

4.64

Original rule:

```
(rule (outranked-by ?staff-person ?boss)
      (or (supervisor ?staff-person ?boss)
          (and (supervisor ?staff-person ?middle-mng)
                (outranked-by ?middle-mng ?boss))))
```

Louis':

```
(rule (outranked-by ?staff-person ?boss)
      (or (supervisor ?staff-person ?boss)
          (and (outranked-by ?middle-mng ?boss)
                (supervisor ?staff-person ?middle-mng))))
```

Louis' enters infinite loops on queries like
outranked-by NAME ?who). why?

ors are parallel, therefore the first ?boss does not unify with the second before exiting the infinite recursion. (From wizardbook.vlog)

Suppose ?boss does not supervise ?sp.
Then we call outranked-by ?mng ?boss.
Thus we bind ?sp/?mng and ?boss/?boss.
This will recurse over itself infinitely,
since we never get to the second query in the
and, and instead always re-recursing over the bound
frames.