```
-data
       TreeNode< T, N >
    - level
   - children
   - child num

    split_mode

   + TreeNode()
   + TreeNode()
   + TreeNode()
   + TreeNode()
   + get_child_pointer()
+ set_child_pointer()
   + get_child_num()
   + set_child_num()
   + increase_child_num()
   + decrease_child_num()
   + Parent()
   + Parent()
   + get_data_pointer()
   + get_data_pointer()
   + get_data_reference()
   + get_data_reference()
+ get_level()
+ set_level()
   + is leaf()
   + is_root()
                                       -parent
   + get_split_mode()
   + set_split_mode()
   + operator==()
   * TreeNode()
   * TreeNode()
   * TreeNode()
   * TreeNode()
   * get_child_pointer()
* set_child_pointer()
   * get_child_num()
   * set_child_num()
   * increase_child_num()
     decrease_child_num()
   * Parent()
   * Parent()
   * get_data_pointer()
   * get_data_pointer()
   * get_data_reference()
   * get_data_reference()
   * get_level()
* set_level()
   * is_leaf()
   * is_root()
   * get_split_mode()
     set_split_mode()
     operator==()
                    < BlockCluster< spacedim,
           -parent Number >, BlockClusterTree
                    < spacedim, Number >::child_num >
TreeNode< BlockCluster
< spacedim, Number >,
BlockClusterTree< spacedim,
    Number >::child_num >
- data

    level

- children
child_num

    split_mode

+ TreeNode()
  TreeNode()
+ TreeNode()
+ TreeNode()
+ get child pointer()
+ set_child_pointer()
+ get_child_num()
+ set child num()
+ increase_child_num()
+ decrease_child_num()
+ Parent()
+ Parent()
+ get_data_pointer()
+ get_data_pointer()
+ get_data_reference()
+ get_data_reference()
                                            Number
+ get_level()
+ set_level()
+ is_leaf()
+ is_root()
+ get_split_mode()
+ set_split_mode()
+ operator==()
* TreeNode()
* TreeNode()
* TreeNode()
* TreeNode()
* get_child_pointer()
* set_child_pointer()
* get_child_num()
* set_child_num()
* increase_child_num()
* decrease_child_num()
* Parent()
* Parent()
* get_data_pointer()
 get_data_pointer()
* get_data_reference()
* get_data_reference()
* get_level()
* set_level()
* is_leaf()
* is_root()
* get_split_mode()
* set_split_mode()
* operator==()
                         -root_node
                                           -eta
             BlockClusterTree< spacedim,
                           Number >
             + child_num
             leaf_set
             near_field_set
             far_field_set
             - n min

    depth

    max_level

             - node num

    is subtree

             + DeclException2()
             * BlockClusterTree()
             * operator=()
               operator=()
             * ~BlockClusterTree()
             * release()
             * clear()
              partition_tensor_product()
               partition_coarse_non
               tenso
                       product(
             * partition_fine_non
              _tensor__product()
               partition()
             * partition()
             * extend_finer_than_partition()
* extend_to_finer_partition()
               prune_descendants_from_node()
             * prune_to_partition()
             * get_root()
             * get_leaf_set()
               get_leaf_set()
             * build_leaf_set()
* write_leaf_set()
             * write leaf set()
             * get_near_field_set()
             * get_near_field_set()
             * get_far_field_set()
* get_far_field_set()
* get_n_min()
* get_eta()
* get_eta()
             * get_depth()
             * calc_depth_and_max
              level()
             * get_max_level()
* get_node_num()
* set_node_num()
             * increase_node_num()
             * decrease_node_num()
             * categorize_near_and
              _far_field_sets()
partition_tensor_product
              from_block_cluster_node()
              partition_coarse_non
             _tensor_product_from
              _block_cluster_node()
               partition fine
                               non
              tensor_product_from
              _block_cluster_node()
              partition_fine_non
             _tensor_product_from
              _block_cluster_node_N()
               partition_fine_non
              tensor_product_from
              _block_cluster_node_Nstar()
              partition_from_block
              _cluster_node()
               partition_from_block
               _cluster_node()
             * find_leaf_bc_node_
              subset_of_bc_nodes_in
              partition()
```

find_leaf_bc_node_not

in_partition()

Т