



m = 3, N = 121 (number of nodes in a complete 3-ary free)

You need to define three operations on it

- 1. lock(X, uid)
- 2. unlock(X, uid)
- 3. upgradeLock(x, uid)

where X the name of a node in the tree (that would be unique) and uid is the user who is performing the operation

Here are the definitions for the Operations: