Reworking Tree:

* Rework as Forest
* Control identity of nodes – forbid to mix nodes from different forests
* Implement iteration
* Implement access to content
* Check, how references may be get from client code
* Now Tree looks like just library to manipulate nodes. Almost all editing functions may be transferred to Node as static methods. It needs to whether do it, or rework Tree (Forest) to make these methods as true instance’s members

Common plan:

1. Finish Tree
2. Cover Tree and Nodes by tests
3. Develop light (or stub) electrical-net-specific content
4. Implement simple drawing graphs
5. Implement real electrical net content for the simplest set of electric parameters
6. Implement storing to file and reading from file
7. Implement the simplest solver
8. Add current sources and different types of loads and converters, modify the file schema
9. Implement setting, checking and displaying limitations
10. Implement element’s library
11. Try to implement connection with Confluence (displaying and storage in pages, loading consumption requirements from Yogi or embedded macros)

Following features and modifications:

* Measurement units as data types
* Modes of device’s work
* Selection of max of consumptions of different modes
* Heating calculations and limitations checking