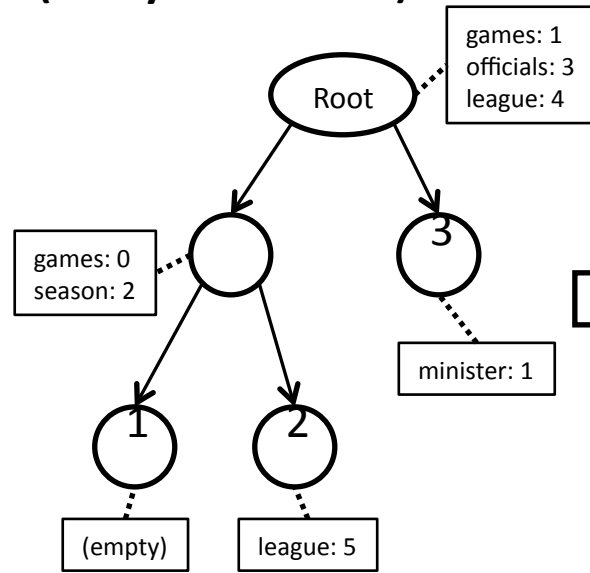
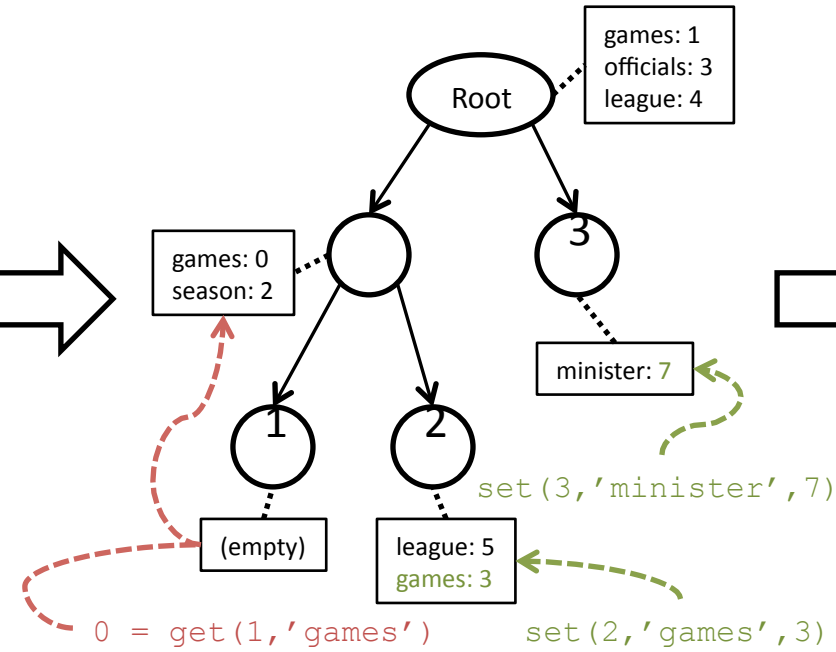


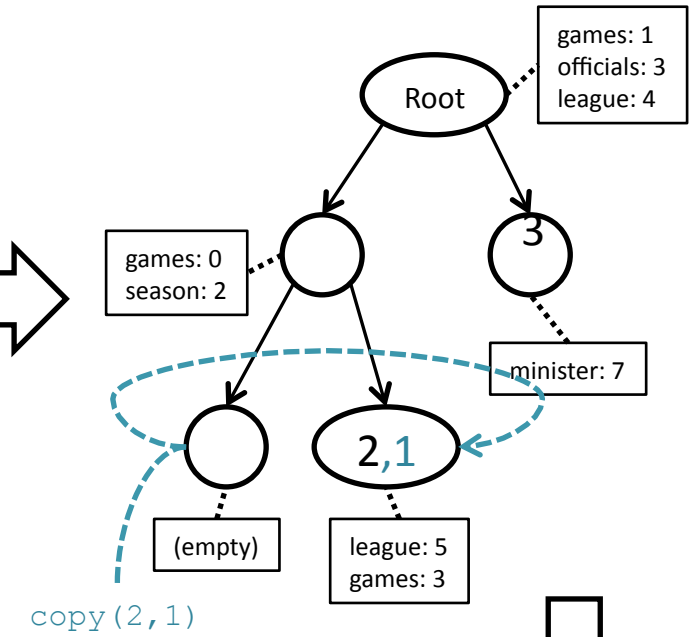
### Initial tree (ready for threads)



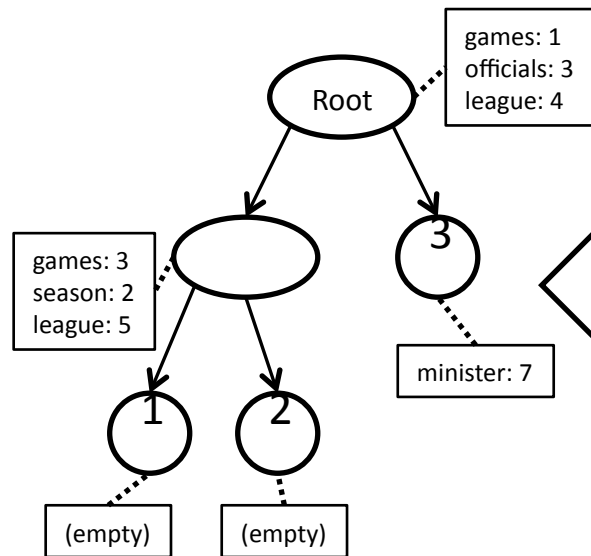
### Filter threads *update* particles



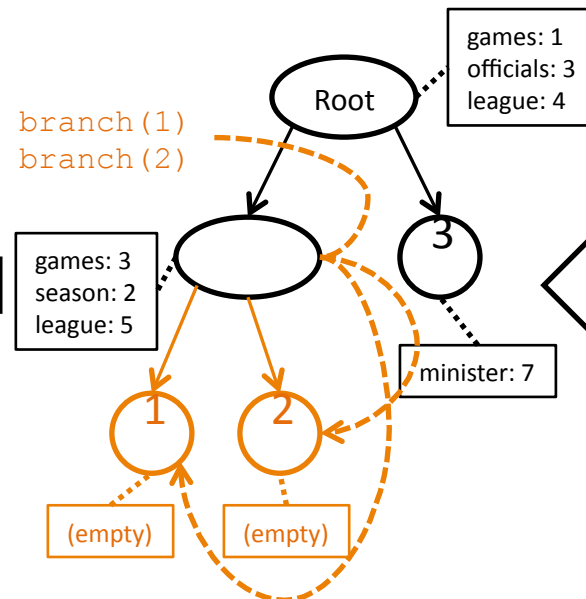
### Resampling *copies* particles



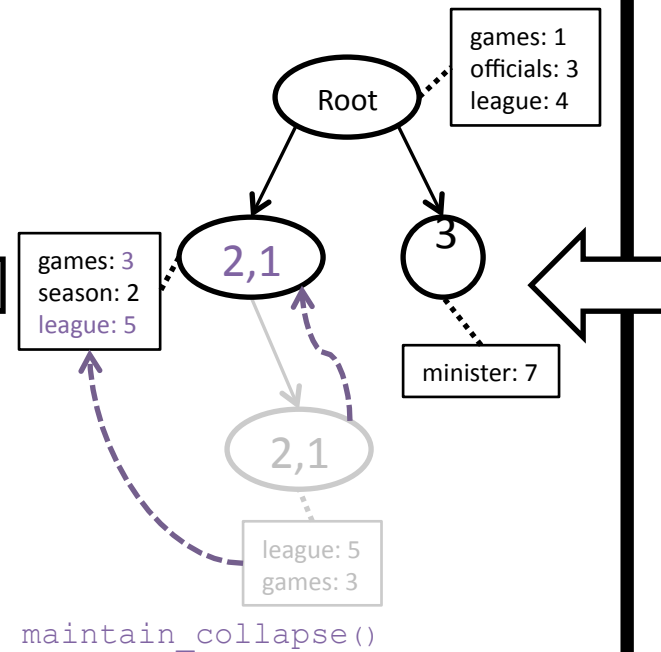
### New initial tree (ready for threads)



### Create *new leaves*



### *Collapse* long branches



### *Prune* unused branches

