

Meta Factorial

INVOCATION:

(APPLICABLE-OPS-GOAL \$GOAL \$X)

CONTEXT:

(EQUAL (LENGTH \$X) 2)

BODY:

```
((IF (? (PREFER-ITERATIVE))
    ;; Look for the one which has property recursive
    (IF (? (PROPERTY-P RECURSIVE (FIRST $X)))
        (! (INTENDED-OP (SECOND $X)))
        ELSE
        (! (INTENDED-OP (FIRST $X)))
    )
    ELSEIF (? (PREFER-RECURSIVE))
    ;; Look for the one which has property recursive
    (IF (? (PROPERTY-P RECURSIVE (FIRST $X)))
        (! (INTENDED-OP (FIRST $X)))
        ELSE
        (! (INTENDED-OP (SECOND $X)))
    )
    ELSE
    ;; We do not have any preference...
    ;; Choose randomly
    (! (INTENDED-OP (SELECT-RANDOMLY $X)))
  )
)
```

PROPERTIES:

((DECISION-PROCEDURE T))

DOCUMENTATION:

"This Meta OP chooses which Factorial OP to intend according to the presence or not of the recursive property on the applicable OPs.
Do not use this Meta OP in other applications."