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# Production Rules Example (10/03/2007)

# Example illustrating "dumb heuristic" for SO order
# We assume that the actor-undergoer pattern implies active voice
# (since there is no mention of focus)
(rule  (variables    ()
            (sentences    (A (actor) (undergoer))
            (if             (in-order(target-lex(fnode(A (actor)) target-lex(fnode(A
(undergoer)))))
            (then        (WALS "SO")))


# Example using an array of possible matches
# Example of using a variable for an array match
# X can be either the actor or undergoer
(rule  (variables    (X (actor undergoer))
            (sentences    (A (X ((np-number num-sg)))))
                             (B (X ((np-number num-pl)))))
            (if             (different(target-lex(fnode(A)) target-lex(fnode(B))))
            (then        (WALS "Marks Plural")))

# This rule fires "Marks Plural Suffix" if any target language lexical items associated
# with the actor or undergoer has a different suffix
(rule  (variables    (X (actor undergoer))
            (sentences    (A ((X ((np-number num-sg)))))
                             (B ((X ((np-number num-pl)))))
            (if             (different-suffix(target-lex(fnode(A (X))) target-
lex(fnode(B (X)))))
            (then        (WALS "Marks Plural Suffix")))

# This rule fires "Marks Plural Suffix" if any target language lexical items associated
# with the actor or undergoer has a different suffix ON ITS HEAD
(rule  (variables    (X (actor undergoer))
            (sentences    (A ((X ((np-number num-sg)))))
                             (B ((X ((np-number num-pl)))))
            (if             (different-suffix(target-lex-uhead(fnode(A (X))) target-
lex-uhead(fnode(B (X)))))
            (then        (WALS "Marks Plural Suffix")))
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