Figure 1 - The sets of rules for recognizing noun phrases

The upper case words represent grammar non-terminal symbols with subscripts corresponding to case (C, C2), gender (G, G2) and number (N, N2) values. Both unification of values between different rule elements and the exact value (after the “=” sign) can be defined. The small caps names refer to POS tags (IR is used to allow for any POS), “|” denotes an alternative, and “?” optionality.

--- the first set of rules
N subst | ger
NC (foreign subst | foreign) +foreign?+foreign?
NC brev_{pun,nw} | brev_{pun,nw}
NC brev_{pun,nw} + “.”? | brev_{pun,nw} + “.”?
NC brev_{pun,nphr} | brev_{pun,nphr}
NC brev_{pun,nphr} + “.”? | brev_{pun,nphr} + “.”?
AJ’2 adv?+(adj_{C,G,N} | ppas_{C,G,N})
AC brev_{adjw,pun} | brev_{adjw,pun} + “.”?
CN “i”
--- the second set of rules
A AJ+adv?
A’3 AC + “.” + AJ_{C,G,N}
A’3 adja + “.” + AJ_{C,G,N}
AC AC + “.” + AC
N N_{C,G,N}+AJ_{C,G,N} | AJ_{C,G,N}+NC_{G,N}
NZ subst{lemma=to/co/obrąb/kierunek/ cel/czas/możliwość/podstawa/ciąg/cecha/…
AZ IR{lemma=aktualny/daleki/gdy/pewien/względ/ten/inny/sam/niektóry/wczesny/wczesno/wyznaczony/który…
--- the third set of rules
ADJP A
ADJP A_{C,G,N}?+A_{C,G,N}?+AC_{G,N}?+AC_{G,N}?+CN+AC_{G,N}
ADJP A_{C,G,N}?+A_{C,G,N}?+AC_{G,N}?+AC_{G,N}?+AC
--- the fourth set of rules
NB’2 NC+ADJP
NB’2 AC+N
NB N+AC
NB ADJP_{C,G,N}+NC
NB ADJP_{C,G,N}?+NC_{G,N}+ADJP_{C,G,N}?
--- the fifth set of rules
NG NB_{gen}?+NB_{gen}?+NB_{gen}?+NB_{gen}?+CN+NB_{gen}
NG NB
--- the sixth set of rules
X NG+NG_{gen}?+ADJP_{C,G,N}?
X NG+NC