```
    level

    left

                   right

    parent

    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()
                   + is_leaf()
                   + is_root()
                   + 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==()
                     < Cluster< spacedim, < Cluster< spacedim,
                          Number > >
                                                   double > >
BinaryTreeNode< Cluster
                                    BinaryTreeNode< Cluster
< spacedim, Number > >
                                     < spacedim, double > >
                                    - data
                                    - level
                                    - left

    right

    parent

                                    - child_num
+ BinaryTreeNode()
                                    + BinaryTreeNode()
+ BinaryTreeNode()
                                    + BinaryTreeNode()
+ BinaryTreeNode()
                                    + BinaryTreeNode()
                                    + Left()
                                    + Left()
                                    + Right()
                                    + Right()
+ get_child_pointer()
                                    + get_child_pointer()
+ get_child_num()
                                    + get child num()
+ set_child_num()
                                    + set_child_num()
                                    + increase_child_num()
+ increase_child_num()
+ decrease_child_num()
                                    + decrease_child_num()
                                    + Parent()
                                    + Parent()
+ set_child_pointer()
                                    + set_child_pointer()
+ get_data_pointer()
                                    + get_data_pointer()
+ get_data_pointer()
                                    + get_data_pointer()
+ get data reference()
                                    + get_data_reference()
+ get_data_reference()
                                    + get_data_reference()
                                    + get_level()
                                    + set_level()
                                    + is_leaf()
                                    + is_root()
                                    + operator==()
+ operator==()
* BinaryTreeNode()
                                    * BinaryTreeNode()
 BinaryTreeNode()
                                     BinaryTreeNode()
* BinaryTreeNode()
                                    * BinaryTreeNode()
                                    * Left()
                                    * Left()
                                    * Right()
                                    * Right()
 get_child_pointer()
                                     get_child_pointer()
 get_child_num()
                                     get_child_num()
 set_child_num()
                                     set_child_num()
                                    * increase_child_num()
* increase_child_num()
* decrease_child_num()
                                    * decrease_child_num()
                                     Parent()
                                     Parent()
* set_child_pointer()
                                    * set_child_pointer()
                                     get_data_pointer()
 get_data_pointer()
 get_data_pointer()
                                     get_data_pointer()
* get_data_reference()
                                    * get_data_reference()
 get_data_reference()
                                     get_data_reference()
                                     get_level()
set_level()
```

is_leaf()

* is_root()

operator==()

data

- level

right

- parent

+ Left() + Left()

+ Right()

+ Right()

+ Parent()

+ Parent()

+ get_level()

+ set_level()

+ is_leaf() + is_root()

* Left()

* Left()

* Right()

* Right()

* Parent()

* Parent()

get_level()

set_level() * is_leaf()

operator==()

* is_root()

- child_num

- left

BinaryTreeNode< T >

data