```
-data
     BinaryTreeNode< T >
    - level
    - child_num
   + BinaryTreeNode()+ BinaryTreeNode()
    + BinaryTreeNode()
    + Left()
   + Right()
   + get_child_pointer()
+ get_child_num()
+ set_child_num()
    + increase_child_num()
    + decrease_child_num()
    + Parent()
    + Left()
    + Right()
    + set_child_pointer()
    + Parent()
    + get_data_pointer()
   + get_data_pointer()
   + get_data_reference()
+ get_data_reference()
+ get_level()
    + set_level()
                                           -left
    + is_leaf()
                                         parent
    + is_root()
                                          -right
    + operator==()
   * BinaryTreeNode()
* BinaryTreeNode()
    * BinaryTreeNode()
    * Left()
    * Right()
     get_child_pointer()
get_child_num()
set_child_num()
    * increase_child_
                        _num()
    * decrease_child_num()
    * Parent()
    * Left()
     Right()
    * set_child_pointer()
    * Parent()
    * get_data_pointer()
    * get_data_pointer()
     get_data_reference()
     get_data_reference()
get_level()
    * set_level()
    * is_leaf()
    * is_root()
     operator==()
            parent < Cluster< spacedim,
                          Number > >
            -right
   BinaryTreeNode< Cluster
   < spacedim, Number > >
   - data
  - level
  - child_num
  + BinaryTreeNode()
  + BinaryTreeNode()
  + BinaryTreeNode()
  + Left()
  + Left()
   + Right()
  + Right()
  + get_child_pointer()
  + get_child_num()
  + set_child_num()
  + increase_child_num()
  + decrease_child_num()
  + Parent()
  + Parent()
  + set_child_pointer()
  + get_data_pointer()
  + get_data_pointer()
  + get_data_reference()
+ get_data_reference()
  + get_level()
  + set level()
  + is_leaf()
  + is_root()
  + operator==()
  * BinaryTreeNode()
  * BinaryTreeNode()
  * BinaryTreeNode()
  * Left()
  * Left()
  * Right()
  * Right()
  * get_child_pointer()
  * get_child_num()
  * set_child_num()
  * increase_child_num()
* decrease_child_num()
  * Parent()
  * Parent()
  * set_child_pointer()
  * get_data_pointer()
  * get_data_pointer()
  * get_data_reference()
* get_data_reference()
* get_level()
  * set_level()
  * is_leaf()
    is_root()
    operator==()
                   -root node
ClusterTree< spacedim,
            Number >
+ child_num
- leaf_set
- depth

    max_level

- n_min

    node num

+ ClusterTree()
+ ClusterTree()
+ ClusterTree()
+ ClusterTree()
+ ClusterTree()
+ ~ClusterTree()
+ partition()
+ partition()
+ partition()
+ get_root()
+ get_leaf_set()
+ get_leaf_set()
+ build_leaf_set()
+ get_n_min()
+ get_depth()
```

+ get_max_level() + get_node_num()

partition_from_cluster_node()partition_from_cluster_node()partition_from_cluster_node()

Т