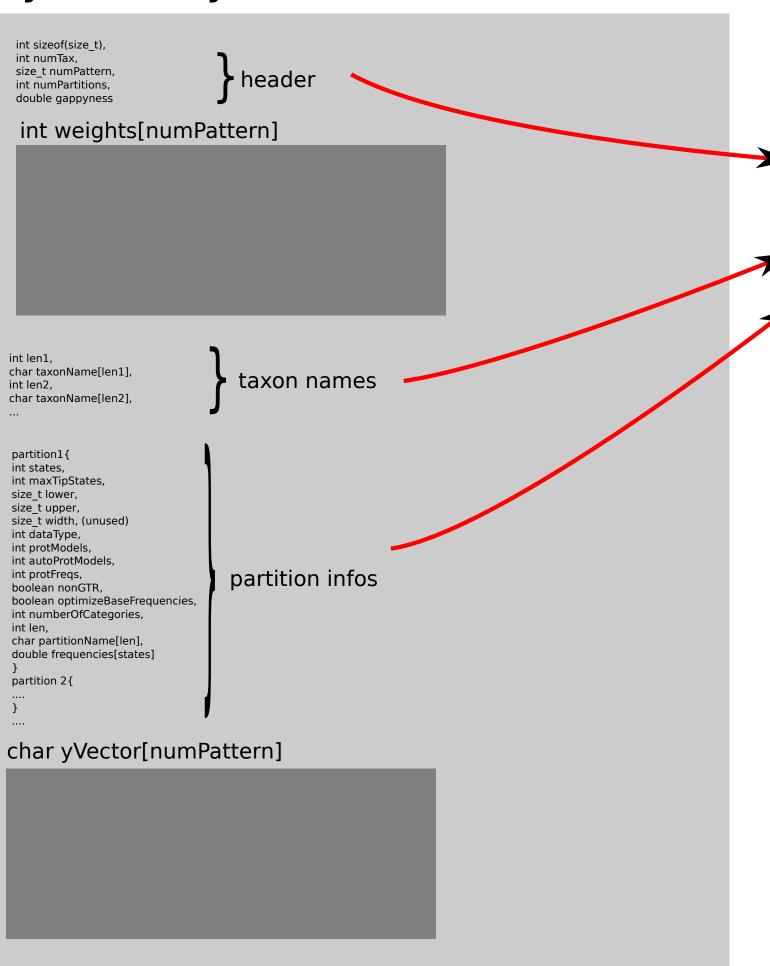
```
int sizeof(size_t), int numTax,
                                  header
 size_t numPattern,
 int numPartitions,
double gappyness
  int weights[numPattern]
int len1,
char taxonName[len1],
                                    taxon names
int len2,
char taxonName[len2],
 partition1{
 int states,
 int maxTipStates,
 size_t lower,
 size_t upper,
 size_t width, (unused)
 int dataType,
 int protModels,
 int autoProtModels,
                                   partition infos
 int protFreqs,
 boolean nonGTR,
 boolean optimizeBaseFrequencies,
 int numberOfCategories,
char partitionName[len],
 double frequencies[states]
 partition 2{
char yVector[numPattern]
```

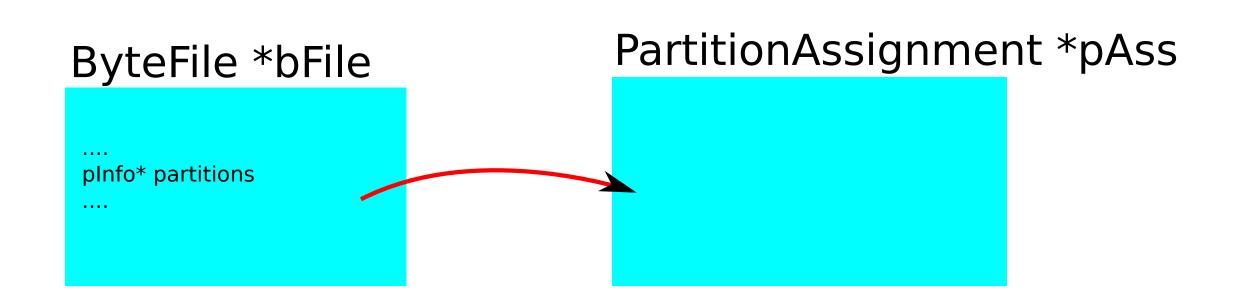


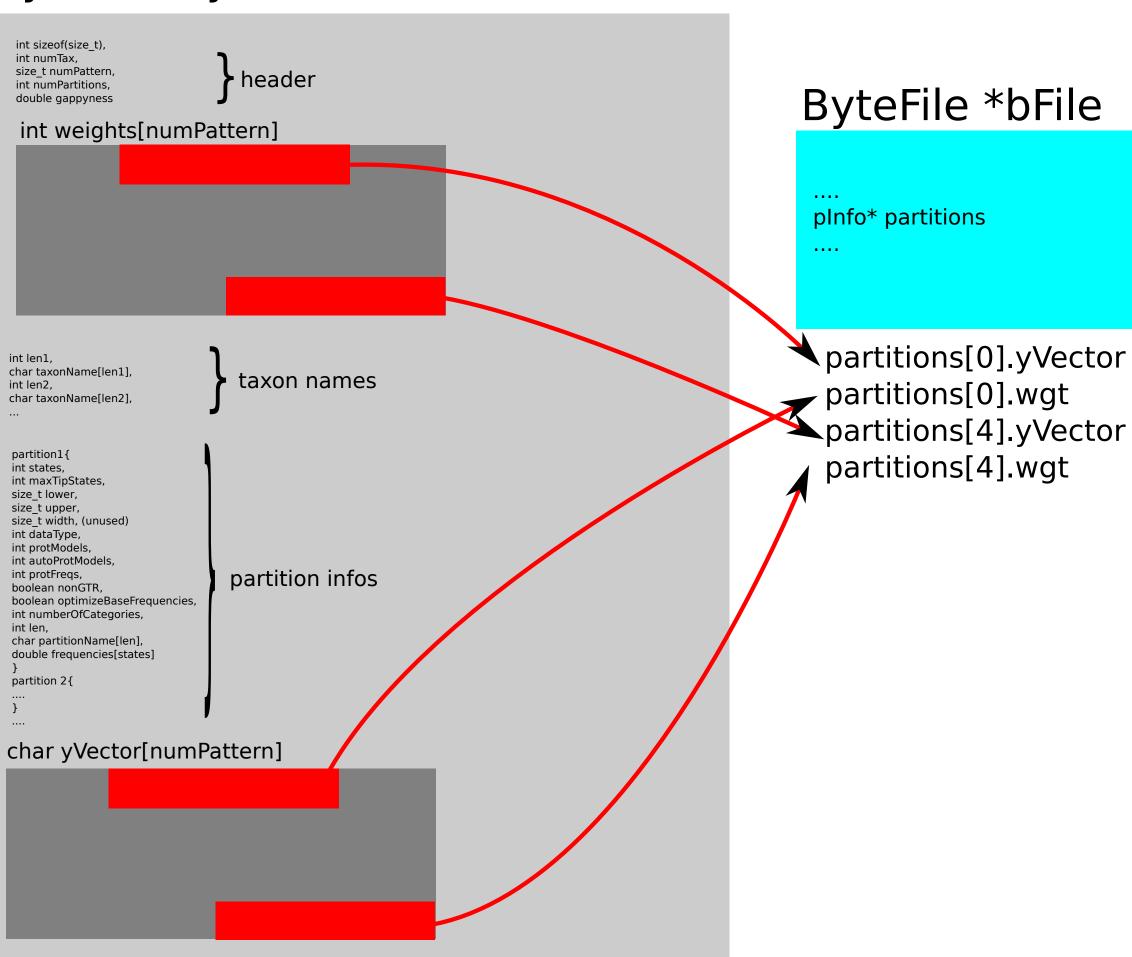
1. read header, taxa, partitions into ByteFile struct (use seekPos() to navigate in bytefile)

ByteFile \*bFile
....
plnfo\* partitions
....

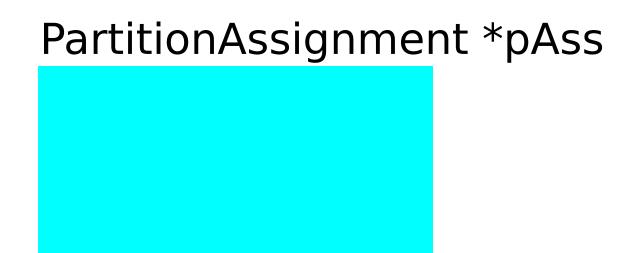
```
int sizeof(size_t),
 size_t numPattern,
                              header
 int weights[numPattern]
char taxonName[len1],
                                taxon names
partition1{
int maxTipStates,
size_t width, (unused)
int dataType,
                              partition infos
 boolean optimizeBaseFrequencies,
int numberOfCategories,
double frequencies[states]
char yVector[numPattern]
```

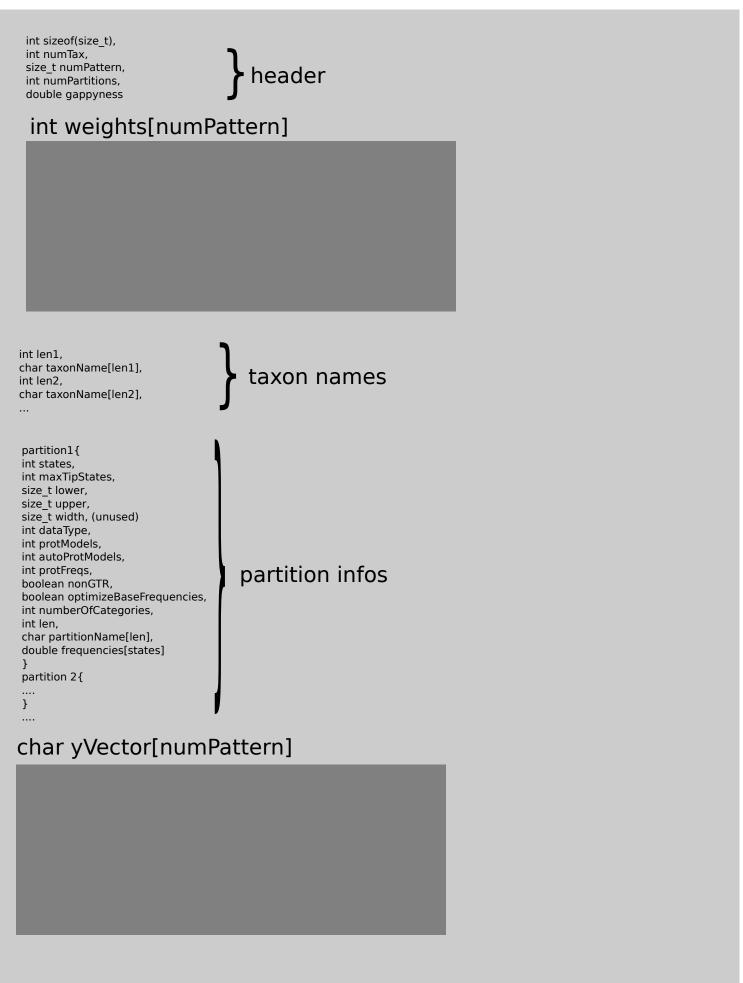
2. every process computes partition assignment





3. process only reads data assigned to it (exa\_fread/exa\_fseek)





4. tree struct is initialized; bFile and pAss are deleted

