

%2003 JG5 Topic  
initial symbol: S

S -> NOMP VI  
S -> NOMP VP  
S -> PP S  
S -> ADV S  
S -> LOCP S  
S -> TOPP S  
%TOPP = Topic PP or Topic ADV  
S -> TOPP S\_GAP  
%TOPP = NOUN + TOP; Topic Noun = GAP

VP -> ACCP VT  
VP -> LOCP VP  
VP -> PP VP  
VP -> ADV VP

VI -> LOCP VI  
VI -> PP VI  
VI -> ADV VI  
VT -> LOCP VT  
VT -> PP VT  
VT -> ADV VT

S\_GAP -> VI  
%GAP = Subject  
S\_GAP -> VP  
%GAP = Subject  
S\_GAP -> NOMP\_GAP VI  
%GAP in S is GAP in NOMP  
S\_GAP -> NOMP\_GAP VP  
%GAP in S is GAP in NOMP  
S\_GAP -> NOMP VP\_GAP  
%GAP in S is GAP in VP

NOMP\_GAP -> N\_GAP NOM  
%GAP in NOMP is GAP in Noun  
VP\_GAP -> VT  
%GAP = Object  
N\_GAP -> IN  
%GAP = Possessor

NOMP -> N NOM  
ACCP -> N ACC  
LOCP -> N LOC  
PP -> N P  
TOPP -> N TOP  
TOPP -> PP TOP  
TOPP -> ADV TOP

VI -> hukureru  
VI -> bakuhatusuru  
VI -> iru  
VI -> aru  
VI -> tutomeru  
VI -> hataraku  
VI -> nobiru  
VT -> taberu  
VT -> oku  
VT -> ireru  
VT -> ataeru  
VT -> kiru  
VT -> tukuru

NOM -> ga

ACC -> wo  
LOC -> ni  
TOP -> wa  
P -> de  
P -> kara

ADV -> asita

N -> kodomo  
N -> otoko  
N -> okaasan  
N -> tomodati  
N -> ohagi  
N -> keeki  
N -> ga  
N -> naihu  
N -> sore

%Pronoun

N -> heya

%[location +]

N -> oosaka

%[location +]

N -> asita

IN -> kaminoke

%[inalienable +]

IN -> kuse

%[inalienable +]