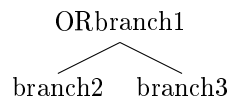Or(p, g)"Or branches" are denoted by 3-tuples: **[head branch1**
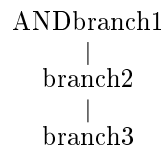
```
  /\
 p  g
```

branch2].

"And" branches are coded with 2tuples, **[head branch1]**.

Heads are denoted with leading dots.

```
      ORbranch1
        /\
branch2    branch3
```

Replace branch3 with [.branch3 branch3.1 branch3.2]:

```
        ORbranch1
          /\
branch2       branch3
               /\
       branch3.1    branch3.2
```

```
ANDbranch1
     |
  branch2
```

```
ANDbranch1
     |
  branch2
     |
  branch3
```
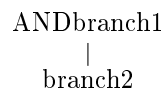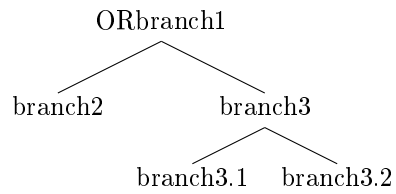
compound proposition AND: ((a OR b) AND q)   ((a OR b) AND q)

```
                              |                    |
                              q                    q
                          (a OR b)              (a OR b)
                                                   /\
                                                  a  b
```
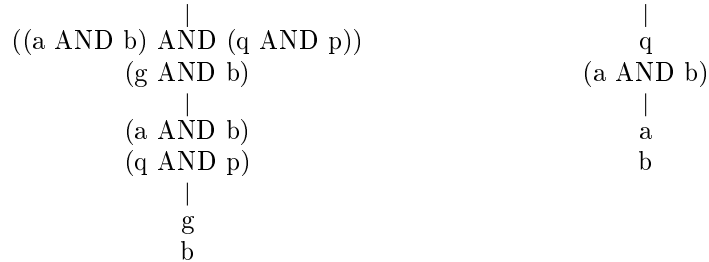
[.Root [.Disjunct1 Disjunct1.1 Disjunct1.2] Disjunct2]
[.Disjunct1 Disjunct1.1 Disjunct1.2] [.Disjunct2
[.[.Branch1 Branch2] Branch6 Branch7]
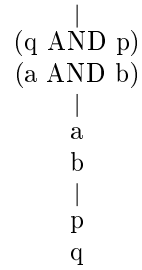
```
                                          ((a AND b) AND (q AND p))
                                                     |
                                                (q AND p)
                                                (a AND b)
                                                     |
                                                     a
                                                     b
                                                     |
                                                     p
                                                     q
(((a AND b) AND (q AND p)) AND (g AND b))     ((a AND b) AND q)
                     |                                |
        ((a AND b) AND (q AND p))                     q
              (g AND b)                           (a AND b)
                  |                                   |
              (a AND b)                               a
              (q AND p)                               b
                  |
                  g
                  b
```

compound proposition OR:

```
                    ((a AND b) OR q)
                          /\
                 (a AND b)    q
                     |
                     a
                     b
```