

08-A3

二叉搜索树

概述：接口

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对外接口

❖ `template <typename T> class BST : public BinTree<T> { //由BinTree派生`

`public: //以virtual修饰, 以便派生类重写`

`virtual BinNodePosi(T) & search(const T &); //查找`

`virtual BinNodePosi(T) insert(const T &); //插入`

`virtual bool remove(const T &); //删除`

`protected:`

`/* */`

`};`

内部接口

```
❖ template <typename T> class BST : public BinTree<T> { //由BinTree派生

    public:

        /* ..... */

    protected:

        BinNodePosi(T) _hot; //命中节点的父亲

        BinNodePosi(T) connect34( //3+4重构

            BinNodePosi(T), BinNodePosi(T), BinNodePosi(T),

            BinNodePosi(T), BinNodePosi(T), BinNodePosi(T), BinNodePosi(T));

        BinNodePosi(T) rotateAt( BinNodePosi(T) ); //旋转调整

};
```