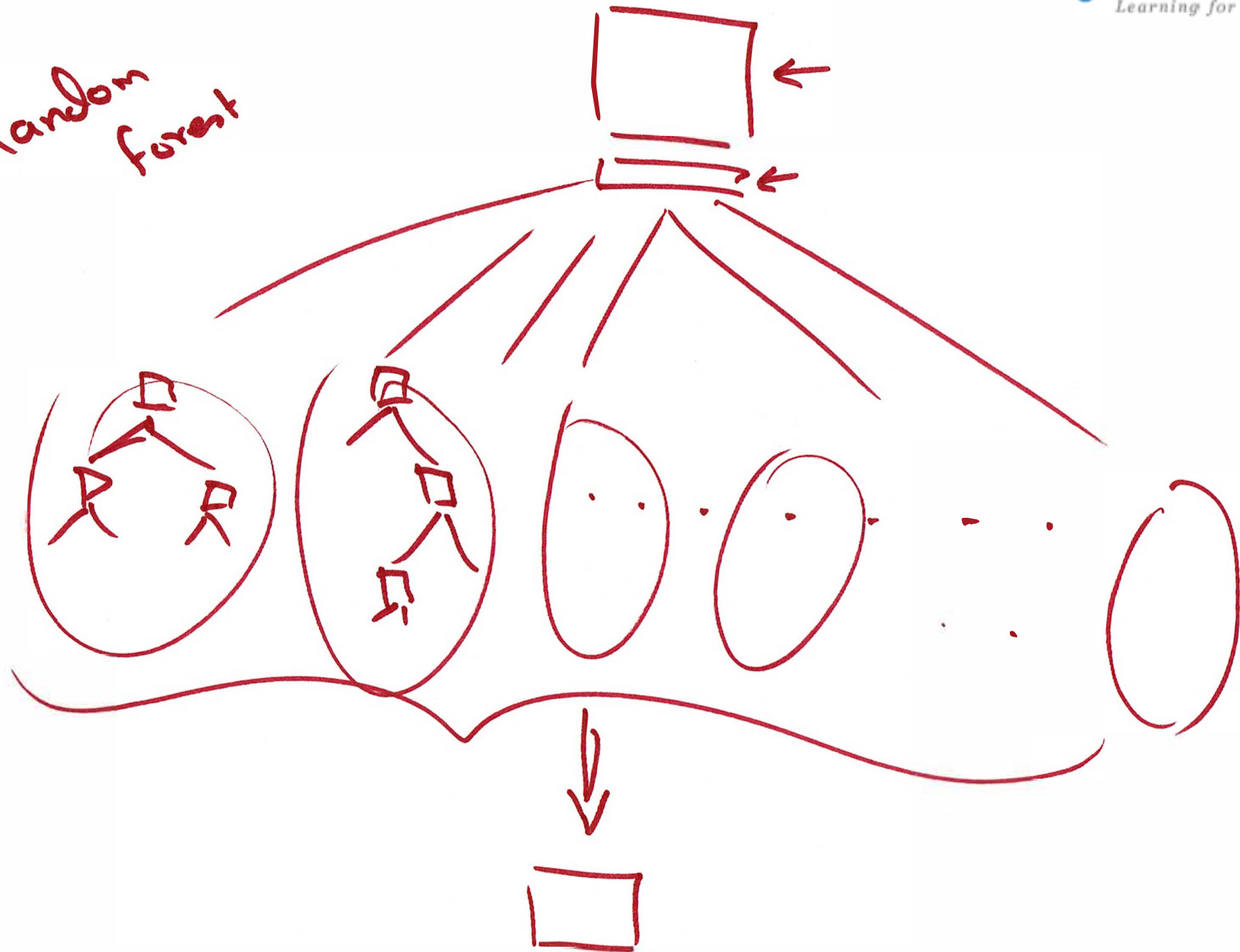
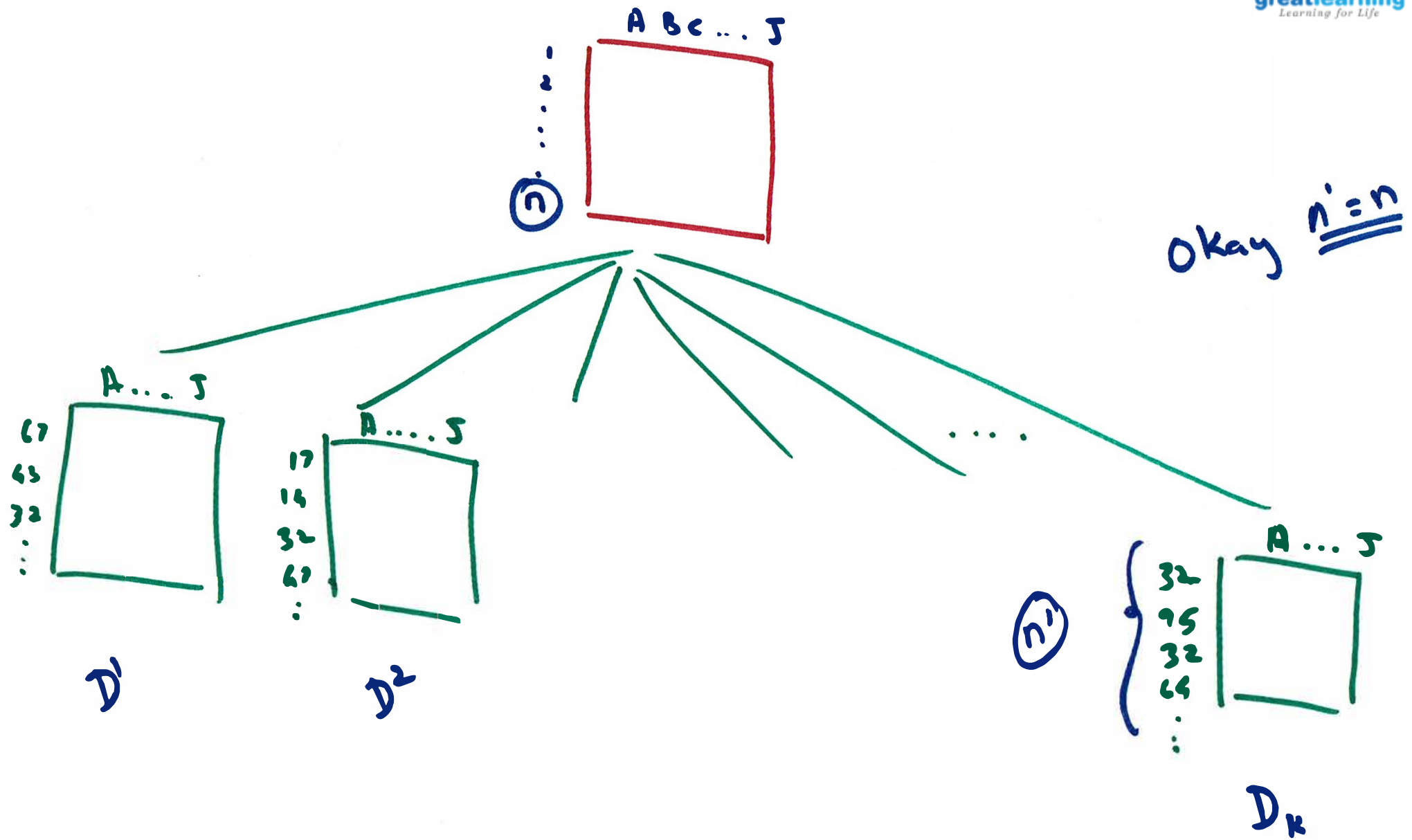
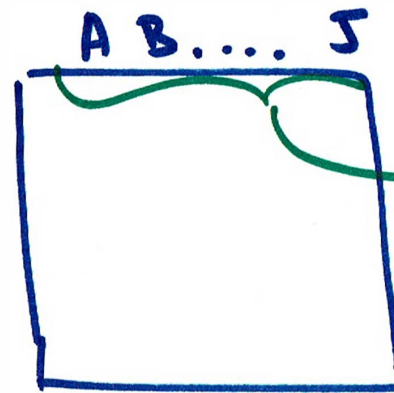


Random
forest

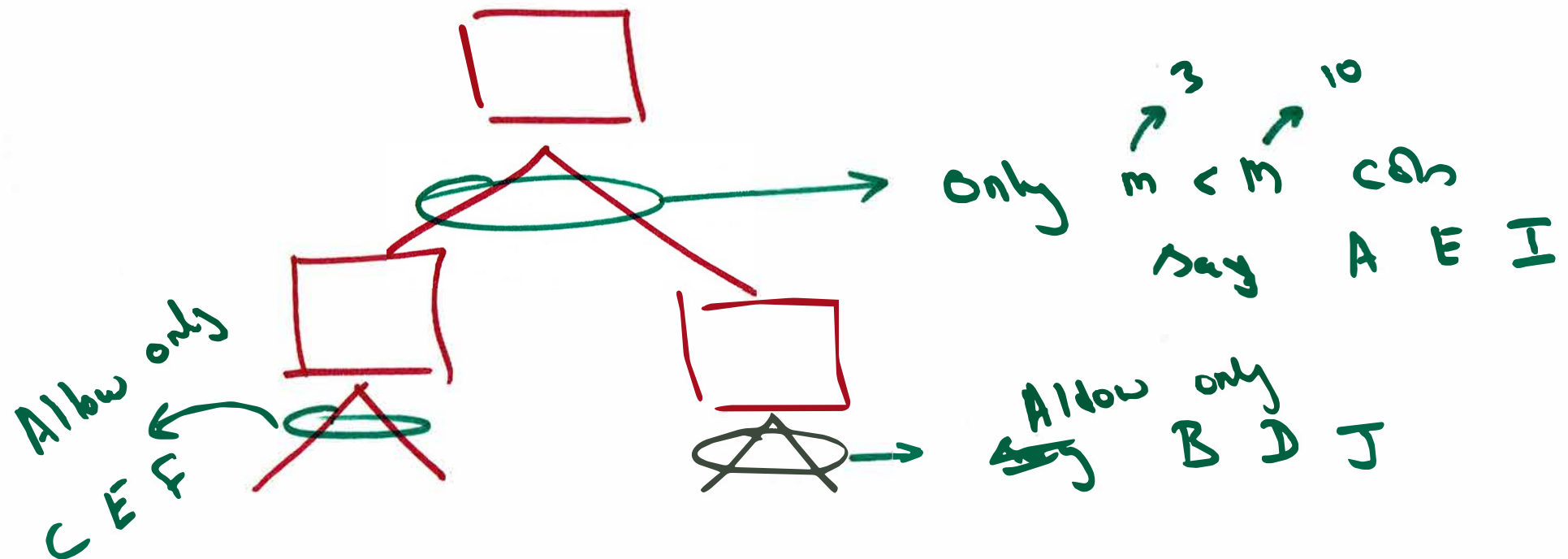





D'



M no. of indep. var





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 $M = 10 \Rightarrow A \text{ (B, C, D, D, D, D, E)}$

