

```

else {
    FIRST_Group(character.toString) = value.toString
}
}
// case 2.2
if( judgeOnlyOneVoidSuccession(character.toString) == true ) {
    if ( FIRST_Group.contains(character.toString) == true ) {
        val tmp = "ε" + FIRST_Group(character.toString)
        FIRST_Group(character.toString) = tmp.distinct
    }
    else {
        FIRST_Group(character.toString) = "ε"
    }
}
}
for( character <- wholeCharacters ) {
    // case 3.1
    if( judgeCaseXY(character) == true ) {
        val tmpReply = findCase_Y_In_XY(character)
        for( eachTmpReply <- tmpReply ) {
            if( FIRST_Group.contains(eachTmpReply.toString) == true ) {
                for (ex <- FIRST_Group(eachTmpReply.toString)) {
                    if (ex != 'ε') {
                        if (FIRST_Group.contains(character.toString) == true) {
                            val tmp = ex.toString + FIRST_Group(character.toString)
                            FIRST_Group(character.toString) = tmp.distinct
                        }
                        else {
                            FIRST_Group(character.toString) = ex.toString
                        }
                    }
                }
            }
        }
    }
    // case 3.2
    if( findCase_Y_In_nY(character).length > 0 ) {
        var flag = true
        val tmpReply = findCase_Y_In_nY(character)

        for( ex <- tmpReply ) {
            if( localVN.contains(ex.toString) && FIRST_Group.contains(ex.toString) == true )
            {
                if( FIRST_Group(ex.toString).contains("ε") == false ) {
                    flag = false
                }
            }
        }
        else flag = false
    }
}

```