

This query finds structures on the left of the arrow below, as preparation for making the following transformation:

```
(NBAR (NPR foo)) (NBAR (NPR bar)) --> (NBAR (NPR foo) (NPR bar))  OR
(NBAR (N Saint)) (NBAR (NPR bar)) --> (NBAR (N Saint) (NPR bar))
```

This arises in cases like “Jesus Christ” or “Judas Iscariot,” as well as “Saint John.” (The NBAR nodes were earlier bogusly added by a transformation that projects an NBAR from each N)

```
tt.findNodes(
    hasLabel("NBAR") & hasDaughter(hasLabel("NPR") |
                                    (hasLabel("N") & hasLemma("santo")))
    )
    & hasImmRightSister(hasLabel("NBAR") &
                        hasDaughter(hasLabel("NPR")))
    )
```

Line by line:

```
tt.findNodes(
```

We are searching for nodes in the tree...

```
hasLabel("NBAR") & hasDaughter(hasLabel("NPR") |
```

which have the POS label NBAR and have a daughter. The daughter has POS label NPR or...

```
(hasLabel("N") & hasLemma("santo"))
```

the daughter has POS label N and lemma “santo”

```
& hasImmRightSister(hasLabel("NBAR") &
```

...and the NBAR has an immediate right sister which has the POS label NBAR and ...

```
hasDaughter(hasLabel("NPR"))
```

...has a daughter with the POS label NPR.