```
RegularExpression
                    +setTreeRoot(p tR:*RETreeNode)
                    +getTreeRoot(): *RETreeNode
                    +toFSA(): *FiniteStateAutomaton
                    +toRG(): *RegularGrammar
                    +toString(): string
                    + isOperator(s:string)
                                         p treeRoot
                               RETreeNode
              -content: string
p left
                                                                     p right
              +isOperator(): bool
              +getLeft(): *RETreeNode
              +getRight(): *RETreeNode
              +setLeft(p | 1 : *RETreeNode)
              +setRight(p r : *RETreeNode)
              +getContent(): string
              +setContent(c : string)
              +isEmpty(): bool
              +simplify()
              +clone(): *RETreeNoide
              +toFSA(labelNum: *int): *FiniteStateAutomaton
              +toString():string
```